Hampton Roads Regional Safety Study:

General Crash Data and Trends - 2010 Update

HAMPTON ROADS TPO
TRANSPORTATION PLANNING ORGANIZATION

March 2010

T10-01

Enclosure 3

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ISLE OF WIGHT COUNTY
Stan D. Clark

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Dennis W. Heuer, District Administrator – Hampton Roads District

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Letitia A. Thompson, Regional Administrator, Region 3

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HAMPTON ROADS REGIONAL SAFETY STUDY:

GENERAL CRASH DATA AND TRENDS – 2010 UPDATE

PREPARED BY:

HAMPTON ROADS TPO
TRANSPORTATION PLANNING ORGANIZATION

MARCH 2010

T10-01
Enclosure 3

REPORT DOCUMENTATION

TITLE:
Hampton Roads Regional Safety Study:
General Crash Data and Trends 2010 Update

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REPORT DATE
March 2010

GRANT/SPONSORINGAGENCY
FHWA/VDOT/LOCAL FUNDS

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ABSTRACT

In 2001 the Hampton Roads Metropolitan Planning Organization initiated the Hampton Roads Regional Safety Study, a comprehensive analysis of highway safety throughout the region. This report, prepared by Hampton Roads Transportation Planning Organization (HRTPO) staff, updates the General Crash Data and Trends portion of the Hampton Roads Regional Safety Study. Trends are analyzed for crashes, injuries and fatalities on a regional and jurisdictional level. Comparisons are also made with statewide and national data.

ACKNOWLEDGMENTS

This report was prepared in cooperation with the U.S. Department of Transportation (USDOT), the Federal Highway Administration (FHWA), and the Virginia Department of Transportation (VDOT). The contents of this report reflect the views of the Hampton Roads Transportation Planning Organization (TPO). The Hampton Roads TPO is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the FHWA, VDOT, or HRTPO. This report does not constitute a standard, specification, or regulation. FHWA or VDOT acceptance of this report as evidence of fulfillment of the objectives of this planning study does not constitute endorsement/approval of the need for any recommended improvements nor does it constitute the approval of their location and design or a commitment to fund any such improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.

In Hampton Roads there were……

27,599 traffic crashes reported in 2008. This amounts to 75 crashes every day of the year, or one crash every 19 minutes.

14,465 injuries resulting from traffic crashes in 2008. This amounts to 40 injuries due to traffic crashes every day of the year, or one injury every 36 minutes.

153 fatalities resulting from traffic crashes in 2008. That is an average of one fatality every 2.4 days.

2.03 crashes per million vehicle-miles of travel between 2006 – 2008. This is down 12% from 2.30 crashes per million vehicle-miles of travel between 1997 – 1999.

1.02 injuries per million vehicle-miles of travel between 2006 – 2008. This is down 31% from 1.48 injuries per million vehicle-miles of travel between 1997 – 1999.

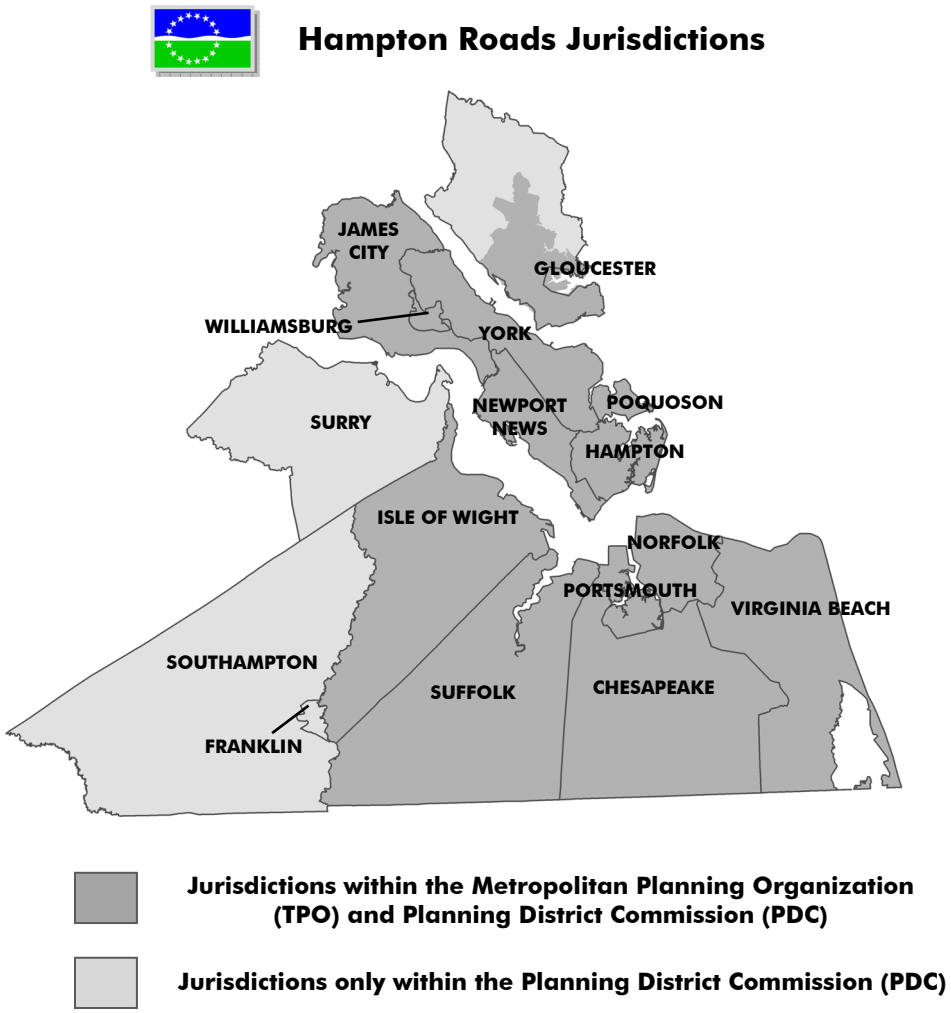
1.01 fatalities per 100 million vehicle-miles of travel between 2006 – 2008. This is down 11% from 1.15 fatalities per 100 million vehicle-miles of travel between 1997 – 1999.

2,093 traffic crashes that involved alcohol in 2008. This is one out of every 13 crashes.

62 fatalities resulting from crashes that involved alcohol in 2008. 35% of all traffic crash fatalities from 2006 to 2008 were the result of crashes that involved alcohol.

In 2001 the Hampton Roads Metropolitan Planning Organization initiated a comprehensive study examining highway safety throughout the region. That effort, titled the Hampton Roads Regional Safety Study, analyzed general crash data and trends on a regional and jurisdictional level, the locations of crashes throughout the region, and crash countermeasures for high crash locations.

This report, prepared by Hampton Roads Transportation Planning Organization (HRTPO) staff, updates the General Crash Data and Trends portion of the Hampton Roads Regional Safety Study through the year 2008 where data is available. Similar to previous updates, trends are analyzed for crashes, injuries and fatalities on a regional and jurisdictional level for those localities within the HRPDC[1] (see map to the right). Comparisons are also made with regional, statewide and national crash data.



1 Although this study was prepared by HRTPO staff, funds from the Hampton Roads Planning District Commission were used to analyze those areas outside of the Metropolitan Planning Organization boundary.

TRAFFIC CRASHES

HAMPTON ROADS TRAFFIC CRASHES

TRAFFIC CRASHES BY JURISDICTION

HAMPTON ROADS TRAFFIC CRASH RATES

VIRGINIA TRAFFIC CRASH RATES

TRAFFIC CRASH RATES BY JURISDICTION

HAMPTON ROADS CRASHES – CRASH TYPES

HAMPTON ROADS CRASHES – DRIVER ACTION

VIRGINIA CRASHES - DRIVER ACTION

HAMPTON ROADS CRASHES – WORK ZONES

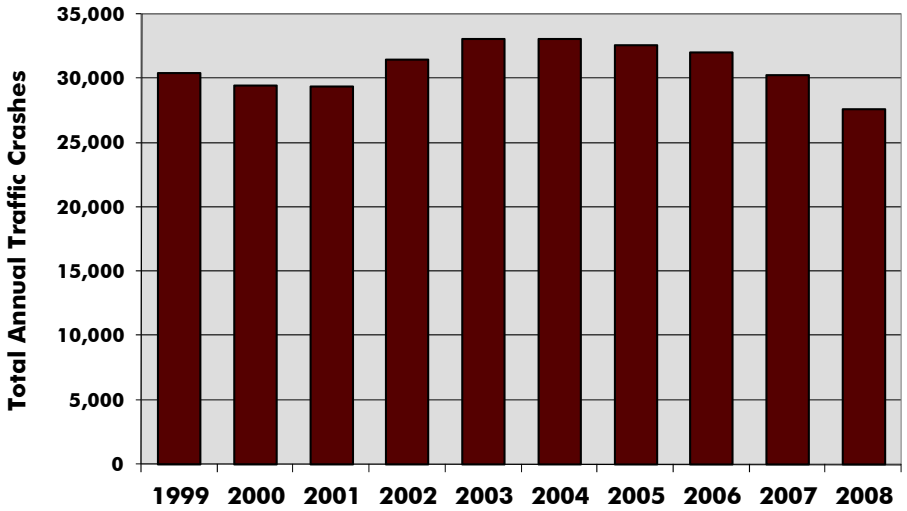
HAMPTON ROADS ALCOHOL-RELATED CRASHES

VIRGINIA ALCOHOL-RELATED CRASHES

VIRGINIA CRASHES - TRUCKS

HAMPTON ROADS TRAFFIC CRASHES

Hampton Roads Annual Traffic Crashes*, 1999-2008



Data source: Virginia DMV.

* A reported traffic crash according to the Virginia Department of Motor Vehicles includes all crashes on public roadways that involve a fatality, injury, or estimated property damage of at least $1,000.

27,599 crashes in 2008

17% - 2004 to 2008

There was an average of 75 crashes every day in Hampton Roads in 2008, or one crash every 19 minutes. The number of crashes in Hampton Roads has decreased every year since 2004 and there were 17% fewer crashes in the region in 2008 than in 2004. There were fewer crashes in Hampton Roads in 2008 than in any other year over the last decade.

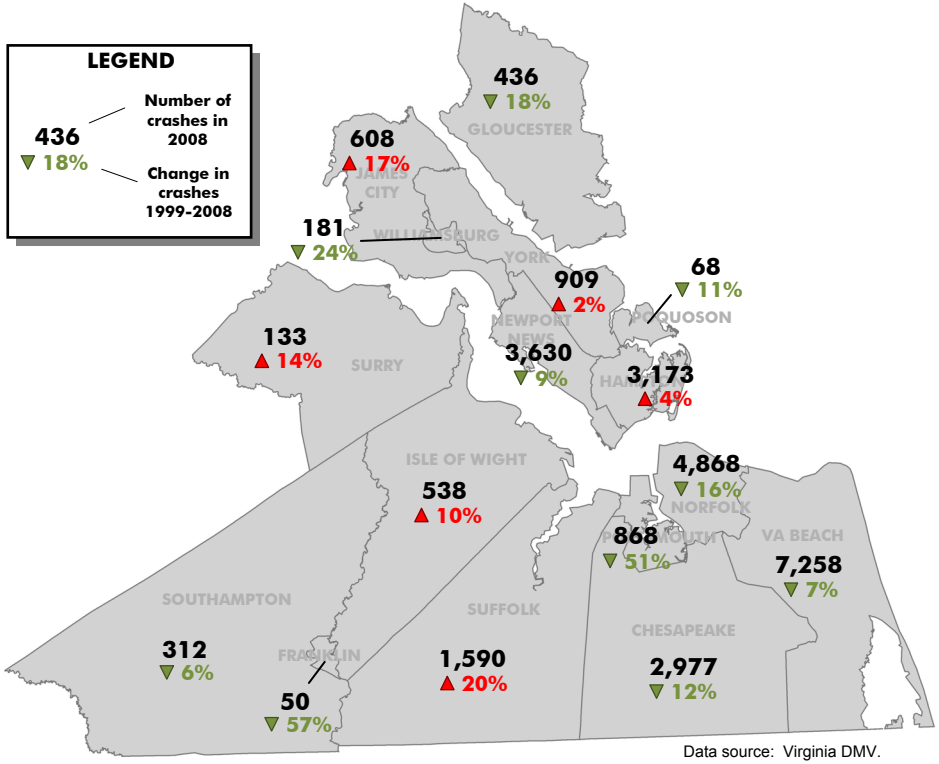
135,282 crashes in 2008

12% - 2004 to 2008

The number of traffic crashes in Virginia actually increased between 1999 and 2008. However, similar to Hampton Roads the state has experienced a decrease in traffic crashes over the last few years and there were 12% fewer crashes in Virginia in 2008 than in 2004.

TRAFFIC CRASHES BY JURISDICTION

Traffic Crashes and Trends by Jurisdiction, 1999-2008



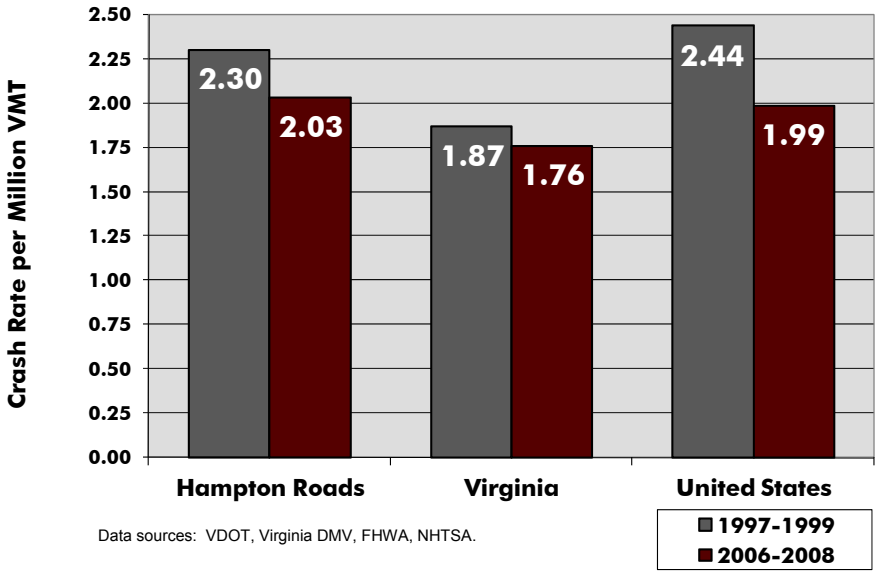
Data source: Virginia DMV.

Of the sixteen Hampton Roads jurisdictions, six experienced an increase in the number of traffic crashes between 1999 and 2008. Suffolk experienced the largest increase with 20% more crashes in 2008 than in 1999. Isle of Wight, James City, and Surry Counties also experienced double digit increases in the percentage of crashes between 1999 and 2008.

Most Hampton Roads jurisdictions experienced a decrease in the number of traffic crashes between 1999 and 2008. Both Franklin and Portsmouth had decreases of greater than 50%, and Chesapeake, Gloucester, Norfolk, Poquoson, and Williamsburg also experienced double digit decreases in the percentage of crashes between 1999 and 2008.

HAMPTON ROADS TRAFFIC CRASH RATES

Traffic Crash Rates in Hampton Roads, Virginia, and the United States, 1997-1999 and 2006-2008



Data sources: VDOT, Virginia DMV, FHWA, NHTSA.

2.03 crashes/MVMT in 2006-2008
12% from 1997-1999

1.76 crashes/MVMT in 2006-2008
6% from 1997-1999

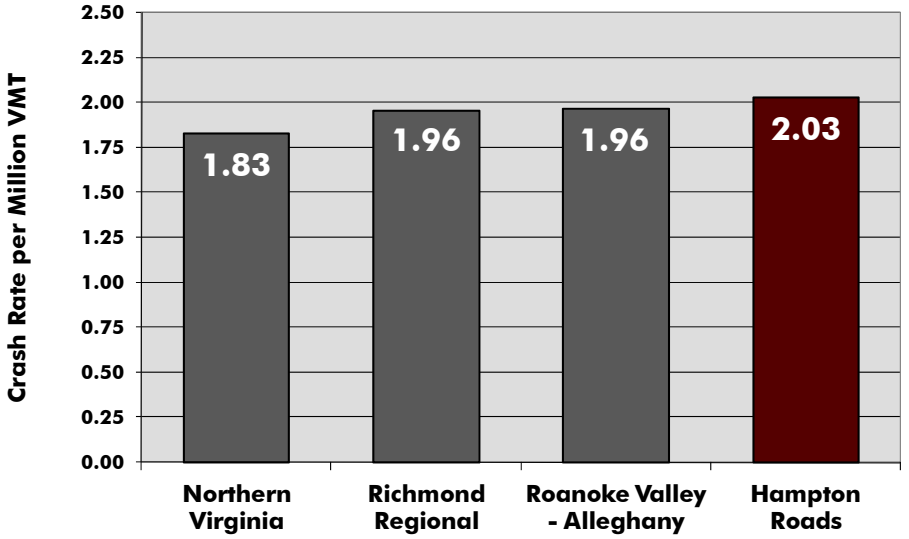
1.99 crashes/MVMT in 2006-2008
19% from 1997-1999

There were 2.03 crashes per million vehicle-miles of travel (MVMT) in Hampton Roads in the years 2006-2008. This rate of traffic crashes in Hampton Roads decreased 12% from the end of last decade.

In spite of the decrease, the crash rate in Hampton Roads is higher than the Virginia and national crash rates. The national crash rate has also decreased at a much higher pace than the crash rate in Hampton Roads.

VIRGINIA TRAFFIC CRASH RATES

Traffic Crash Rates in Selected Virginia Planning Districts, 2006-2008



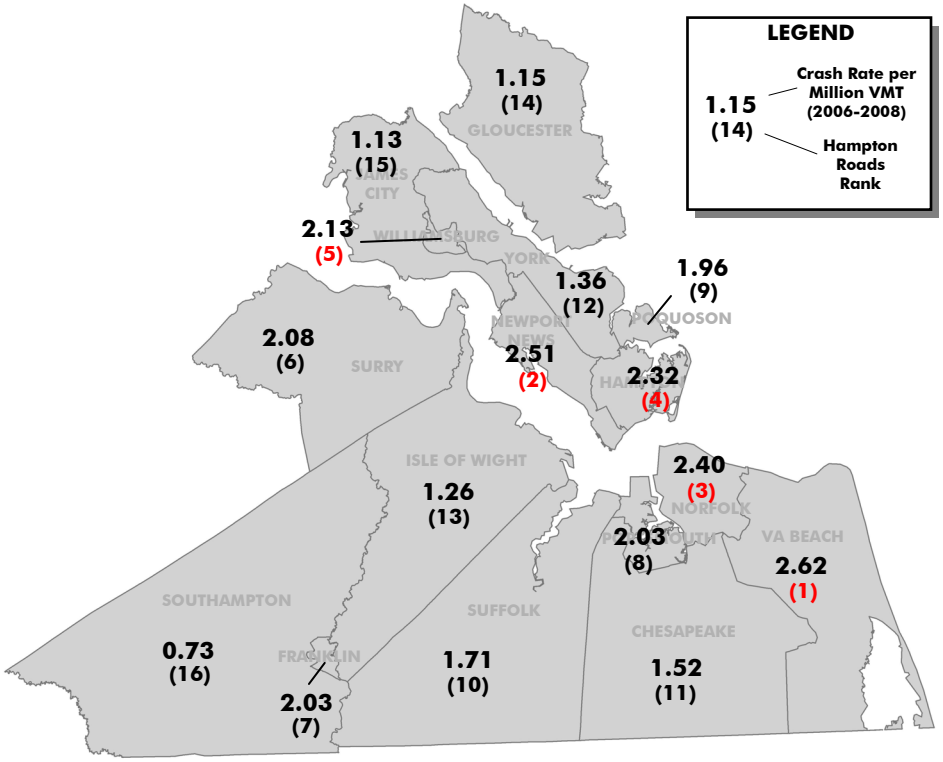
Data sources: VDOT, Virginia DMV.

Hampton Roads had a higher crash rate in terms of crashes per amount of travel than other metropolitan areas in Virginia. At 2.03 crashes per million vehicle-miles of travel in the years 2006-2008, Hampton Roads had a crash rate that was 4% higher than Richmond and Roanoke and 10% higher than Northern Virginia.

All four of the largest metropolitan areas in the state had crash rates that were higher than the statewide rate of 1.76 crashes per million vehicle-miles of travel.

TRAFFIC CRASH RATES BY JURISDICTION

Traffic Crash Rates by Jurisdiction, 2006-2008

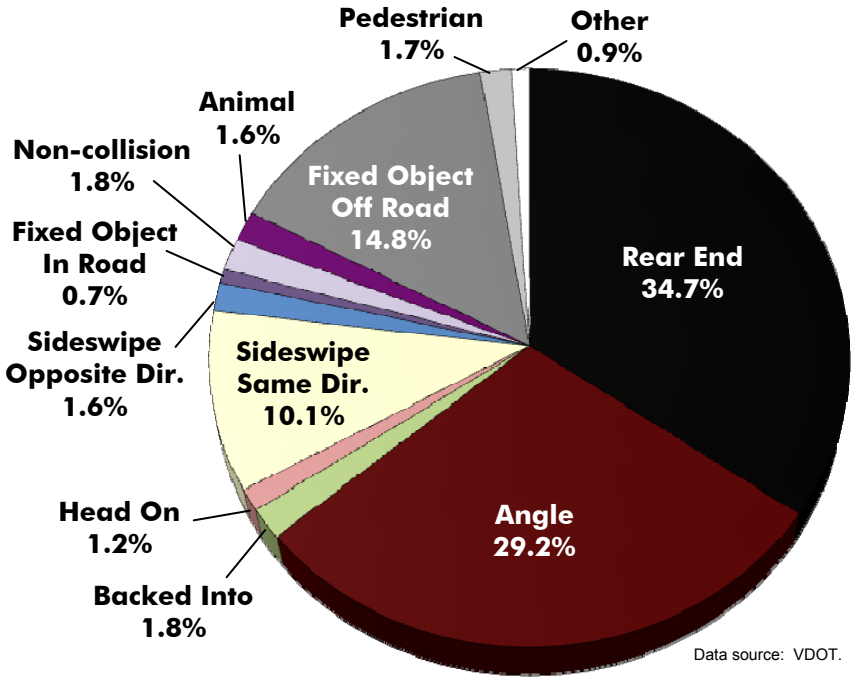


The City of Virginia Beach, which has the highest number of crashes of any jurisdiction in the region, also had the highest crash rate per amount of roadway travel of any Hampton Roads jurisdiction in 2006-2008 at 2.62 crashes per million VMT. Other jurisdictions with the highest crash rates were the more urbanized cities of Newport News, Norfolk, Hampton, and Williamsburg.

The Hampton Roads jurisdictions with the lowest crash rates were the more rural localities of Southampton, James City, Gloucester, Isle of Wight, and York Counties. This is not unusual; rural areas typically have lower crash rates than urban areas due to fewer traffic conflicts (such as intersections, entrances to businesses, and driveways) and less congestion.

HAMPTON ROADS CRASHES - CRASH TYPE

Hampton Roads Crashes by Type, 2006-2008



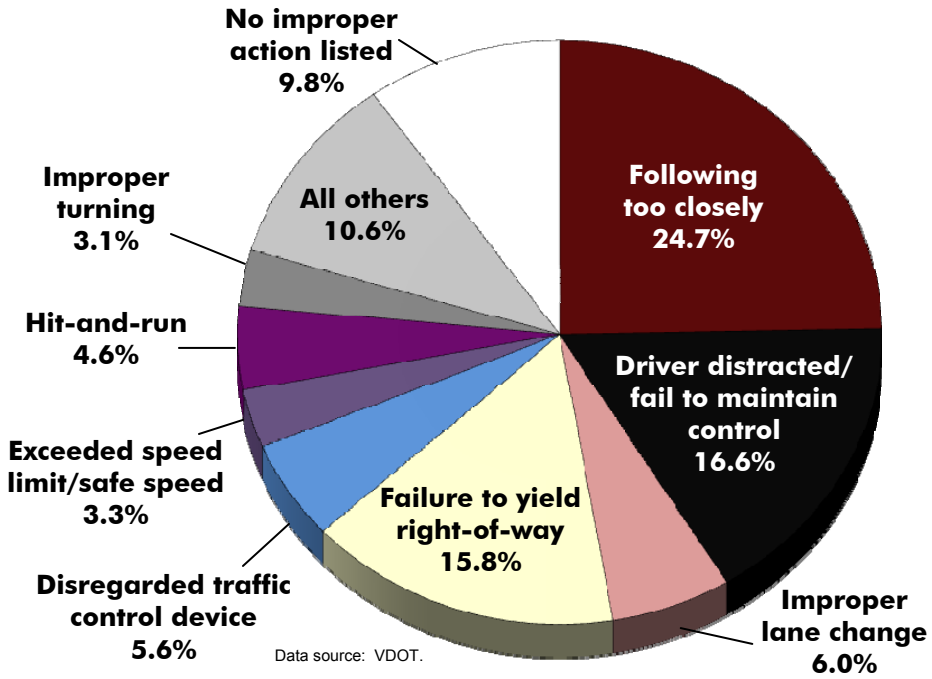
Data source: VDOT.

The primary crash types in Hampton Roads in 2006-2008 were rear end crashes (34.7%), angle crashes (29.2%), and fixed objects off the roadway surface crashes (14.8%). Over three out of every four crashes in Hampton Roads during this period were one of these three crash types.

Similar to Hampton Roads, the primary crash types statewide between 2006 and 2008 were rear end crashes (31.2%), angle crashes (23.2%), and fixed objects off the roadway surface crashes (20.8%).

HAMPTON ROADS CRASHES – DRIVER ACTION

Primary Driver Actions Leading to Traffic Crashes in Hampton Roads, 2005-2007



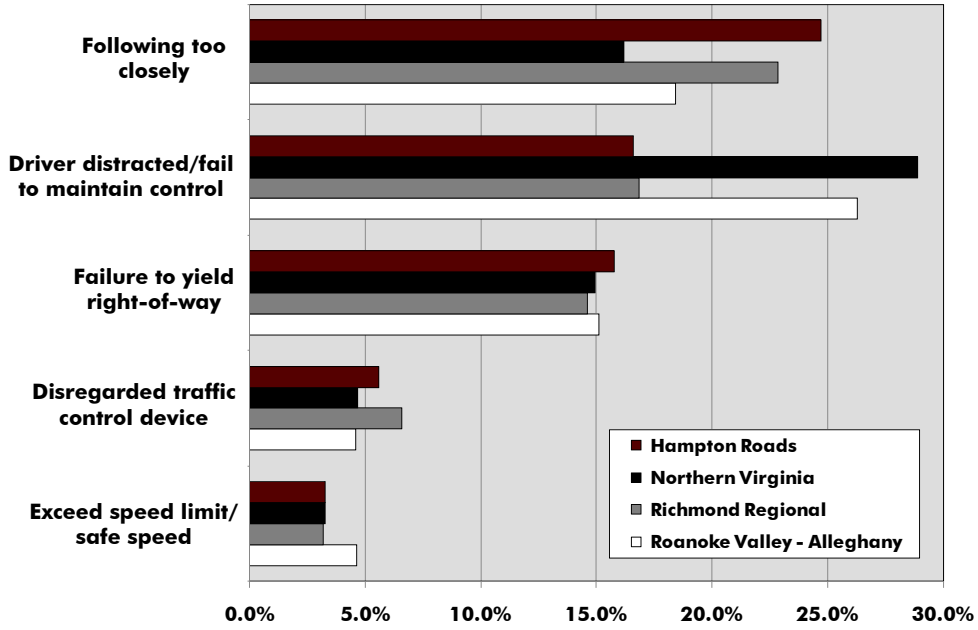
Data source: VDOT.

The most prevalent driver actions leading to crashes in Hampton Roads from 2005–2007 were following too closely (24.7%), driver distracted or failed to maintain control (16.6%), and failure to yield the right-of-way (15.8%). Of those crashes due to driver distractions, only 2.8% listed cell phones as the cause of the distraction, although the actual number is likely much higher.

The primary driver actions leading to crashes statewide from 2005-2007 were driver distracted or failed to maintain control (24.1%), following too closely (18.4%), and failure to yield the right-of-way (14.9%).

VIRGINIA CRASHES – DRIVER ACTION

Primary Driver Actions Leading to Traffic Crashes in Selected Virginia Planning Districts, 2005-2007



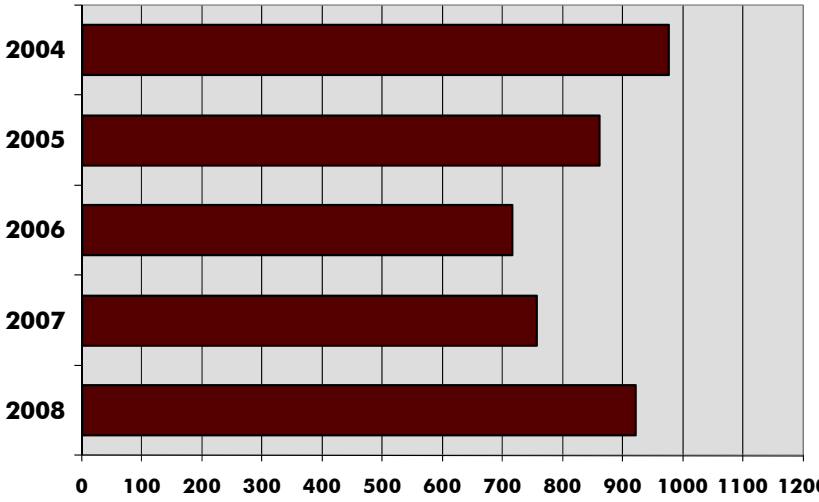
Data source: VDOT.

Crashes caused by drivers following too closely was the most prevalent driver action in both the Hampton Roads and Richmond planning districts between 2005 and 2007. In both areas more than 20% of all traffic crashes were due to drivers following too closely.

In the Northern Virginia and Roanoke Valley-Alleghany planning districts, the most prevalent driver action preceding traffic crashes was driver distractions/failing to maintain control. In both of these areas more than 25% of all crashes between 2005 and 2007 were caused by distracted drivers.

HAMPTON ROADS CRASHES – WORK ZONES

Number of Crashes in Hampton Roads Occurring in Work Zones, 2004-2008



Data source: VDOT.

921 crashes in work zones in 2008

6% - 2004 to 2008

There were a total of 921 crashes that occurred in work zones in Hampton Roads in 2008, comprising 3.3% of all traffic crashes in the region. The number of crashes in work zones has increased each year since 2006, although the level is lower than in 2004.

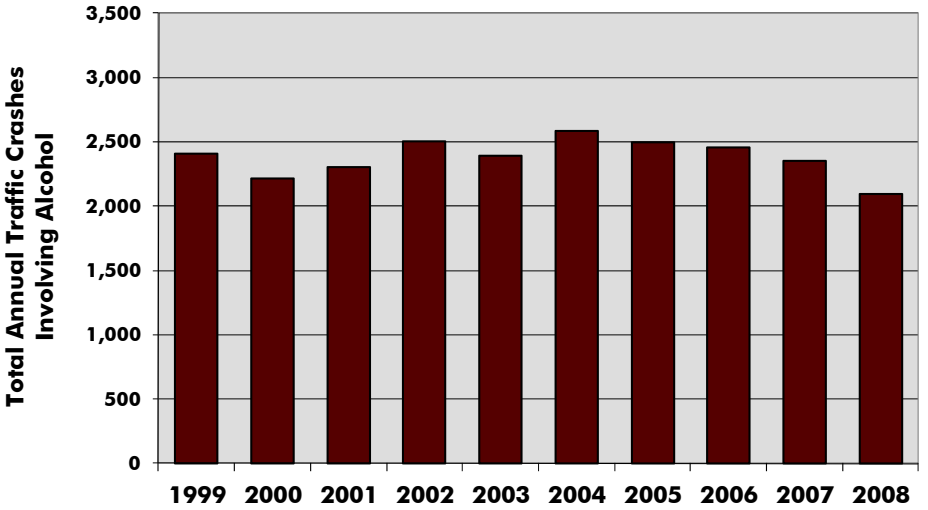
3,569 crashes in work zones in 2008

10% - 2004 to 2008

There were 3,569 crashes in work zones throughout the State of Virginia in 2008, up 10% from the number of such crashes in 2004. 2.6% of all traffic crashes in Virginia in 2008 occurred in work zones, a lower percentage than that experienced in Hampton Roads.

HAMPTON ROADS ALCOHOL-RELATED CRASHES

Hampton Roads Crashes Involving Alcohol*, 1999-2008



Data source: Virginia DMV.

* The Virginia Department of Motor Vehicles defines a traffic crash as being alcohol-related (or involving alcohol) when the police report indicates that a driver, pedestrian, or bicyclist had been drinking before the crash, regardless of the blood alcohol content (BAC).

2,093 alcohol-related crashes in 2008

19% - 2004 to 2008

There were 2,093 traffic crashes in Hampton Roads that involved alcohol in 2008, comprising 7.6% of all crashes. This number has decreased every year since 2004, with nearly 500 fewer crashes involving alcohol in Hampton Roads in 2008 than in 2004. The percentage of all crashes that involve alcohol has also decreased slightly, down from 7.8% of all regional crashes in 2004.

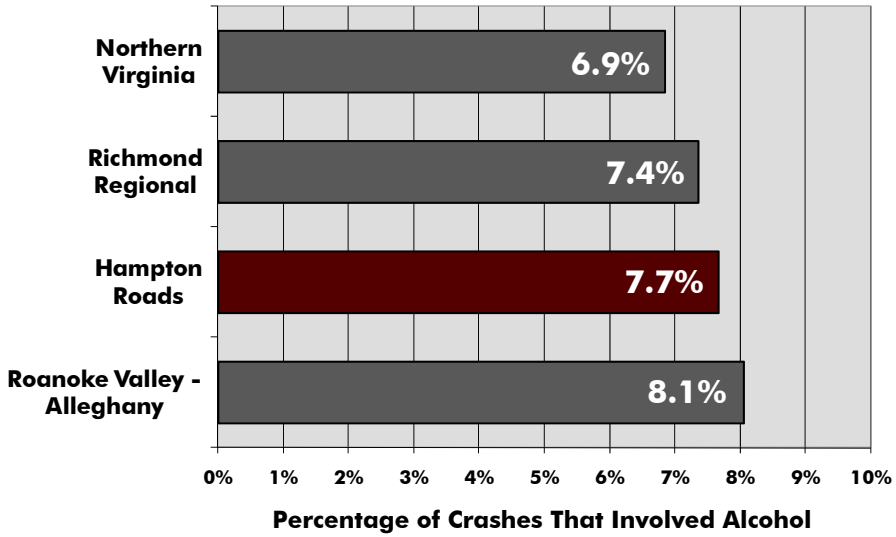
10,294 alcohol-related crashes in 2008

11% - 2004 to 2008

7.6% of all traffic crashes in Virginia in 2008 involved alcohol, which is equal to the percentage experienced in Hampton Roads. The number of crashes involving alcohol decreased by 11% between 2004 and 2008, a decrease lower than the one experienced in Hampton Roads.

VIRGINIA ALCOHOL-RELATED CRASHES

Percentage of Crashes that were Alcohol-Related in Selected Virginia Planning Districts, 2006-2008



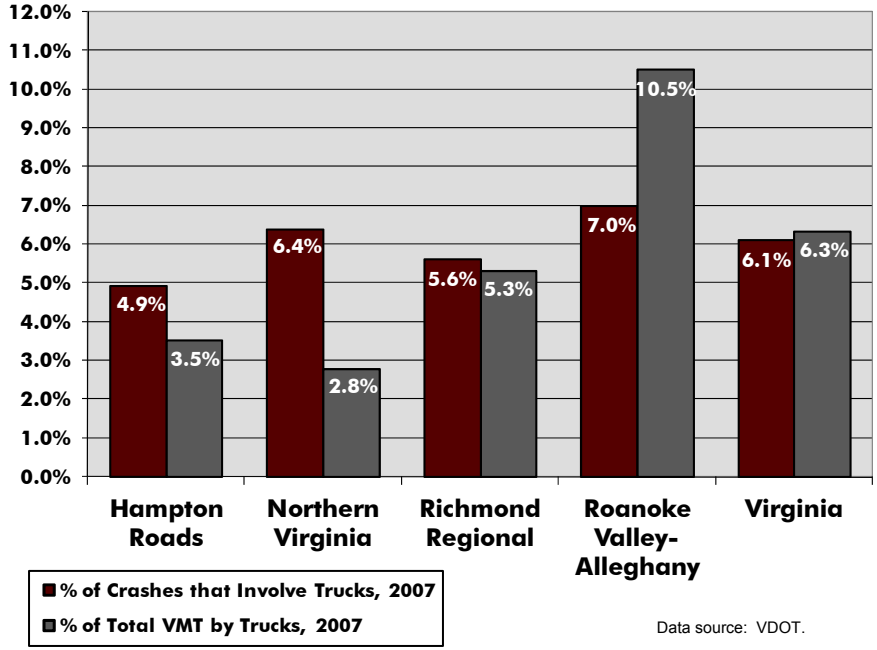
Data source: Virginia DMV.

* The Virginia Department of Motor Vehicles defines a traffic crash as being alcohol-related (or involving alcohol) when the police report indicates that a driver, pedestrian, or bicyclist had been drinking before the crash, regardless of the blood alcohol content (BAC).

At 7.7% the percentage of crashes that involved alcohol in Hampton Roads between 2006 and 2008 was higher than the percentage experienced in the Northern Virginia and Richmond planning districts, but lower than the percentage in the Roanoke area.

VIRGINIA CRASHES - TRUCKS

Percentage of Crashes and VMT that Involve Trucks, Virginia and Selected Planning Districts, 2007



Data source: VDOT.

In 2007, 4.9% of all traffic crashes in Hampton Roads involved trucks, and 2.7% of all vehicles involved in traffic crashes in Hampton Roads were trucks. By comparison, 3.5% of all roadway travel in Hampton Roads in 2007 was truck travel.

The percentage of crashes that involved trucks was lower in Hampton Roads than in the Northern Virginia, Richmond, and Roanoke planning districts. Each of these areas also had a higher percentage of truck travel except for Northern Virginia.

TRAFFIC CRASH INJURIES

HAMPTON ROADS INJURIES

TRAFFIC CRASH INJURIES BY JURISDICTION

HAMPTON ROADS INJURY RATES

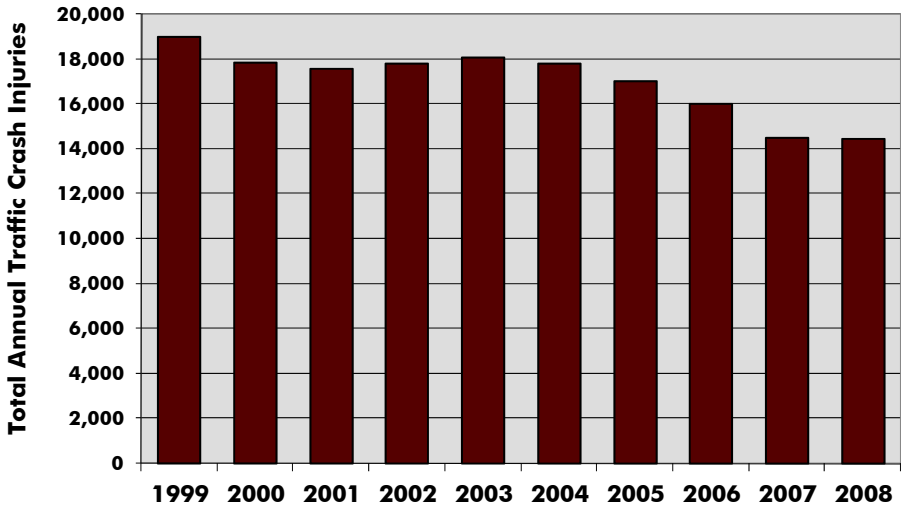
VIRGINIA INJURY RATES

HAMPTON ROADS INJURIES – CRASH TYPE

HAMPTON ROADS ALCOHOL-RELATED INJURIES

HAMPTON ROADS INJURIES

Hampton Roads Annual Traffic Crash Injuries*, 1999-2008



Data source: Virginia DMV.

* An injury traffic crash is defined by the Virginia Department of Motor Vehicles as any crash that involves at least one injury, but results in no fatalities within 30 days of the crash.

14,465 injuries in 2008

▼ 20% - 2003 to 2008

There were 14,465 injuries that resulted from traffic crashes in Hampton Roads in 2008, or one injury on average every 36 minutes. The number of injuries has decreased every year since 2003, with 20% fewer injuries in the region in 2008 than in 2003. The number of injuries per crash has also decreased in Hampton Roads, from 0.62 injuries per crash in 1999 down to 0.52 in 2008.

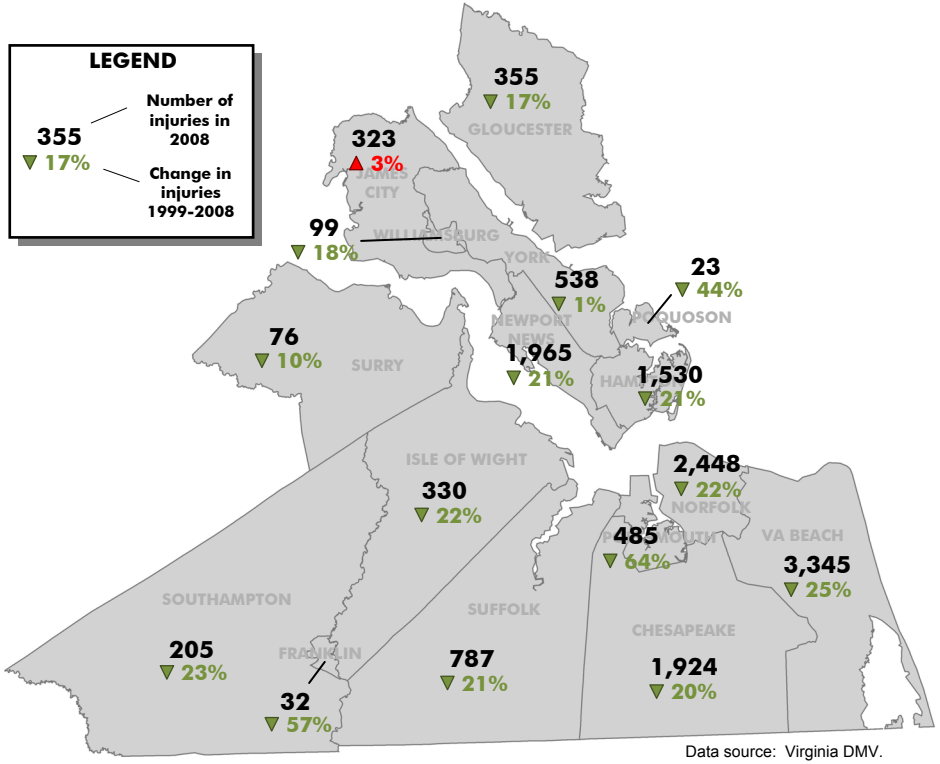
69,130 injuries in 2008

▼ 12% - 2003 to 2008

The number of injuries resulting from traffic crashes in Virginia decreased 12% from 2003 to 2008, which is well below the percentage decrease that was experienced in Hampton Roads during this time.

TRAFFIC CRASH INJURIES BY JURISDICTION

Traffic Crash Injuries and Trends by Jurisdiction, 1999-2008



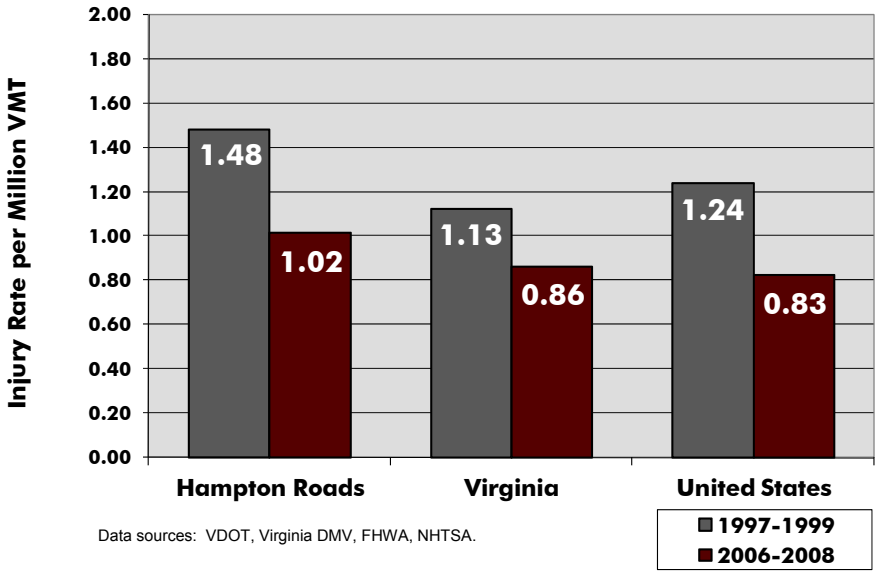
Data source: Virginia DMV.

Of the sixteen Hampton Roads jurisdictions, only James City County experienced an increase in the number of injuries resulting from traffic crashes between 1999 and 2008. This occurred despite the fact that six jurisdictions saw an increase in the total number of traffic crashes during this time period.

Many Hampton Roads jurisdictions experienced large decreases in the number of injuries resulting from traffic crashes between 1999 and 2008. Eleven of the sixteen jurisdictions experienced a decrease of 20% or more, and both Franklin and Portsmouth had decreases of greater than 50%.

HAMPTON ROADS INJURY RATES

Traffic Crash Injury Rates in Hampton Roads, Virginia, and the United States, 1997-1999 and 2006-2008



Data sources: VDOT, Virginia DMV, FHWA, NHTSA.

1.02 injuries/MVMT in 2006-2008
31% from 1997-1999

0.86 injuries/MVMT in 2006-2008
24% from 1997-1999

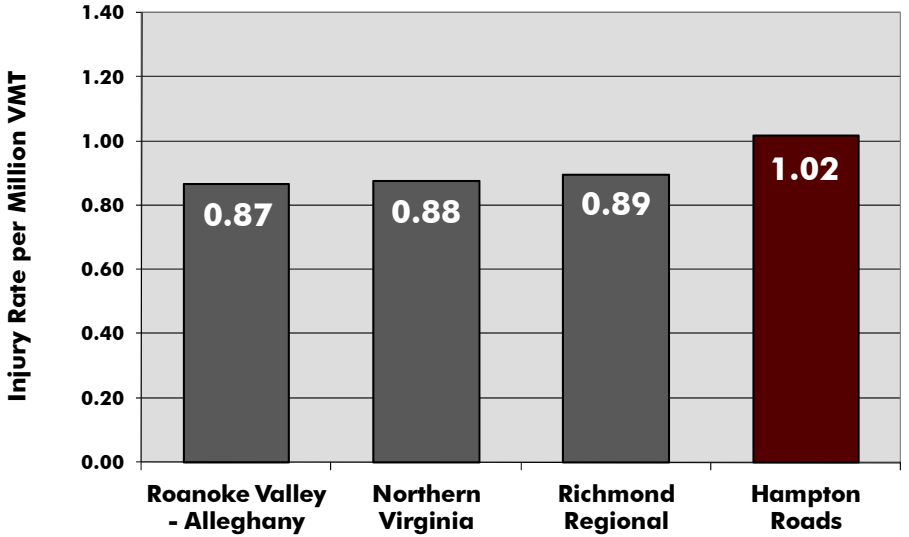
0.83 injuries/MVMT in 2006-2008
33% from 1997-1999

There were 1.02 injuries per million vehicle-miles of travel (MVMT) in Hampton Roads in the years 2006-2008. This rate has decreased over 30% from 1997-1999, when the injury rate in Hampton Roads was 1.48 injuries per MVMT.

In spite of the decrease, the crash injury rate in Hampton Roads is still higher than the Virginia and national injury rates. The injury rate has decreased faster in Hampton Roads than the Virginia rate, but not as fast as the nationwide injury rate.

VIRGINIA INJURY RATES

Traffic Crash Injury Rates in Selected Virginia Planning Districts, 2006-2008



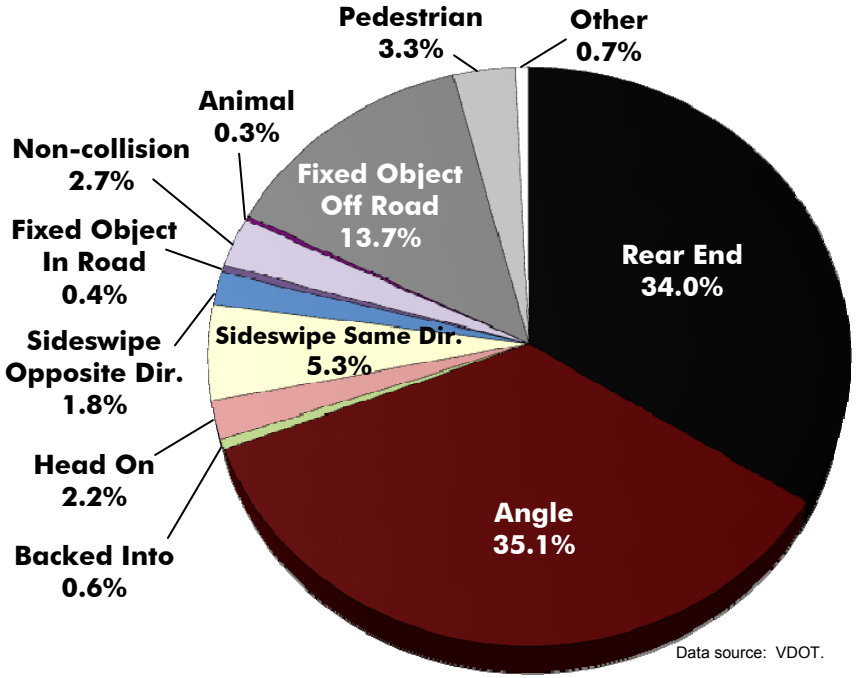
Data sources: VDOT, Virginia DMV.

Hampton Roads had a higher crash injury rate between 2006 and 2008 than the Roanoke, Northern Virginia, and Richmond planning districts. At 1.02 injuries per million vehicle-miles of travel, the injury rate was about 15% higher in Hampton Roads than in the other three metropolitan areas.

All four of the largest metropolitan areas in the state had crash injury rates that were higher than the statewide rate of 0.86 injuries per million vehicle-miles of travel. This is not unusual since, similar to crash rates, rural areas typically have lower injury rates than urban areas.

HAMPTON ROADS INJURIES – CRASH TYPE

Hampton Roads Injuries by Crash Type, 2006-2008



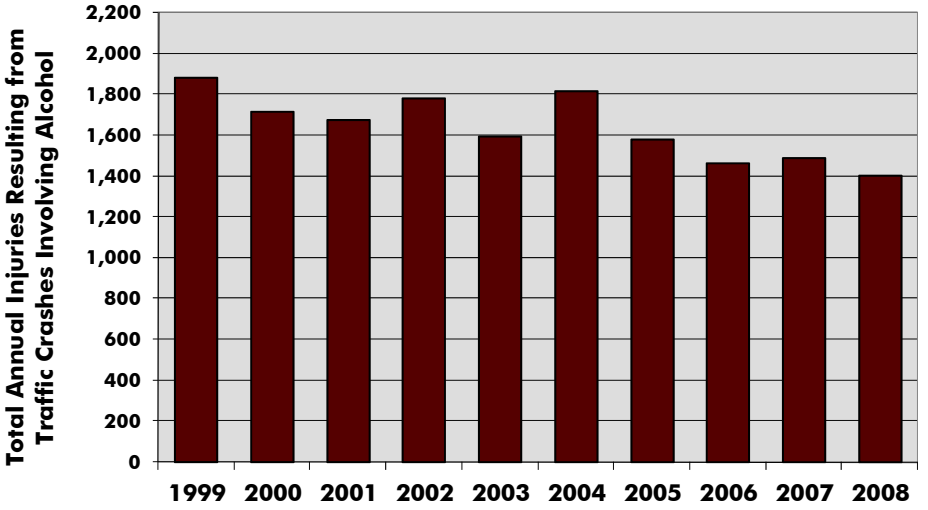
Data source: VDOT.

The primary crash types that resulted in injuries in Hampton Roads between 2006 and 2008 were angle crashes (35.1%), rear end crashes (34.0%), and fixed objects off the roadway surface crashes (13.7%). These were also the three most prevalent crash types in Hampton Roads during this time period.

Similar to Hampton Roads, the primary crash types statewide that resulted in injuries between 2006 and 2008 were rear end crashes (31.4%), angle crashes (28.6%), and fixed objects off the roadway surface crashes (21.8%).

HAMPTON ROADS ALCOHOL-RELATED INJURIES

Injuries Resulting from Traffic Crashes Involving Alcohol in Hampton Roads, 1999-2008



Data source: Virginia DMV.

1,401 alcohol-related injuries in 2008

23% - 2004 to 2008

There were 1,401 injuries that resulted from alcohol-related traffic crashes in Hampton Roads in 2008, comprising 9.7% of all injuries. The number of injuries from crashes involving alcohol has decreased in recent years, with 400 fewer such injuries in Hampton Roads in 2008 than in 2004, a 23% decrease. The number of injuries per alcohol-related crash has also decreased, from 0.70 in 2004 down to 0.67 in 2008.

7,000 alcohol-related injuries in 2008

12% - 2004 to 2008

The number of injuries statewide that resulted from crashes involving alcohol decreased by 12% between 2004 and 2008, well below the 23% decrease experienced in Hampton Roads during this time. 10.1% of all traffic crash injuries throughout Virginia resulted from alcohol-related crashes in 2008, which is slightly higher than the Hampton Roads rate.

TRAFFIC CRASH FATALITIES

HAMPTON ROADS FATALITIES

TRAFFIC CRASH FATALITIES BY JURISDICTION

HAMPTON ROADS FATALITY RATES

VIRGINIA FATALITY RATES

TRAFFIC CRASH FATALITY RATES BY JURISDICTION

NATIONWIDE FATALITY RATES

HAMPTON ROADS FATALITIES – VEHICLE TYPES

HAMPTON ROADS FATALITIES – CRASH TYPE

HAMPTON ROADS FATALITIES – DRIVER ACTION

VIRGINIA FATALITIES - DRIVER ACTION

HAMPTON ROADS FATALITIES – SAFETY BELTS

VIRGINIA FATALITIES – SAFETY BELTS

HAMPTON ROADS ALCOHOL-RELATED FATALITIES

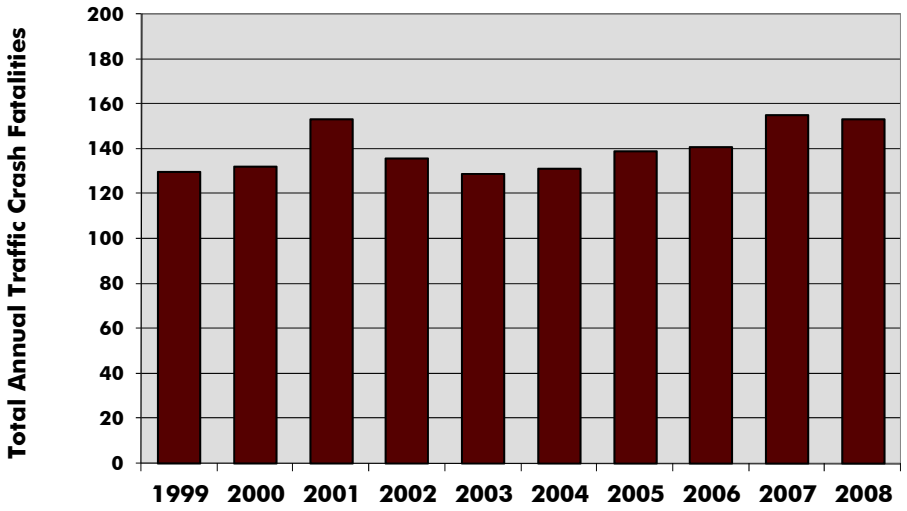
HAMPTON ROADS FATALITIES BY BAC

VIRGINIA ALCOHOL-RELATED FATALITIES

VIRGINIA FATALITIES - TRUCKS

HAMPTON ROADS FATALITIES

Hampton Roads Annual Traffic Crash Fatalities*, 1999-2008



Data source: Virginia DMV.

* A fatality traffic crash is defined by the Virginia Department of Motor Vehicles as any crash that caused the death of at least one driver, passenger, or pedestrian within 30 day of the crash as the result of injuries suffered in the crash.

153 fatalities in 2008

▲ 24 - 2003 to 2008

There were 153 fatalities that resulted from traffic crashes in Hampton Roads in 2008, which translates to a fatality on average once every 2.4 days. The number of fatalities in Hampton Roads has increased in recent years, with 24 more fatalities in Hampton Roads in 2008 than in 2003, a 19% increase. The number of fatalities per crash has also increased, from 3.9 fatalities per 1,000 crashes in 2003 up to 5.5 in 2008.

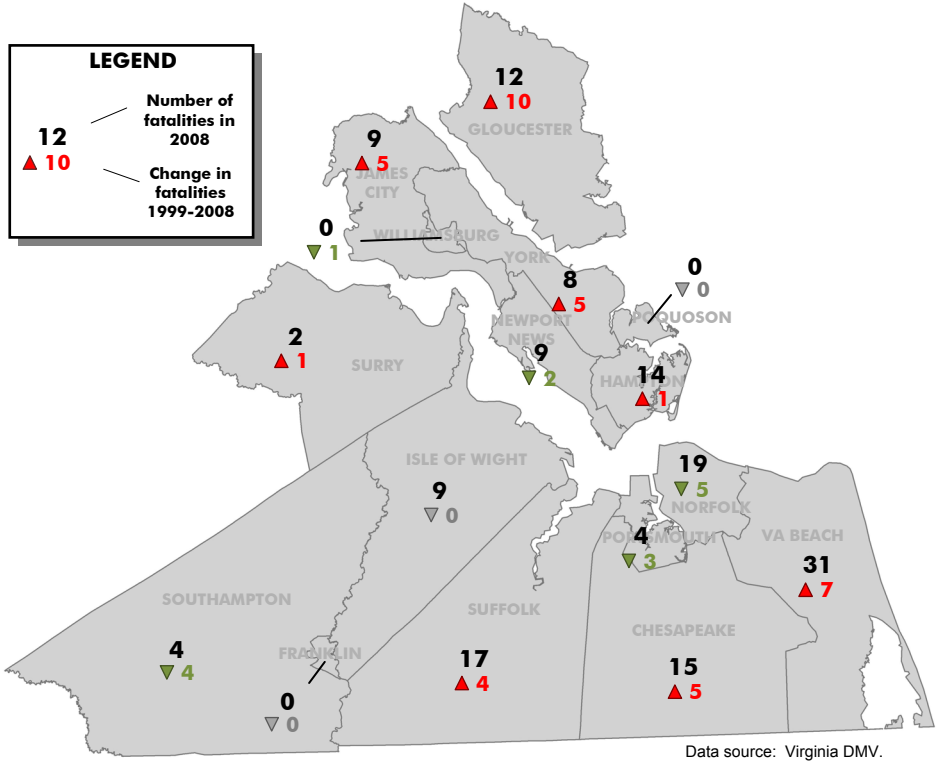
821 fatalities in 2008

▼ 121 - 2003 to 2008

There were 821 fatalities that resulted from crashes statewide in 2008. Contrary to what has been experienced in Hampton Roads, the number of fatalities statewide has deceased in recent years, down from 942 fatalities in 2003 and a high of 1,026 fatalities in 2008. This discrepancy between fatality trends in Hampton Roads and those statewide are examined throughout this section.

TRAFFIC CRASH FATALITIES BY JURISDICTION

Traffic Crash Fatalities and Trends by Jurisdiction, 1999-2008



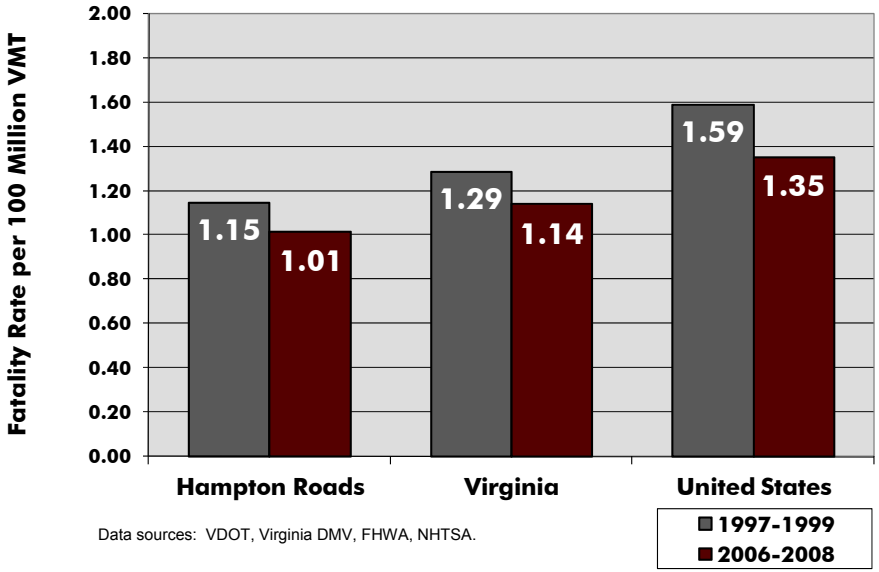
Data source: Virginia DMV.

Of the sixteen Hampton Roads jurisdictions, eight experienced an increase in the number of fatalities that resulted from traffic crashes between 1999 and 2008. Gloucester experienced the largest increase with ten more fatalities in 2008 than in 1999, and Virginia Beach had seven more fatalities during this period.

Five Hampton Roads jurisdictions experienced a decrease in fatalities from 1999 to 2008, with the City of Norfolk experiencing the largest decrease with five fewer fatalities. Three jurisdictions (Franklin, Poquoson, and Williamsburg) had no traffic crash fatalities in 2008.

HAMPTON ROADS FATALITY RATES

Traffic Crash Fatality Rates in Hampton Roads, Virginia, and the United States, 1997-1999 and 2006-2008



Data sources: VDOT, Virginia DMV, FHWA, NHTSA.

1.01 fatalities/100 MVMT in 2006-2008
11% from 1997-1999

1.14 fatalities/100 MVMT in 2006-2008
11% from 1997-1999

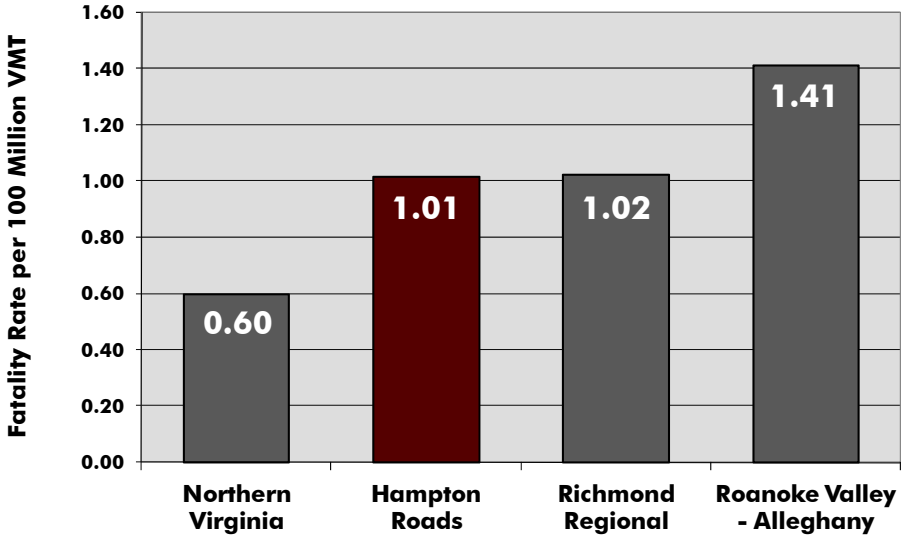
1.35 fatalities/100 MVMT in 2006-2008
15% from 1997-1999

There were 1.01 fatalities per 100 million vehicle-miles of travel (100 MVMT) in Hampton Roads in the years 2006-2008. This rate in Hampton Roads decreased 11% from the end of last decade.

The fatality rate in Hampton Roads is lower than the Virginia and national fatality rates but the fatality rate decrease was lower in Hampton Roads than the national decrease. The national decrease has been attributed to fewer fatalities related to alcohol, speeding, and safety belt use.

VIRGINIA FATALITY RATES

Traffic Crash Fatality Rates in Selected Virginia Planning Districts, 2006-2008



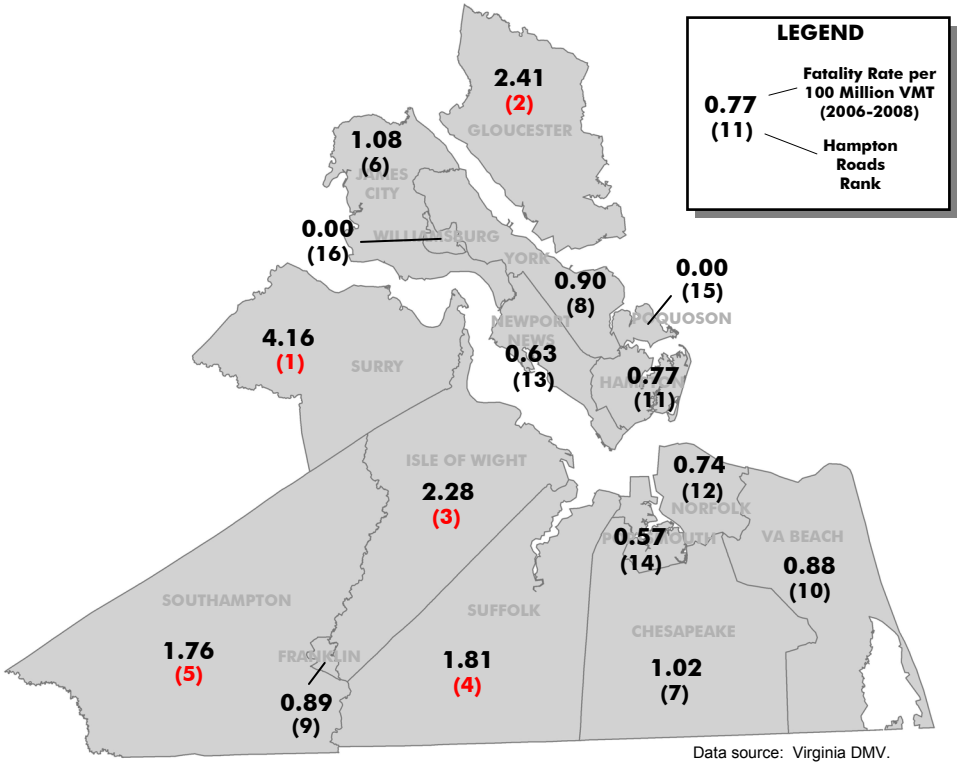
Data sources: VDOT, Virginia DMV.

At 1.01 fatalities per 100 million vehicle-miles of travel in the years 2006-2008, Hampton Roads had a crash fatality rate that was 68% higher than the rate in the Northern Virginia area.

The crash fatality rate in Hampton Roads was similar to the fatality rate in the Richmond area and was much lower than the fatality rate in the Roanoke Valley-Alleghany planning district.

TRAFFIC CRASH FATALITY RATES BY JURISDICTION

Traffic Crash Fatality Rates by Jurisdiction, 2006-2008



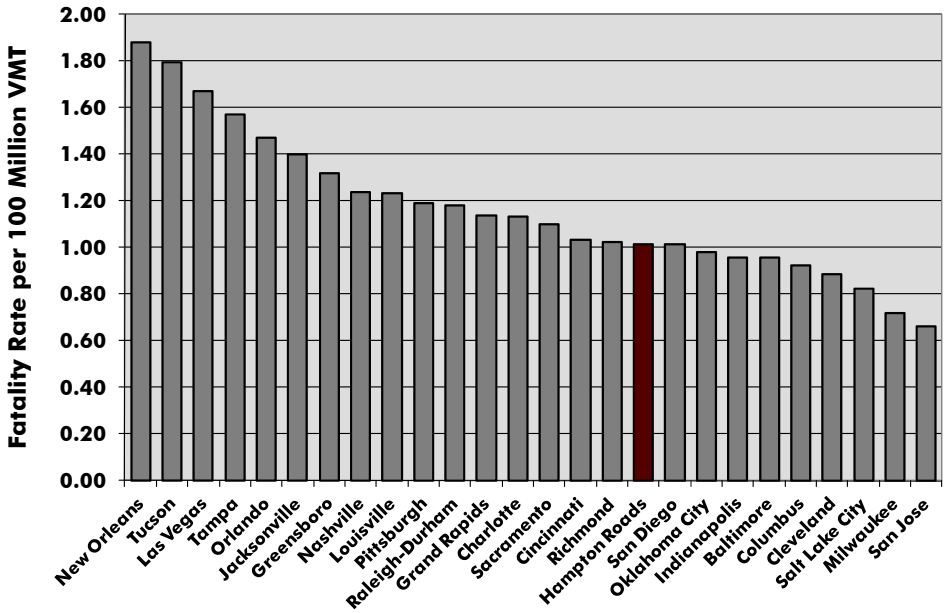
Data source: Virginia DMV.

The more rural areas of Hampton Roads experienced a higher crash fatality rate per amount of roadway travel than the more urban areas. This is not unusual; rural areas typically have higher crash fatality rates than urban areas due to a variety of factors including higher travel speeds, many roadways with substandard designs, lower seat belt usage rates, etc.

The Hampton Roads jurisdictions with the highest crash fatality rates per 100 million vehicle-miles of travel in 2006-2008 were Surry County, Gloucester County, Isle of Wight County, Suffolk, and Southampton County. Williamsburg and Poquoson (both of which experienced no fatalities during the three-year period), Portsmouth, Newport News, and Norfolk had the lowest rates.

NATIONWIDE FATALITY RATES

Nationwide* Fatality Rates, 2006-2008



Data sources: FARS, Various state DOT and DMV websites.

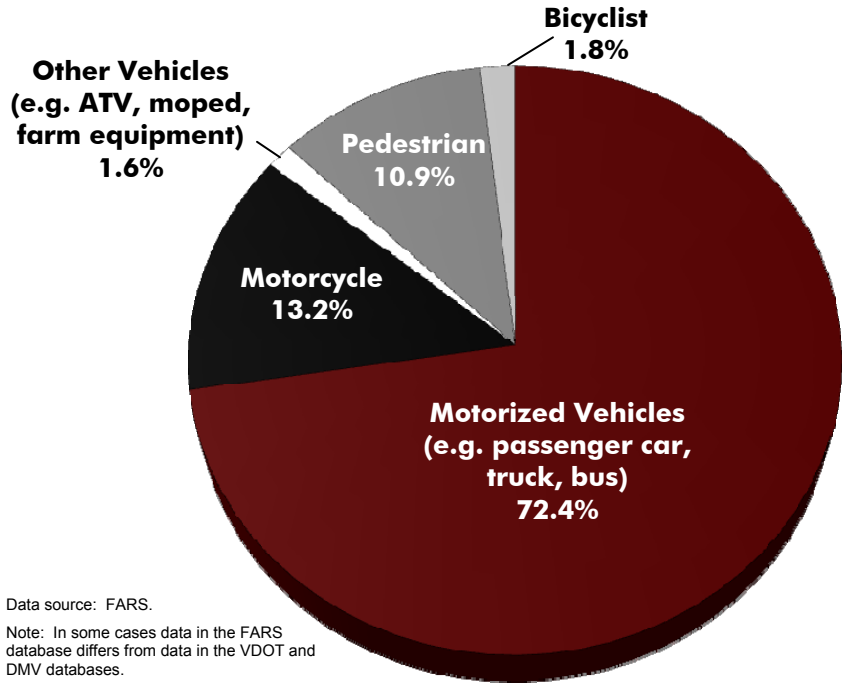
* Chart includes metropolitan areas with populations of between one million and three million people in 2008 where VMT data was readily available.

36 metropolitan areas throughout the United States had a population of between one and three million people in 2008. Among 26 of these metropolitan areas with roadway travel data readily available, Hampton Roads ranked 17th highest at 1.01 fatalities per 100 million VMT in 2006 - 2008.

Many of the areas with higher fatality rates than Hampton Roads were located in states with warm climates in the southwest and southeast. New Orleans, which had the highest fatality rate of the 26 metropolitan areas, had a fatality rate nearly twice as high as the Hampton Roads fatality rate.

HAMPTON ROADS FATALITIES - VEHICLE TYPES

Hampton Roads Fatalities by Vehicle Type, 2006-2008



Data source: FARS.

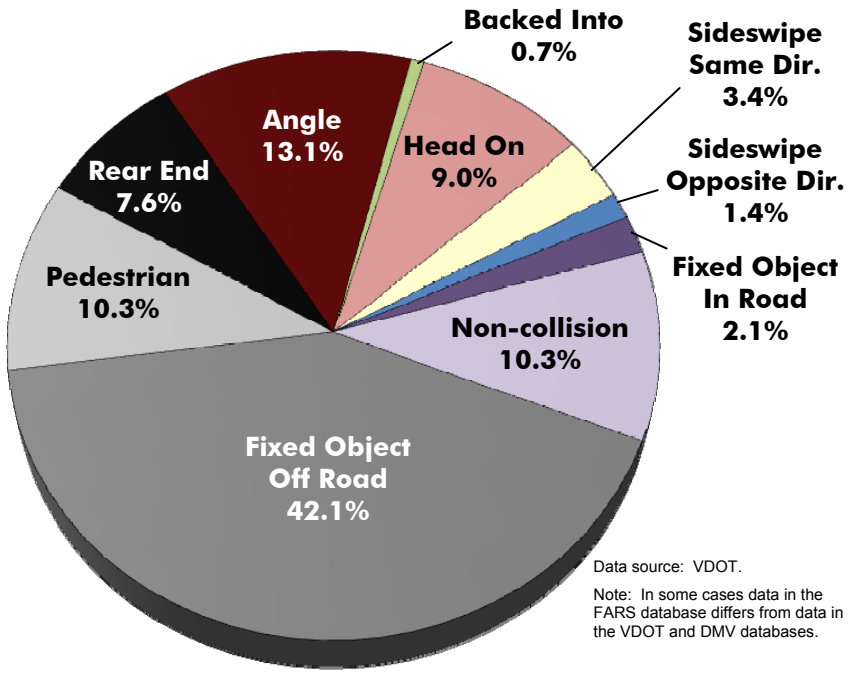
Note: In some cases data in the FARS database differs from data in the VDOT and DMV databases.

Although fatalities occurring in motorized vehicles were the most common type of fatality in Hampton Roads in 2006-2008, motorcycle and pedestrian fatalities were also prevalent throughout the region. 13.2% of all fatalities in Hampton Roads in 2006-2008 occurred to people riding motorcycles, although only 0.3% of the travel in Hampton Roads during this time was motorcycle travel.

This translates to a much higher fatality rate for motorcycle riders than for people travelling in other motorized vehicles. The motorcycle fatality rate was 40.6 fatalities per 100 MVMT in Hampton Roads in 2006-2008 versus 1.01 fatalities per 100 MVMT for all travel.

HAMPTON ROADS FATALITIES – CRASH TYPE

Hampton Roads Fatalities by Crash Type, 2006-2008



Data source: VDOT.

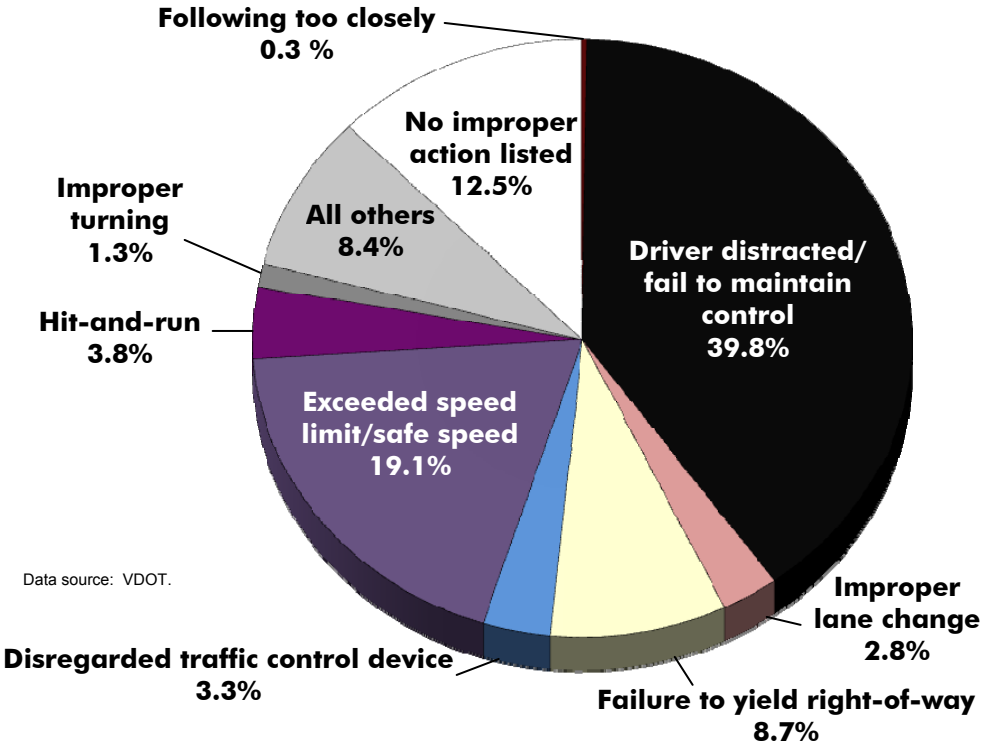
Note: In some cases data in the FARS database differs from data in the VDOT and DMV databases.

The most prevalent crash type resulting in fatalities in Hampton Roads between 2006-2008 was fixed object off the roadway surface crashes, causing more than two out of every five fatalities. This is despite only 15% of all crashes being fixed object crashes during this time. Pedestrian crashes are also highly represented, causing 10.3% of all fatalities in spite of compromising only 1.7% of all crashes.

Similar to Hampton Roads, fixed objects off the roadway surface crashes were the most prevalent crash type statewide between 2006 and 2008 at 43.5% of all fatalities. The next most prevalent crash types leading to fatalities statewide were non-collision crashes (13.6%), and head on crashes (10.3%).

HAMPTON ROADS FATALITIES – DRIVER ACTION

Primary Driver Actions Leading to Traffic Fatalities in Hampton Roads, 2005-2007



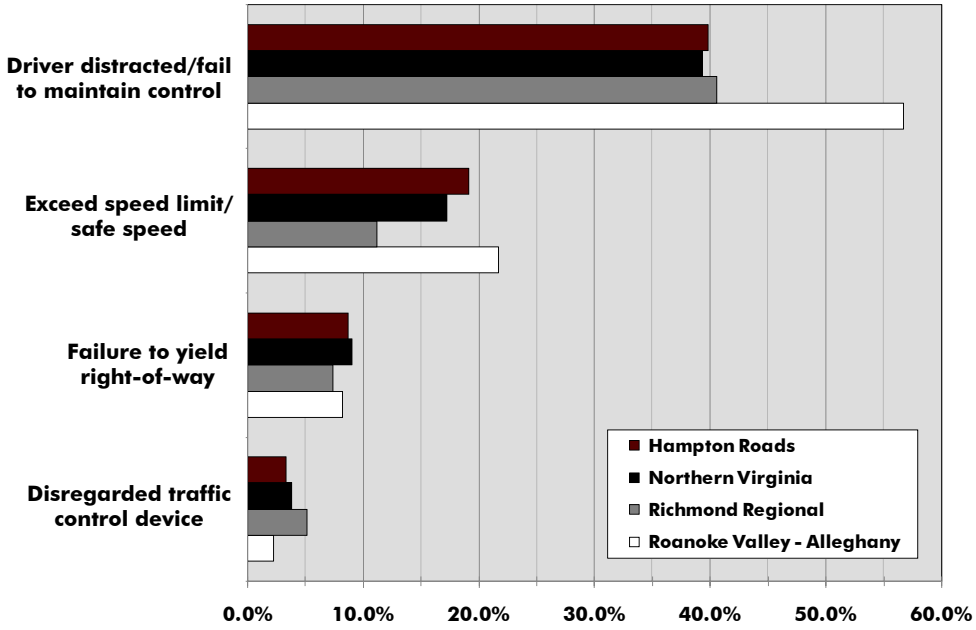
Data source: VDOT.

The most prevalent driver actions leading to fatalities in Hampton Roads from 2005–2007 were drivers being distracted or failing to maintain control of their vehicles (39.8%) and speeding (19.1%).

Similar to Hampton Roads, the most prevalent driver actions that resulted in fatalities statewide between 2005 and 2007 were drivers being distracted or failing to maintain control crashes (48.8%) and speeding (18.2%).

VIRGINIA FATALITIES – DRIVER ACTION

Primary Driver Actions Leading to Traffic Fatalities in Selected Virginia Planning Districts, 2005-2007



Data source: VDOT.

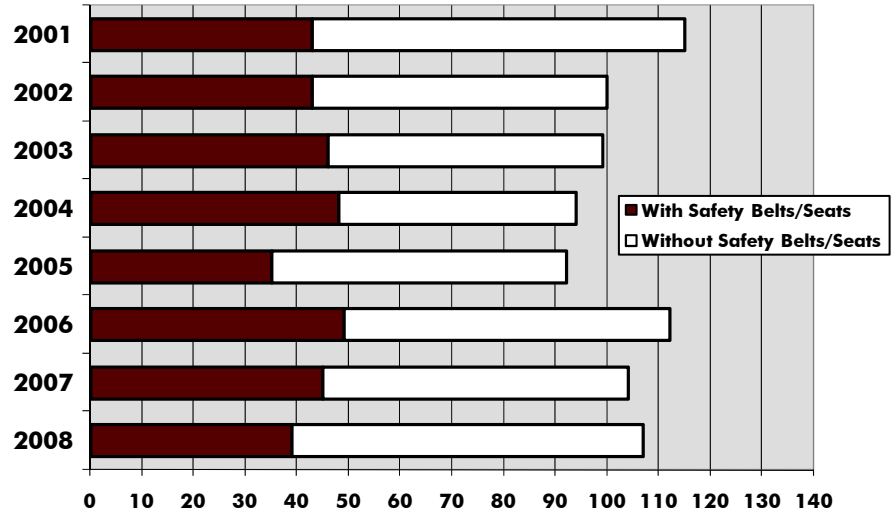
Percent of All Crashes

Crashes caused by distracted drivers/drivers that failed to maintain control of their vehicles were the most prevalent driver action in all four of the selected Virginia planning districts between 2005 and 2007. Speeding was also the second most prevalent driver action leading to crashes in all four areas.

Similar to Hampton Roads, driver distractions/drivers failing to maintain control of their vehicle led to about 40% of the fatalities in the Northern Virginia and Richmond areas. In the Roanoke area the number was much higher at over 55% of all fatalities.

HAMPTON ROADS FATALITIES – SAFETY BELTS

Hampton Roads Fatalities by Safety Belt/Seat Usage, 2001-2008



Data source: FARS.

68 fatalities without safety belts/seats in 2008

4 - 2001 to 2008

Of the 107 fatalities that occurred in motor vehicles in Hampton Roads in 2008, 68 (64%) of the persons killed were not wearing safety belts or sitting in a child safety seat. This number varied between 49% and 64% in Hampton Roads between 2001 and 2008.

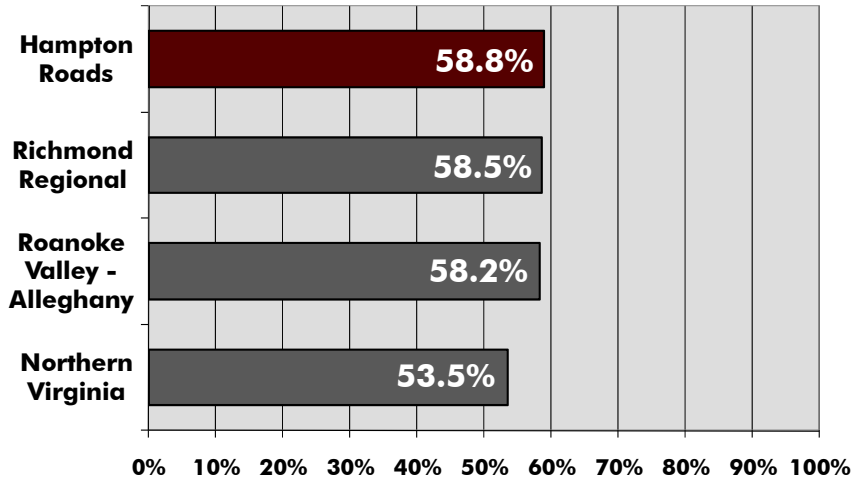
383 fatalities without safety belts/seats in 2008

75 - 2001 to 2008

60% of all persons killed in motor vehicles statewide in 2008 were not wearing safety belts or using child safety seats. Although this number decreased by 75 from 2001 to 2008, the percentage of persons killed has only varied between 56% and 62% during this time. By comparison, 79% of all travelers statewide used safety belts in 2008 according to the Virginia Transportation Research Council.

VIRGINIA FATALITIES – SAFETY BELTS

Percentage of Motor Vehicle Fatalities Where Those Killed were not Using Safety Belts in Selected Virginia Planning Districts, 2006-2008



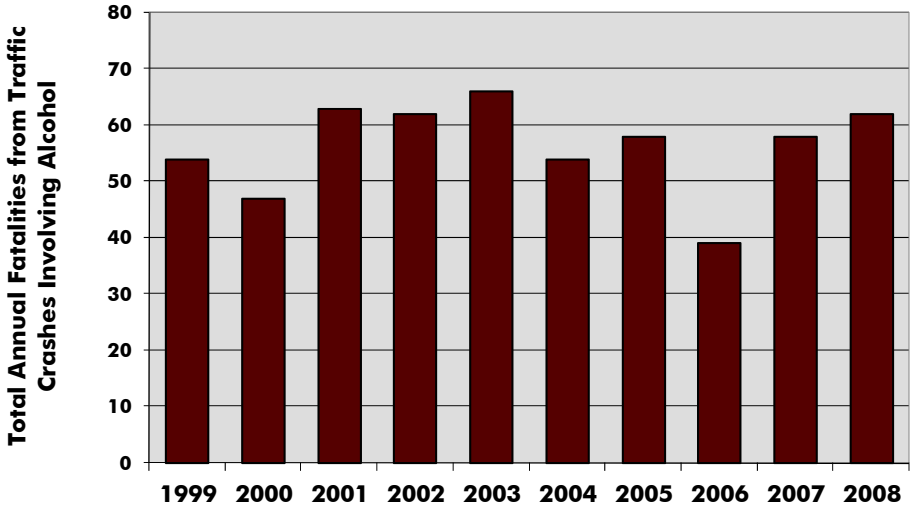
Data source: FARS.

In Hampton Roads there were 323 fatalities that occurred in motorized vehicles (excluding motorcycles, ATVs, etc.) from 2006 to 2008. 190 of the 323 people killed in motor vehicle crashes (59%) were not wearing a safety belt or in a child safety seat.

This percentage in Hampton Roads (59%) is similar to the percentage that was experienced in the Richmond (58%) and Roanoke (58%) planning districts during this time period, but was higher than the percentage experienced in Northern Virginia (54%).

HAMPTON ROADS ALCOHOL-RELATED FATALITIES

Fatalities Resulting from Traffic Crashes Involving Alcohol in Hampton Roads, 1999-2008



Data source: Virginia DMV.

* The Virginia Department of Motor Vehicles defines a traffic crash as being alcohol-related (or involving alcohol) when the police report indicates that a driver, pedestrian, or bicyclist had been drinking before the crash, regardless of the blood alcohol content.

62 alcohol-related fatalities in 2008

8 - 1999 to 2008

There were 62 fatalities that resulted from traffic crashes in Hampton Roads in 2008. This comprised 41% of all traffic crash fatalities in the region in 2008. The number of fatalities resulting from crashes involving alcohol fluctuated throughout the last decade between a low of 39 fatalities in 2006 and a high of 66 fatalities in 2003.

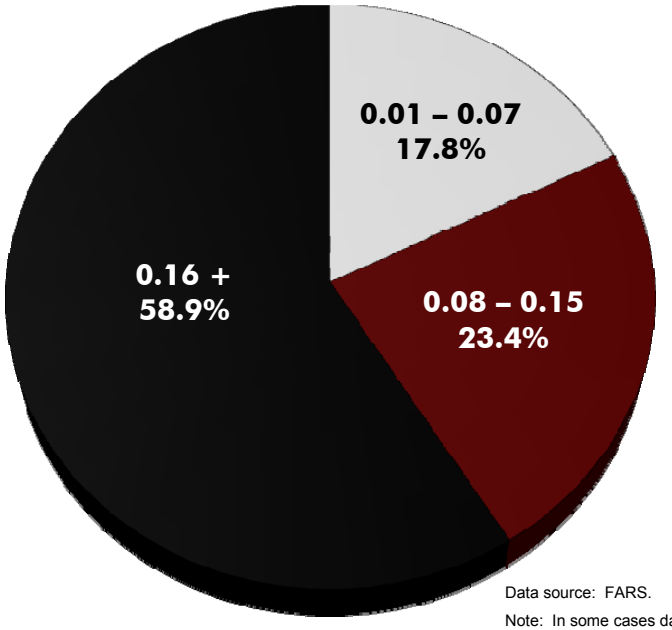
354 alcohol-related fatalities in 2008

10 - 1999 to 2008

There were 354 fatalities statewide that involved alcohol in 2008, comprising 43% of all fatalities. The number of fatalities resulting from crashes involving alcohol over the last decade ranged from a low of 322 fatalities in 2005 to a high of 378 fatalities statewide in 2007.

HAMPTON ROADS FATALITIES BY BAC

Fatalities Due to Alcohol-Related Crashes by Blood Alcohol Content in Hampton Roads, 2006-2008



Data source: FARS.

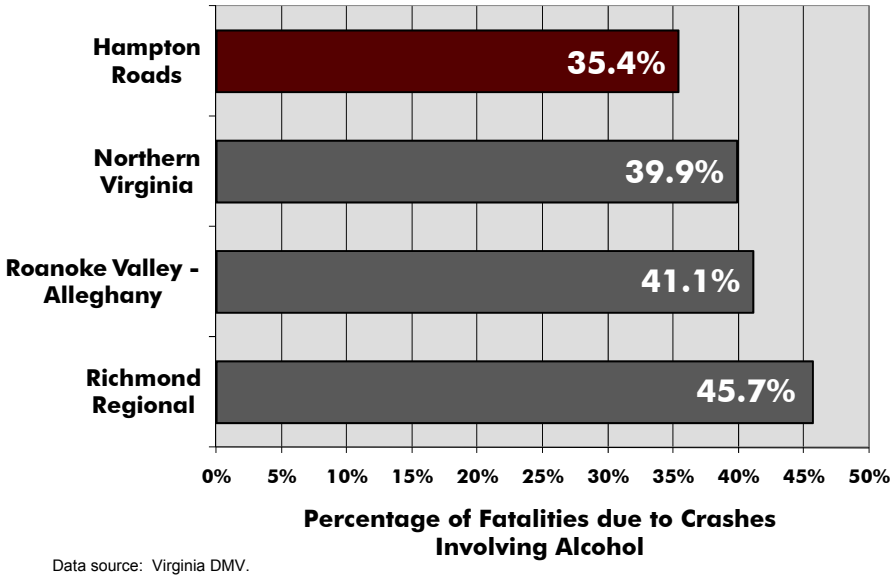
Note: In some cases data in the FARS database differs from data in the VDOT and DMV databases.

Most fatalities in Hampton Roads in 2006-2008 occurred in crashes where neither driver had a blood alcohol content (BAC) of above 0.00. However, the majority of fatalities that resulted from crashes involving alcohol occurred in crashes where at least one of the drivers had a BAC of 0.16 or higher, which is twice the legal limit in Virginia.

The statewide fatalities by BAC closely reflect the numbers seen in Hampton Roads. 58% of all fatalities in alcohol-related crashes statewide between 2006 and 2008 occurred in crashes where at least one driver had a BAC of 0.16 or higher.

VIRGINIA ALCOHOL-RELATED FATALITIES

Percentage of Fatalities Due to Alcohol-Related Crashes in Selected Virginia Planning Districts, 2006-2008



Data source: Virginia DMV.

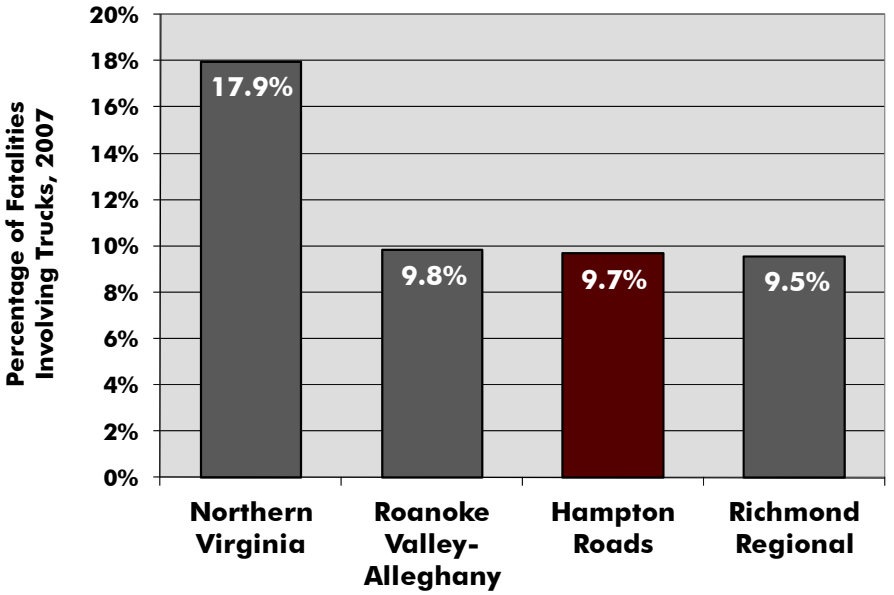
* The Virginia Department of Motor Vehicles defines a traffic crash as being alcohol-related (or involving alcohol) when the police report indicates that a driver, pedestrian, or bicyclist had been drinking before the crash, regardless of the blood alcohol content.

Between 2006 and 2008 more than one third (35.4%) of all fatalities in Hampton Roads occurred in crashes that involved alcohol. This percentage has fluctuated over the last ten years, from a low of 28% of all fatalities in 2006 to a high of 51% of all fatalities in 2003.

This percentage of fatalities occurring in alcohol-related crashes was lower in Hampton Roads than the percentage seen in the Northern Virginia (39.9%), Roanoke (41.1%), and Richmond (45.7%) planning districts during this time.

VIRGINIA FATALITIES - TRUCKS

Percentage of Fatalities That Occurred in Crashes Involving Trucks, 2007



Data source: VDOT.

Of the 155 fatalities that occurred in Hampton Roads in 2007, 15 fatalities (9.7%) occurred in crashes that involved trucks. By comparison, trucks were involved in only 4.9% of all crashes in Hampton Roads in 2007.

The percentage of fatalities that occurred in crashes with trucks in Hampton Roads was comparable to the percentage experienced in the Richmond (9.5%) and Roanoke (9.8%) planning districts but was much lower than the percentage in Northern Virginia (17.9%).

APPENDICES

APPENDIX A - SAFETY LAWS IN VIRGINIA

APPENDIX B – HAMPTON ROADS CRASH DATA

SAFETY LAWS IN VIRGINIA

According to Advocates for Highway and Auto Safety, which is an alliance of consumer, insurance, and health and safety groups that aims to improve roadway safety throughout the country, there are fifteen traffic safety laws that help reduce motor vehicle deaths and injuries. This list of fifteen traffic safety laws was produced based on government and private research, crash data, and experiences among each state. These fifteen laws are grouped among those that regulate adult occupant protection, child passenger safety, teen driving, impaired driving, and distracted driving.

Of these fifteen laws that the group recommends, Virginia currently meets or exceeds only six of these laws. 44 states and the District of Columbia currently meet or exceed more of these safety laws than the State of Virginia. None of Virginia's six neighboring states/districts meet or exceed fewer of these safety laws.

Safety Laws That Help Reduce Motor Vehicle Deaths/ Injuries

Source: Advocates for Highway and Auto Safety

Safety Law	Description	Law in VA?	# states with law
Primary Enforcement Seat Belt Law	Allows law enforcement to stop and ticket someone when they see a violation of the seat belt law.	NO	30
All-Rider Motorcycle Helmet Law	Requires all motorcycle riders, regardless of age, to use a helmet.	YES	21
Booster Seat Law	Requires, at a minimum, that children ages 4 through 7 be placed in a child restraint system.	YES	27
Minimum Age 16 for Learner's Permit	A beginning teen driver must be a minimum of 16 years of age to receive a learner's permit.	NO	9
Learner's Stage: 6 month Holding Period	A beginning teen driver must be supervised by an adult licensed driver at all times. If citation-free for 6 months, they can proceed to the intermediate stage.	YES	47
Learner's Stage: 30-50 Hours Supervised	A beginning teen driver must receive at least 30-50 hours of behind-the-wheel training with an adult licensed driver over 21 years of age.	YES	39
Inter. Stage: Night-time Driving Restriction	Prohibits nighttime driving during the learner's permit and intermediate stages.	NO	9
Intermediate Stage: Passenger Restriction	Limits the number of teenage passengers that can ride with a teen driving without adult supervision.	NO	28
Teen Cell Phone Restriction	Prohibits the use of all cellular devices except in an emergency during the learner's permit and intermediate stages.	NO	16
Age 18 for Full Licensure	All restrictions on newly-licensed teen drivers are not lifted before a minimum of 18 years of age.	YES	13
Ignition Interlock Devices	Mandates the installation of ignition interlock devices on the vehicles of all drunk driving offenders.	NO	12
Impaired Driving – Child Endangerment	Creates a separate offense or enhances an existing penalty for impaired driving that endangers a minor.	YES	46
Mandatory BAC Test for Drivers in Fatal Crashes	Requires any driver involved in a fatal crash (both those who were killed and those who survived) to have their BAC tested.	NO	25
Open Container Law	Prohibits open containers of alcoholic beverages in the passenger area of a motor vehicle.	NO	40
All-Driver Text Messaging Restriction	Restricts all drivers from text messaging and allows law enforcement to stop and ticket those in violation of this law (primary enforcement).	NO	16

Hampton Roads Crashes by Jurisdiction, 1994-2008

Number of Crashes																
Jurisdiction	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	% change 1999-2008
Chesapeake	3,007	3,063	3,331	3,281	3,251	3,373	3,193	3,104	3,141	3,274	3,594	3,652	3,442	3,364	2,977	-11.7%
Franklin	106	81	76	136	120	117	107	110	74	75	47	98	97	82	50	-57.3%
Gloucester	478	475	470	469	529	533	490	466	494	505	475	419	440	461	436	-18.2%
Hampton	3,094	3,288	3,210	3,271	2,950	3,059	3,050	3,158	3,663	4,115	3,862	3,875	3,488	3,225	3,173	3.7%
Isle of Wight	457	492	519	480	526	488	517	516	568	567	592	586	595	528	538	10.2%
James City	494	482	532	582	552	518	499	513	558	656	650	703	759	726	608	17.4%
Newport News	3,815	3,759	3,890	3,887	3,964	3,998	3,867	3,750	3,861	3,900	4,211	4,160	4,258	4,034	3,630	-9.2%
Norfolk	6,226	6,348	6,051	5,892	5,855	5,779	5,542	5,359	5,705	5,810	5,703	5,749	5,400	5,092	4,868	-15.8%
Poquoson	74	57	75	95	87	76	80	93	91	81	86	83	94	103	68	-10.5%
Portsmouth	1,868	1,710	1,701	1,796	1,624	1,778	1,729	1,691	1,928	2,061	2,036	1,718	1,753	1,294	868	-51.2%
Southampton	406	370	350	303	327	333	320	314	277	376	410	296	321	274	312	-6.3%
Suffolk	1,197	1,148	1,177	1,214	1,283	1,324	1,204	1,337	1,379	1,566	1,678	1,618	1,742	1,844	1,590	20.1%
Surry	106	112	119	100	138	117	113	111	107	115	117	141	139	127	133	13.7%
Virginia Beach	7,845	7,487	7,524	7,195	7,591	7,837	7,679	7,788	8,478	8,653	8,324	8,292	8,268	7,823	7,258	-7.4%
Williamsburg	278	250	270	222	220	238	185	215	222	204	186	186	171	236	181	-23.9%
York	808	854	854	866	907	894	857	868	896	1,089	1,137	1,053	1,052	1,063	909	1.7%
Hampton Roads	30,259	29,976	30,149	29,789	29,924	30,462	29,432	29,393	31,442	33,047	33,108	32,629	32,019	30,276	27,599	-9.4%
Virginia	126,637	127,126	131,088	129,980	136,138	139,573	141,650	144,585	147,737	154,848	153,907	153,849	151,692	145,405	135,282	-3.1%
% of state	23.9%	23.6%	23.0%	22.9%	22.0%	21.8%	20.8%	20.3%	21.3%	21.3%	21.5%	21.2%	21.1%	20.8%	20.4%	
United States	6,496,000	6,699,000	6,770,000	6,624,000	6,335,000	6,279,000	6,394,000	6,323,000	6,316,000	6,289,000	6,143,000	6,159,000	5,974,000	6,024,000	5,811,000	-7.5%

Data sources: National Highway Traffic Safety Administration (NHTSA), Virginia DMV.

Hampton Roads Fatalities by Jurisdiction, 1994-2008

Number of Fatalities																
Jurisdiction	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	% change 1999-2008
Chesapeake	20	21	13	21	26	10	12	20	19	17	13	21	26	25	15	50.0%
Franklin	0	0	0	0	0	0	2	1	0	0	0	0	0	1	0	
Gloucester	7	5	4	4	5	2	3	9	5	4	3	7	11	5	12	500.0%
Hampton	10	3	10	5	4	13	5	6	10	9	14	3	8	11	14	7.7%
Isle of Wight	8	4	11	7	12	9	6	7	5	7	7	6	10	11	9	0.0%
James City	4	2	4	7	6	4	7	4	6	5	6	8	7	4	9	125.0%
Newport News	11	16	16	15	16	11	11	10	11	13	12	13	8	13	9	-18.2%
Norfolk	17	24	17	27	20	24	22	25	10	15	13	15	18	10	19	-20.8%
Poquoson	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
Portsmouth	8	5	9	11	12	7	4	5	9	7	11	1	5	2	4	-42.9%
Southampton	14	13	13	9	7	8	8	7	3	4	8	10	8	10	4	-50.0%
Suffolk	14	9	12	8	24	13	13	17	20	8	16	8	12	26	17	30.8%
Surry	2	3	4	4	4	1	6	1	1	2	1	4	2	4	2	100.0%
Virginia Beach	25	20	31	24	20	24	24	31	27	27	22	31	22	25	31	29.2%
Williamsburg	1	0	0	0	2	1	0	0	1	0	0	0	0	0	0	-100.0%
York	11	17	0	8	11	3	9	10	9	11	5	12	4	8	8	166.7%
Hampton Roads	152	142	145	150	169	130	132	153	136	129	131	139	141	155	153	17.7%
Virginia	925	900	869	981	934	877	930	935	913	942	922	946	961	1,026	821	-6.4%
% of state	16.4%	15.8%	16.7%	15.3%	18.1%	14.8%	14.2%	16.4%	14.9%	13.7%	14.2%	14.7%	14.7%	15.1%	18.6%	
United States	40,716	41,817	42,065	42,013	41,501	41,717	41,945	42,196	43,005	42,884	42,836	43,510	42,708	41,259	37,261	-10.7%

Data sources: National Highway Traffic Safety Administration (NHTSA), Virginia DMV.

Hampton Roads Injuries by Jurisdiction, 1994-2008

Number of Injuries																
Jurisdiction	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	% change 1999-2008
Chesapeake	2,189	2,182	2,425	2,356	2,281	2,397	2,198	2,162	2,095	2,106	2,279	2,167	2,084	2,126	1,924	-19.7%
Franklin	71	48	43	65	85	74	59	51	31	37	14	64	49	36	32	-56.8%
Gloucester	432	423	403	400	447	430	396	347	407	365	360	317	327	345	355	-17.4%
Hampton	2,150	2,095	2,130	2,127	1,922	1,926	1,833	1,914	1,963	1,961	1,677	1,785	1,465	1,349	1,530	-20.6%
Isle of Wight	416	419	451	422	372	421	382	381	370	354	341	395	311	306	330	-21.6%
James City	363	377	348	350	337	313	324	366	383	385	384	403	375	373	323	3.2%
Newport News	2,830	2,604	2,728	2,573	2,584	2,492	2,241	2,212	2,287	2,279	2,532	2,418	2,235	1,844	1,965	-21.1%
Norfolk	4,154	4,123	3,600	3,633	3,400	3,137	3,008	2,906	3,062	3,053	2,951	2,664	2,624	2,246	2,448	-22.0%
Poquoson	30	21	42	50	34	41	25	58	54	35	30	35	40	37	23	-43.9%
Portsmouth	1,401	1,353	1,357	1,403	1,301	1,338	1,269	1,111	1,209	1,274	1,265	942	871	648	485	-63.8%
Southampton	347	338	320	271	255	266	284	260	219	262	263	239	243	209	205	-22.9%
Suffolk	1,135	1,111	1,078	1,046	1,109	995	880	1,006	941	1,033	1,066	1,010	1,106	921	787	-20.9%
Surry	86	87	85	71	94	84	68	69	60	59	66	84	69	58	76	-9.5%
Virginia Beach	5,024	4,685	4,362	4,220	4,360	4,431	4,241	4,057	4,009	4,066	3,771	3,705	3,563	3,347	3,345	-24.5%
Williamsburg	132	142	133	127	95	121	103	108	103	119	99	99	94	95	99	-18.2%
York	616	631	586	553	658	545	549	555	592	677	717	672	570	554	538	-1.3%
Hampton Roads	21,376	20,639	20,091	19,667	19,334	19,011	17,860	17,563	17,785	18,065	17,815	16,999	16,026	14,494	14,465	-23.9%
Virginia	82,146	82,400	82,363	81,866	81,221	81,204	79,806	80,187	78,896	78,842	78,487	76,023	73,348	68,822	69,130	-14.9%
% of state	26.0%	25.0%	24.4%	24.0%	23.8%	23.4%	22.4%	21.9%	22.5%	22.9%	22.7%	22.4%	21.8%	21.1%	20.9%	
United States	3,266,000	3,465,000	3,483,000	3,348,000	3,192,000	3,236,000	3,189,000	3,033,000	2,926,000	2,889,000	2,788,000	2,699,000	2,575,000	2,491,000	2,346,000	-27.5%

Data sources: National Highway Traffic Safety Administration (NHTSA), Virginia DMV.

Hampton Roads Alcohol-Related Crashes by Jurisdiction, 1994-2008

Number of Alcohol Related Crashes																
Jurisdiction	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	% change 1999-2008
Chesapeake	275	247	268	256	230	244	234	246	273	259	234	258	253	294	237	-2.9%
Franklin	7	6	7	8	8	5	8	7	3	7	2	6	10	8	4	-20.0%
Gloucester	55	58	49	46	46	51	45	51	56	52	57	44	43	50	51	0.0%
Hampton	277	275	249	271	254	212	204	230	232	255	269	261	249	236	227	7.1%
Isle of Wight	69	54	56	62	51	73	60	69	76	64	60	62	60	53	71	-2.7%
James City	53	42	40	46	40	36	41	43	42	41	41	61	45	50	46	27.8%
Newport News	324	312	283	297	311	266	253	257	278	227	282	271	267	236	229	-13.9%
Norfolk	619	570	521	515	456	435	394	399	463	454	414	418	383	414	301	-30.8%
Poquoson	10	3	4	11	9	4	5	9	4	8	8	8	4	9	9	125.0%
Portsmouth	224	167	169	156	136	155	134	111	158	148	181	144	155	122	61	-60.6%
Southampton	60	54	40	37	47	47	43	33	32	41	35	34	28	24	22	-53.2%
Suffolk	128	138	134	115	119	124	114	117	107	81	125	114	129	126	130	4.8%
Surry	23	17	21	16	13	16	16	14	13	18	11	22	10	17	8	-50.0%
Virginia Beach	739	698	656	622	579	659	583	624	689	667	780	700	738	630	612	-7.1%
Williamsburg	15	15	15	11	9	11	9	14	12	14	14	9	11	11	15	36.4%
York	83	69	81	71	78	72	71	78	64	56	71	84	69	76	70	-2.8%
Hampton Roads	2,961	2,725	2,593	2,540	2,386	2,410	2,214	2,302	2,502	2,392	2,584	2,496	2,454	2,356	2,093	-13.2%
Virginia	11,997	11,400	11,220	11,340	11,027	10,942	11,085	11,265	11,788	11,388	11,504	11,495	11,736	11,215	10,294	-5.9%
% of state	24.7%	23.9%	23.1%	22.4%	21.6%	22.0%	20.0%	20.4%	21.2%	21.0%	22.5%	21.7%	20.9%	21.0%	20.3%	
United States	390,000	470,000	460,000	470,000	438,000	457,000	508,000	438,000								-100.0%

Data sources: National Highway Traffic Safety Administration (NHTSA), Virginia DMV. United States data not available after 2001.

Hampton Roads Alcohol-Related Fatalities by Jurisdiction, 1994-2008

Number of Alcohol Related Fatalities																
Jurisdiction	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	% change 1999-2008
Chesapeake	9	4	6	1	8	3	5	10	7	6	3	9	3	7	2	-33.3%
Franklin	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	
Gloucester	4	2	1	2	3	1	1	4	3	2	2	2	4	2	9	800.0%
Hampton	6	1	4	0	4	5	2	4	8	5	10	1	3	5	5	0.0%
Isle of Wight	3	2	4	3	3	3	1	3	1	6	3	1	5	2	3	0.0%
James City	2	1	1	0	0	4	2	1	2	1	2	2	1	0	3	-25.0%
Newport News	4	10	5	5	4	5	2	2	5	9	3	7	0	4	4	-20.0%
Norfolk	11	11	9	4	5	9	7	8	5	6	5	7	0	6	11	22.2%
Poquoson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Portsmouth	4	2	3	5	6	1	2	3	6	6	3	0	1	2	1	0.0%
Southampton	6	2	3	1	3	4	4	3	1	2	4	5	2	2	0	-100.0%
Suffolk	6	4	5	4	9	2	2	6	8	1	5	6	3	10	5	150.0%
Surry	2	1	3	1	1	1	3	0	0	0	0	2	0	1	1	0.0%
Virginia Beach	9	7	12	9	6	14	11	16	13	17	11	10	15	14	16	14.3%
Williamsburg	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
York	4	6	0	3	3	2	3	3	3	5	3	6	2	2	2	0.0%
Hampton Roads	71	53	56	38	56	54	47	63	62	66	54	58	39	58	62	14.8%
Virginia	376	360	346	302	336	364	355	358	375	361	343	322	374	378	354	-2.7%
% of state	18.9%	14.7%	16.2%	12.6%	16.7%	14.8%	13.2%	17.6%	16.5%	18.3%	15.7%	18.0%	10.4%	15.3%	17.5%	
United States	17,308	17,732	17,749	16,711	16,673	16,572	17,380	17,448	17,524	17,105	16,919	17,590	17,738	17,158	15,438	-6.8%

Data sources: National Highway Traffic Safety Administration (NHTSA), Virginia DMV.

Hampton Roads Alcohol-Related Injuries by Jurisdiction, 1994-2008

Number of Alcohol Related Injuries																
Jurisdiction	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	% change 1999-2008
Chesapeake	274	179	237	235	196	208	210	204	232	188	207	192	139	232	194	-6.7%
Franklin	3	2	2	8	6	8	5	3	3	3	2	3	1	5	3	-62.5%
Gloucester	53	62	54	33	50	36	45	46	56	53	59	37	37	40	64	77.8%
Hampton	226	198	217	218	192	163	157	168	128	172	119	158	121	118	137	-16.0%
Isle of Wight	65	41	60	75	31	83	59	64	65	52	42	53	43	32	60	-27.7%
James City	48	33	32	28	25	25	48	34	52	33	29	24	25	44	31	24.0%
Newport News	299	281	271	230	241	218	177	188	213	153	223	173	187	178	150	-31.2%
Norfolk	511	475	416	403	360	318	270	267	305	272	311	231	221	259	177	-44.3%
Poquoson	6	1	4	7	6	2	2	6	4	4	4	4	3	3	9	350.0%
Portsmouth	201	137	180	129	114	140	125	77	99	109	122	82	91	65	38	-72.9%
Southampton	52	59	36	43	33	45	38	25	32	24	30	40	34	25	22	-51.1%
Suffolk	121	144	117	126	122	111	112	99	113	74	117	97	107	92	88	-20.7%
Surry	23	13	14	18	13	15	7	11	5	10	8	17	6	9	8	-46.7%
Virginia Beach	590	597	536	489	417	447	399	414	422	395	472	396	393	341	375	-16.1%
Williamsburg	3	9	13	5	3	4	3	8	6	10	14	2	8	6	8	100.0%
York	68	45	64	48	71	57	57	60	45	42	59	71	46	42	37	-35.1%
Hampton Roads	2,543	2,276	2,253	2,095	1,880	1,880	1,714	1,674	1,780	1,594	1,818	1,580	1,462	1,491	1,401	-25.5%
Virginia	10,258	9,381	9,083	9,124	8,555	8,359	8,251	8,211	8,465	7,819	7,911	7,512	7,543	7,130	7,000	-16.3%
% of state	24.8%	24.3%	24.8%	23.0%	22.0%	22.5%	20.8%	20.4%	21.0%	20.4%	23.0%	21.0%	19.4%	20.9%	20.0%	
United States	297,000	300,000	321,000	327,000	305,000	308,000	310,000	275,000	258,000	275,000	248,000	254,000				-100.0%

Data sources: National Highway Traffic Safety Administration (NHTSA), Virginia DMV. United States data not available after 2005.