Hampton Roads Regional Safety Study

Crash Data and Trends

T06-02

Congestion Management System

HAMPTON ROADS
PLANNING DISTRICT COMMISSION

April 2006

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HAMPTON ROADS REGIONAL SAFETY STUDY:

GENERAL CRASH DATA AND TRENDS

This report was included in the Work Program for Fiscal Year 2005-2006, which was approved by the Commission and the Metropolitan Planning Organization at their meetings of March 16, 2005.

PREPARED BY:

HAMPTON ROADS
PLANNING DISTRICT COMMISSION

APRIL 2006

T06-02

REPORT DOCUMENTATION

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

REPORT DATE
April 2006

GRANT/SPONSORINGAGENCY
FHWA/VDOT/LOCAL FUNDS

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ABSTRACT

In 2001 the Hampton Roads Planning District Commission (HRPDC) 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 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 for those localities within the HRPDC. Comparisons are also made with statewide and national data.

ACKNOWLEDGMENTS

This report was prepared by the Hampton Roads Planning District Commission (HRPDC) 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 staff of the Hampton Roads Area Metropolitan Planning Organization (MPO). The MPO staff 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 HRPDC. 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 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.

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QUICK CRASH FACTS

CRASHES

- There were **33,108 traffic crashes** reported in Hampton Roads in 2004. That is an average of 90 crashes throughout the region every day of the year, or one crash every 16 minutes.
- There were **2.28 crashes per million vehicle-miles of travel** in Hampton Roads in 2004. This rate was the highest among a group including the Northern Virginia, Richmond and Roanoke planning districts.
- One out of every thirteen crashes in Hampton Roads in 2004 involved alcohol.
- The most prevalent actions leading to traffic crashes in Hampton Roads in 2004 were following too closely, driver distracted/failed to maintain control, and failure to yield the right-of-way.

INJURIES

- There were **17,815 injuries** resulting from traffic crashes in Hampton Roads in 2004. That is an average of 48 injuries every day of the year, or one injury every 30 minutes.
- There were **1.23 injuries per million vehicle-miles of travel** in Hampton Roads in 2004. This rate was also the highest among a group including the Northern Virginia, Richmond, and Roanoke planning districts.

FATALITIES

- There were **131 fatalities** resulting from traffic crashes in Hampton Roads in 2004. That is an average of one fatality every 2.8 days of the year.
- There were **0.90 fatalities per 100 million vehicle-miles of travel** in Hampton Roads in 2004. This rate was higher than Northern Virginia but lower than the Richmond and Roanoke planning districts. The fatality rate was lower in Hampton Roads than in most comparably sized metropolitan areas nationwide.
- 54 of the 131 fatalities (41%) in Hampton Roads in 2004 were the result of traffic crashes that involved alcohol. On average, one person was killed each week in Hampton Roads as the result of a crash involving alcohol.

INTRODUCTION

In 2001 the Hampton Roads Planning District Commission (HRPDC) 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.

Since the inception of the Hampton Roads Regional Safety Study, roadway safety and safety conscious planning have taken on a more prominent role both locally and nationally. The recent federal surface transportation reauthorization package significantly increases roadway safety funding levels and planning requirements. The state of Virginia has also implemented various safety initiatives in recent years, including the Highway Safety Corridor Program.

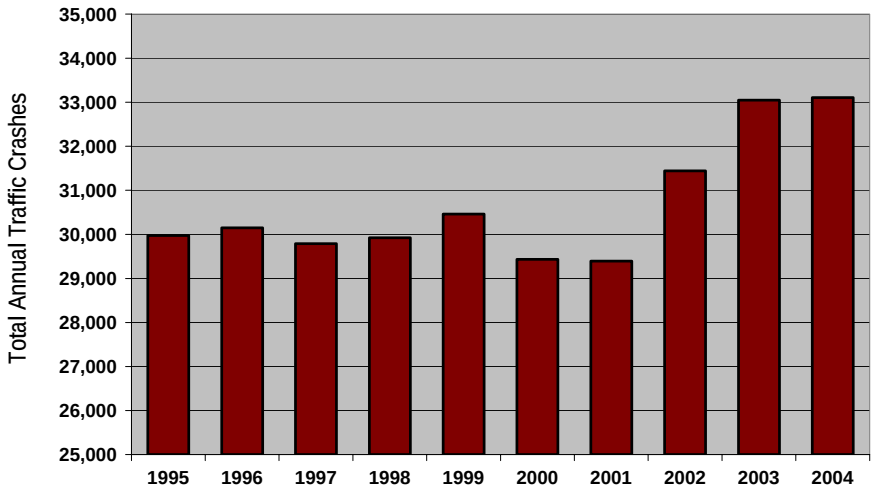
This report updates the General Crash Data and Trends portion of the Hampton Roads Regional Safety Study. Trends are analyzed for crashes, injuries and fatalities on a regional and jurisdictional level for those localities within the HRPDC (see map below). Comparisons are also made with statewide and national data.

Hampton Roads Planning District Commission Jurisdictions

TRAFFIC CRASHES

HAMPTON ROADS TRAFFIC CRASHES

Hampton Roads Annual Traffic Crashes*, 1995-2004



Data source: Virginia DMV.

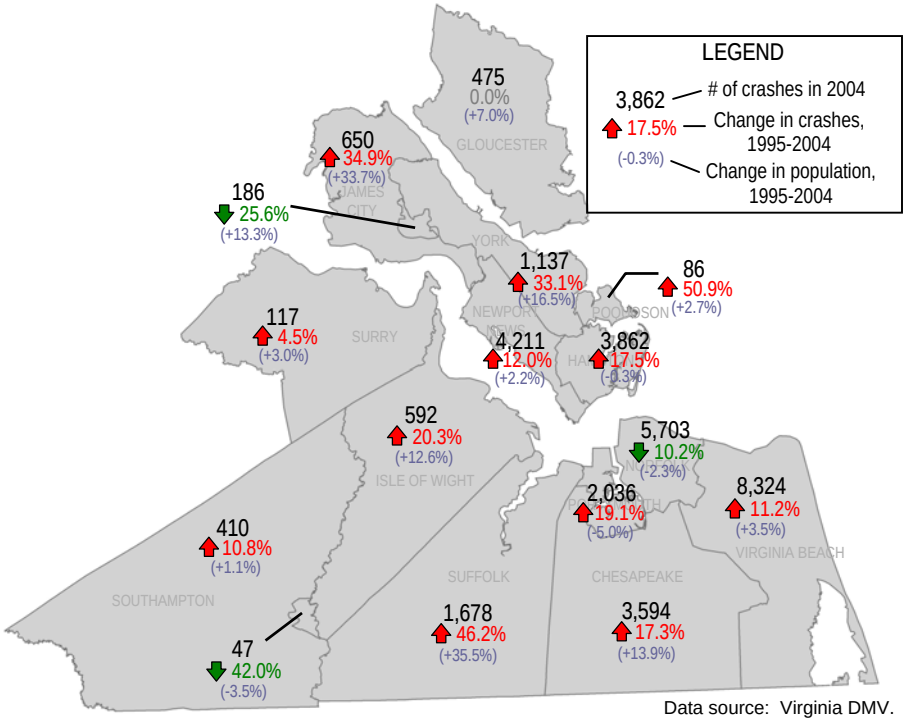
* A reported traffic crash according to the Virginia Department of Motor Vehicles includes all crashes on public roadways that involve a fatality, injury, or estimated property damage of at least $1,000.

Hampton Roads: There were 33,108 traffic crashes reported in Hampton Roads in 2004. This is an average of 90 crashes every day of the year, or one crash every 16 minutes. The number of traffic crashes in Hampton Roads increased 11.2% between 1995 and 2004, with all of this increase occurring over the last three years.

Statewide: The number of traffic crashes in Virginia increased 21.1% between 1995 and 2004, outpacing Hampton Roads.

TRAFFIC CRASHES BY JURISDICTION

Traffic Crashes and Trends by PDC Jurisdiction, 1995-2004

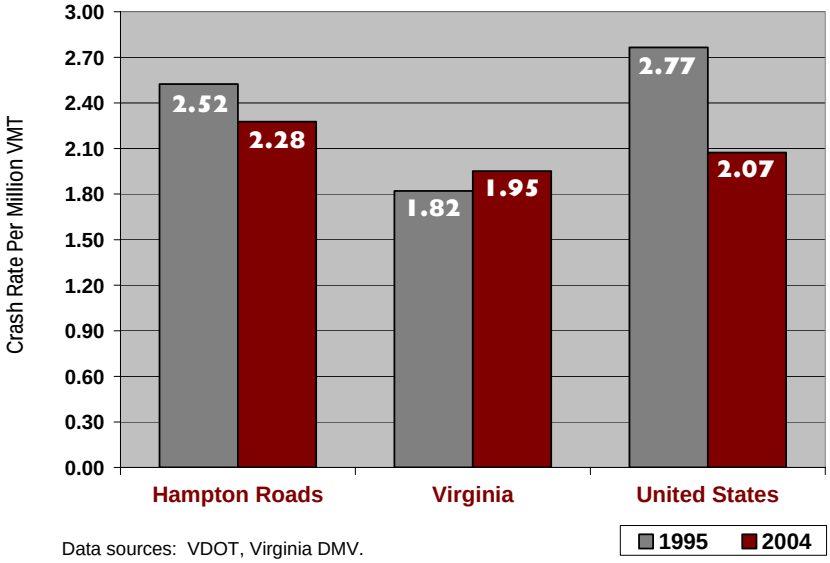


Data source: Virginia DMV.

Hampton Roads: Of the 16 jurisdictions in the Hampton Roads PDC, 12 experienced an increase in the number of crashes between 1995 and 2004. Poquoson had the largest percentage increase in crashes between 1995 and 2004 at 50.9%, while Franklin had the largest percentage decrease in crashes during this time period at -42.0%. 12 of the 16 jurisdictions in Hampton Roads experienced higher growth in the number of crashes than population growth between 1995 and 2004.

HAMPTON ROADS TRAFFIC CRASH RATES

Traffic Crash Rates in Hampton Roads, Virginia, and the United States, 1995 and 2004



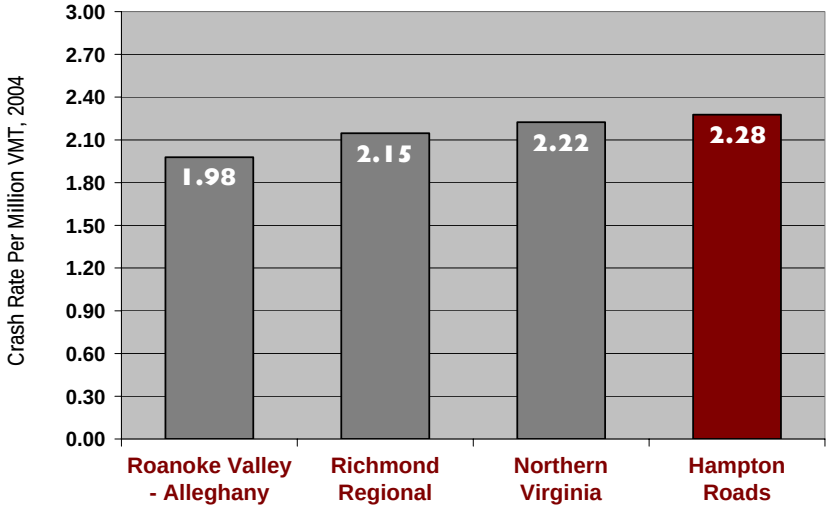
Data sources: VDOT, Virginia DMV.

Hampton Roads: The traffic crash rate in Hampton Roads was 2.28 crashes per million vehicle-miles of travel in 2004. This is a 9% decrease from 1995, when the crash rate in Hampton Roads was 2.51 crashes per million VMT.

Comparison to other areas: The traffic crash rate was higher in Hampton Roads than in Virginia and the United States in 2004, although the crash rate increased in the state of Virginia between 1995 and 2004.

VIRGINIA TRAFFIC CRASH RATES

Traffic Crash Rates in Selected Virginia Planning Districts, 2004

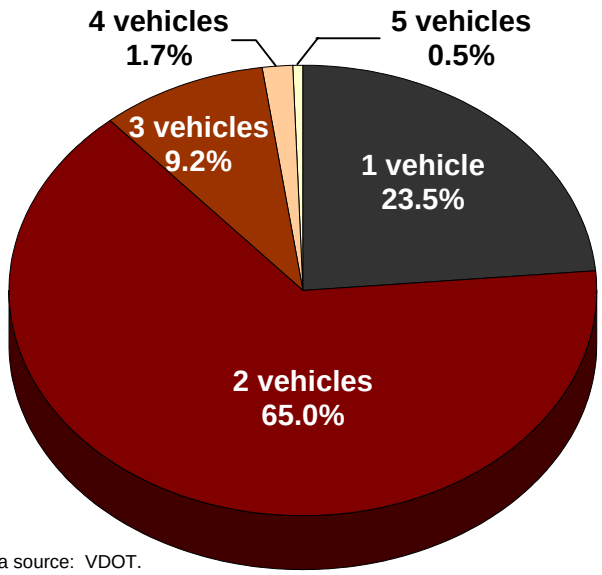


Data sources: VDOT, Virginia DMV.

Comparison to other areas: Hampton Roads had a higher crash rate in 2004 than the Northern Virginia, Richmond Regional, and Roanoke Valley-Alleghany planning districts. All four of the planning districts had higher crash rates than the statewide average of 1.95 crashes per million VMT in 2004.

HAMPTON ROADS CRASHES – NUMBER OF VEHICLES

Hampton Roads Crashes by Number of Vehicles Involved
2002-2004



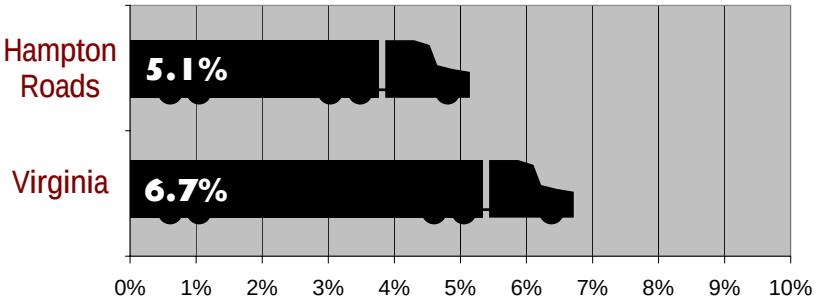
Data source: VDOT.

Hampton Roads: Among crashes in Hampton Roads between 2002 and 2004, those that involved two vehicles were the most prevalent (65.0%). Single vehicle crashes were the second most prevalent at 23.5% of all crashes.

Statewide: Between 2002 and 2004, single vehicle crashes were more prevalent statewide (31.2%) than in Hampton Roads, while two vehicle crashes were less prevalent (59.7%).

HAMPTON ROADS CRASHES – TRUCKS

Percent of All Crashes That Involved Trucks*, 2004



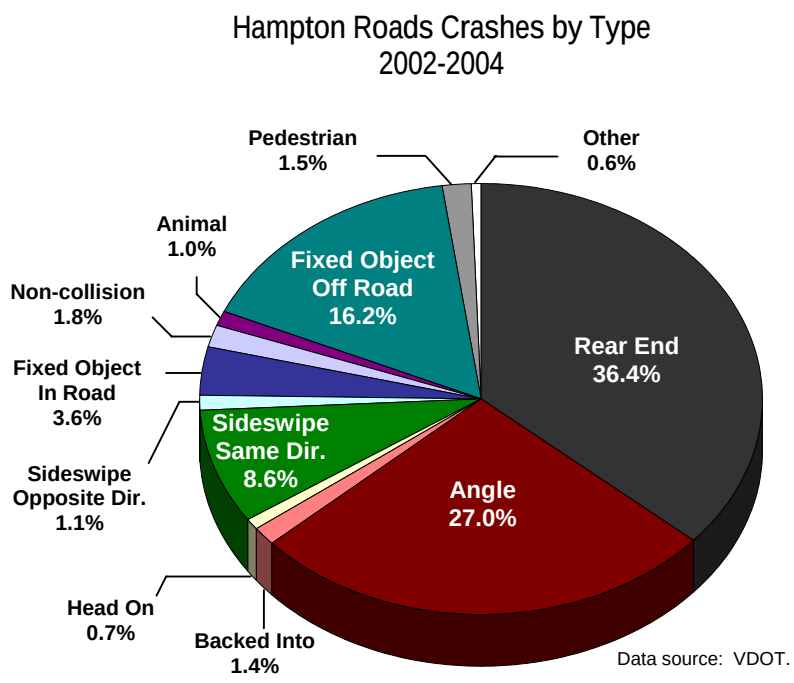
Data sources: VDOT, Virginia DMV.

* Trucks include both straight trucks and tractor-trailers.

Hampton Roads: In 2004, 5.1% of all traffic crashes in Hampton Roads involved trucks. This is a slight increase from 1998 when 4.8% of all traffic crashes in Hampton Roads involved trucks.

Statewide: In Virginia in 2004, 6.7% of all traffic crashes involved trucks.

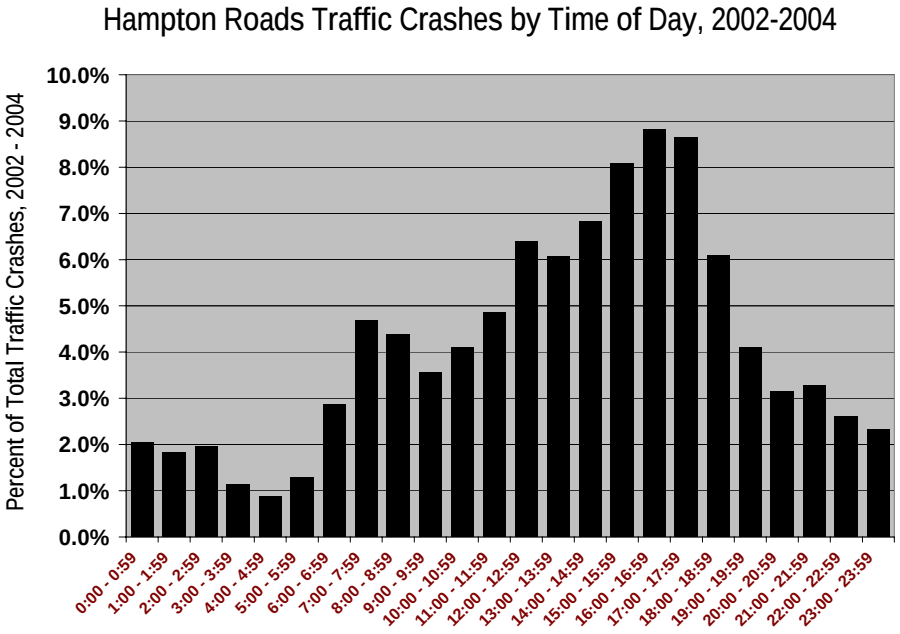
HAMPTON ROADS CRASHES – CRASH TYPE



Hampton Roads: The primary crash types in Hampton Roads between 2002 and 2004 were rear end (36.4%), angle (27.0%), and fixed object off road crashes (16.2%).

Statewide: Between 2002 and 2004, rear end (30.8%), angle (24.0%) and fixed object off road crashes (20.8%) were also the three most prevalent crash types statewide.

HAMPTON ROADS CRASHES – TIME OF DAY

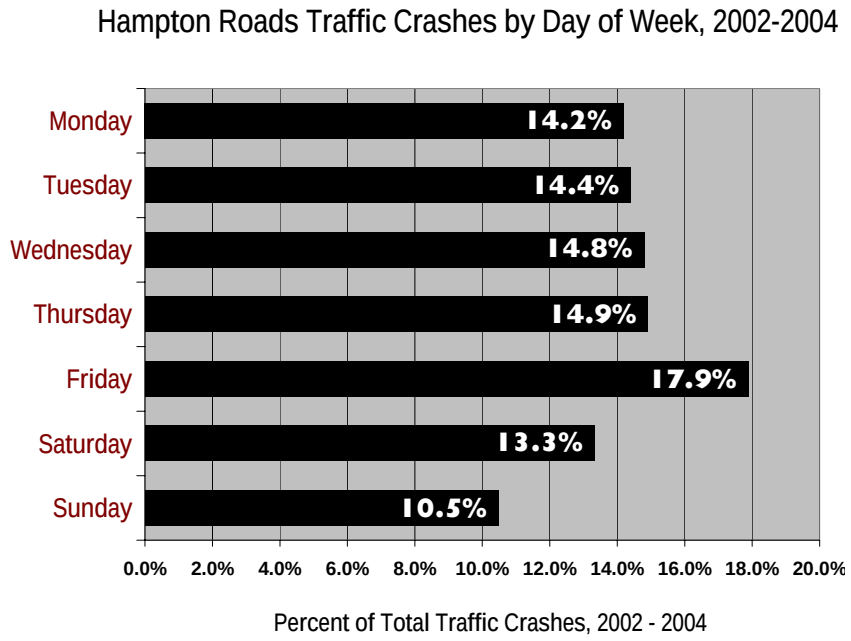


Data source: VDOT.

Hampton Roads: Between 2002 and 2004, the hours with the highest percentage of crashes in Hampton Roads were during the afternoon peak travel period, 3 pm to 6 pm. Over 25% of all crashes in Hampton Roads occurred during this time period.

Statewide: The hours with the highest percentage of crashes statewide were also between 3 pm to 6 pm. Between 2002 and 2004, 24% of all crashes statewide occurred during this time period.

HAMPTON ROADS CRASHES – DAY OF WEEK

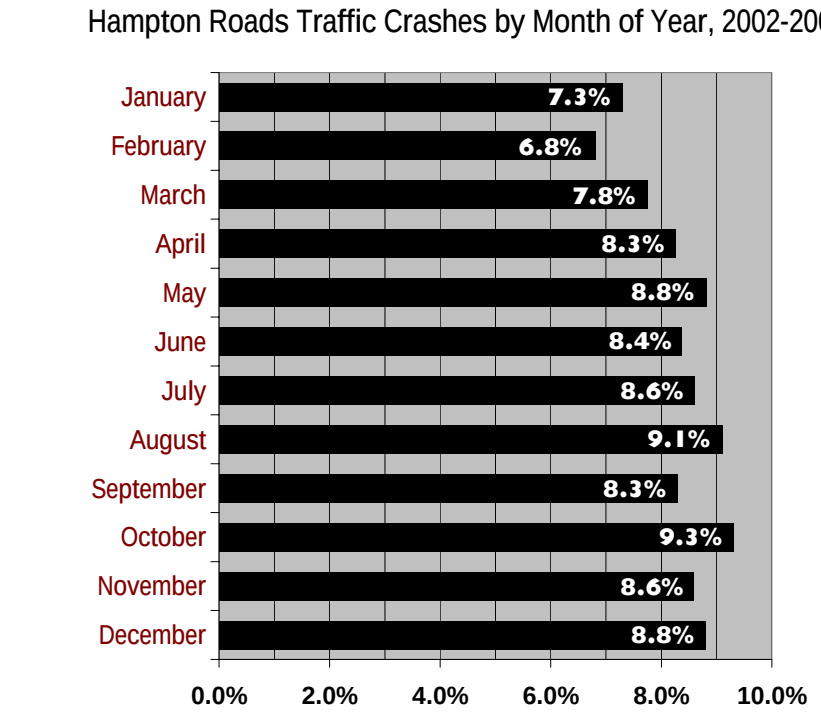


Data source: VDOT.

Hampton Roads: Friday had a higher percentage of crashes (17.9%) than any other day of the week in Hampton Roads between 2002 and 2004. Monday through Thursday each had a similar number of crashes, and each weekday had a higher percentage of crashes than Saturday and Sunday.

Statewide: Friday was also the day with the most crashes statewide (17.5%) between 2002 and 2004.

HAMPTON ROADS CRASHES – MONTH OF YEAR



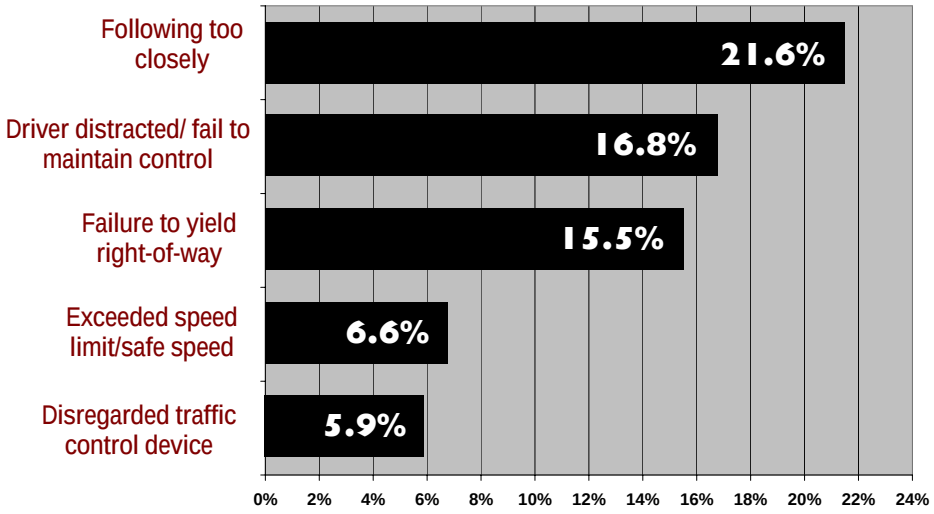
Data source: VDOT.

Hampton Roads: The month of October had the most traffic crashes in Hampton Roads between 2002 and 2004. The months of August, May, and December had the second, third, and fourth highest number of crashes, respectively. Other than a decrease in the winter months, there was no discernable difference in the number of crashes in each season.

Statewide: The months of November, October, December, and May, respectively, had the highest number of traffic crashes between 2002 and 2004.

HAMPTON ROADS CRASHES – DRIVER ACTION

Most Prevalent Driver Actions Preceding Traffic Crashes in Hampton Roads, 2002-2004



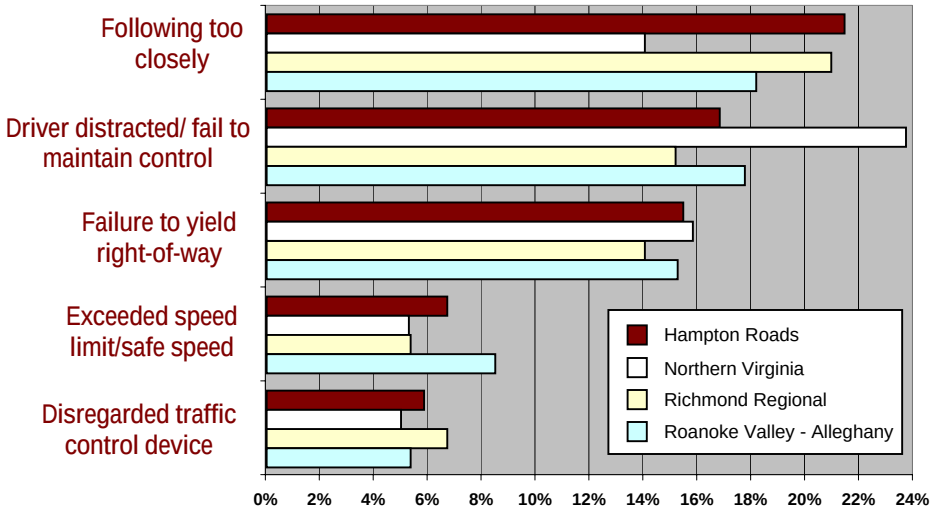
Data source: VDOT.

Hampton Roads: The most prevalent driver actions preceding traffic crashes in Hampton Roads between 2002 and 2004 was following too closely. The next most prevalent driver actions were driver distractions/failure to maintain control, failure to yield the right-of-way, exceeded speed limit/safe speed, and disregarded traffic control device.

Statewide: The most common driver actions resulting in crashes statewide between 2002 and 2004 were following too close, failure to yield right of way, exceeding the speed limit/safe speed, and driver distractions/failure to maintain control.

VIRGINIA CRASHES – DRIVER ACTION

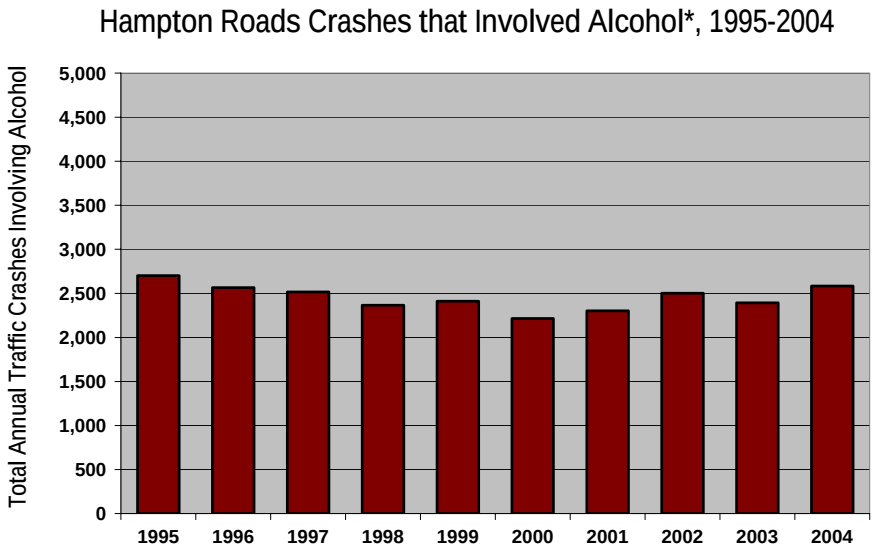
Most Prevalent Driver Actions Preceding Traffic Crashes in Selected Virginia Planning Districts, 2002-2004



Data source: VDOT.

Comparison to other areas: A higher percentage of crashes in Hampton Roads were due to drivers following too closely than in the Northern Virginia, Richmond Regional, and Roanoke Valley-Alleghany planning districts between 2002 and 2004. Following too closely also caused the highest percentage of crashes in the Richmond Regional and Roanoke Valley-Alleghany planning districts, while driver distractions/failure to maintain control caused the highest percentage of crashes in the Northern Virginia planning district.

HAMPTON ROADS ALCOHOL-RELATED CRASHES



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, bicyclist, or pedestrian had been drinking before the crash, regardless of blood alcohol content.

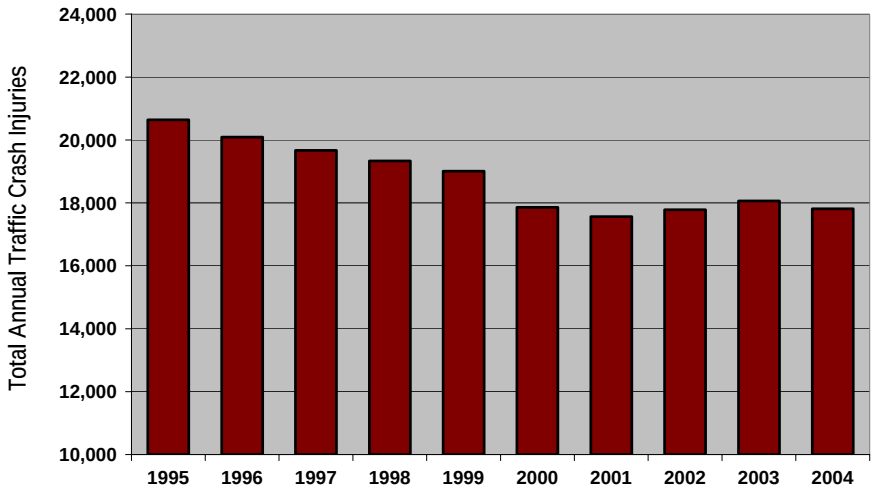
Hampton Roads: There were 2,584 alcohol-related crashes in Hampton Roads in 2004. 7.8% of all crashes that occurred in the region in 2004 involved alcohol, down from 9.1% in 1995. Although the percentage decreased, the number of alcohol-related crashes did not vary much in Hampton Roads between 1995 and 2004.

Statewide: 7.5% of all crashes statewide involved alcohol in 2004. This number decreased from 9.0% of all crashes in 1995, although the total number of alcohol-related crashes did not vary significantly statewide between 1995 and 2004.

TRAFFIC CRASH INJURIES

HAMPTON ROADS INJURIES

Hampton Roads Annual Traffic Crash Injuries*, 1995-2004



Data source: Virginia DMV.

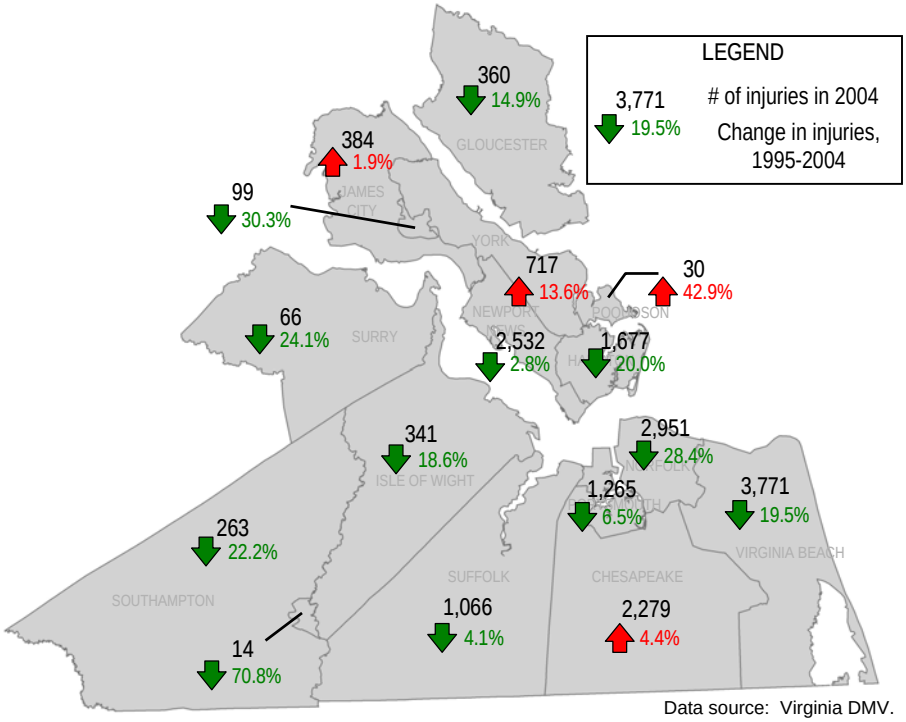
* An injury traffic crash is defined by the Virginia Department of Motor Vehicles as any crash that involves at least one injury, but results in no fatalities within 30 days of the crash.

Hampton Roads: There were 17,815 injuries as the result of traffic crashes in Hampton Roads in 2004. An injury resulting from traffic crashes occurred on average every 30 minutes in the region during 2004. In spite of increased travel in the region, the number of injuries resulting from traffic crashes in Hampton Roads steadily decreased between 1995 and 2004 (-13.7%).

Statewide: The number of injuries resulting from traffic crashes decreased 4.7% statewide between 1995 and 2004, less than the decrease experienced in Hampton Roads.

HAMPTON ROADS INJURIES BY JURISDICTION

Traffic Injuries and Trends by PDC Jurisdiction, 1995-2004

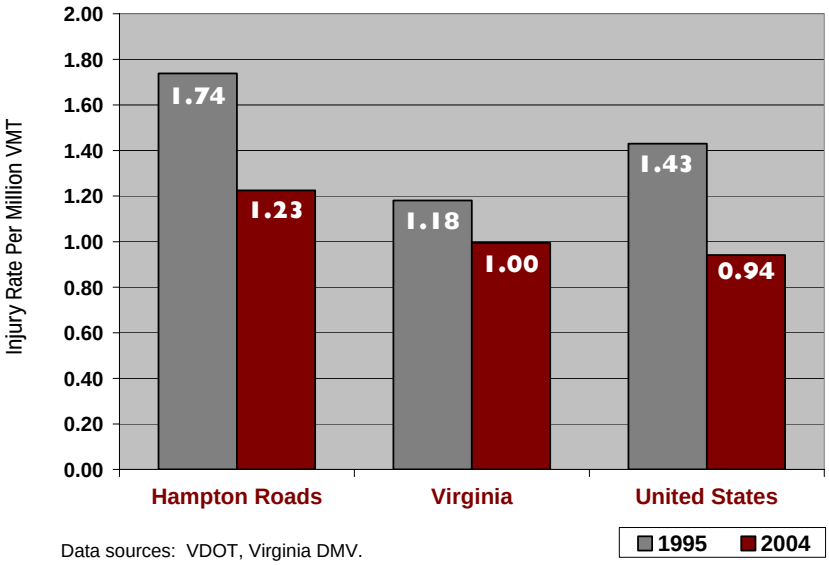


Data source: Virginia DMV.

Hampton Roads: Of the 16 jurisdictions in the Hampton Roads PDC, 4 experienced an increase in injuries between 1995 and 2004, while 12 experienced a decrease. This occurred in spite of the fact that 12 jurisdictions experienced an increase in crashes during this time period. Poquoson had the largest increase in the number of injuries between 1995 and 2004 at 42.9%, while Franklin had the largest decrease during this time period at -70.8%.

HAMPTON ROADS INJURY RATES

Traffic Crash Injury Rates in Hampton Roads, Virginia, and the United States, 1995 and 2004



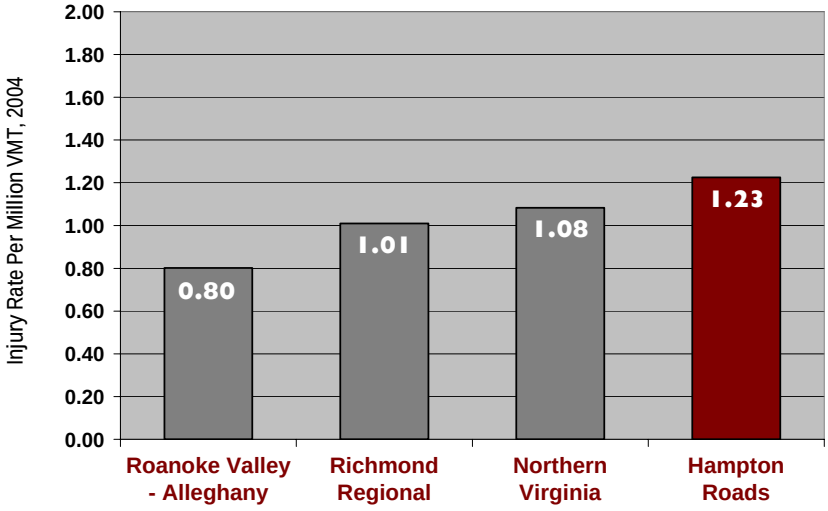
Data sources: VDOT, Virginia DMV.

Hampton Roads: The crash injury rate in Hampton Roads was 1.23 injuries per million vehicle-miles of travel in 2004. This is a significant decrease from 1995, when the injury rate in Hampton Roads was 1.73 injuries per million VMT.

Comparison to other areas: Despite the decrease, the crash injury rate was higher in Hampton Roads than in Virginia and the United States in 2004.

VIRGINIA INJURY RATES

Traffic Crash Injury Rates in Selected Virginia Planning Districts, 2004

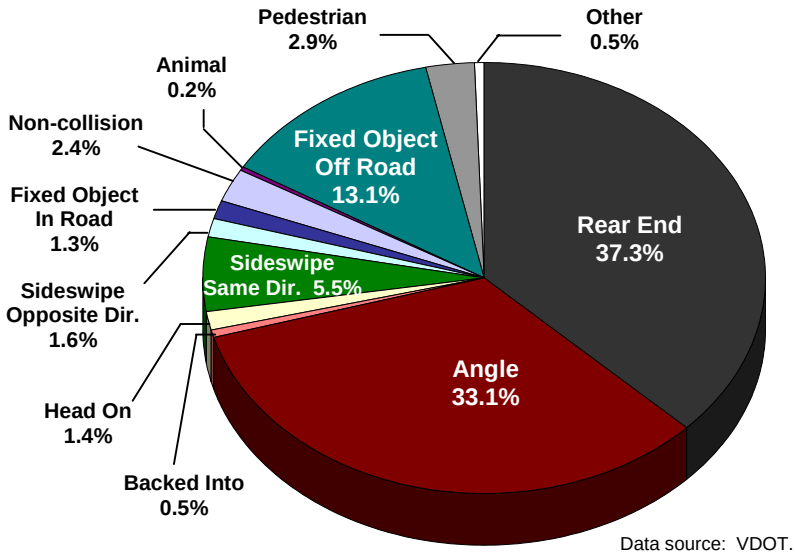


Data sources: VDOT, Virginia DMV.

Comparison to other areas: Hampton Roads had a higher crash injury rate in 2004 than the Northern Virginia, Richmond Regional, and Roanoke Valley-Alleghany planning districts. Only the Roanoke Valley-Alleghany planning district had an injury rate below the statewide average in 2004.

HAMPTON ROADS INJURIES - CRASH TYPE

Hampton Roads Injuries by Crash Type
2002-2004



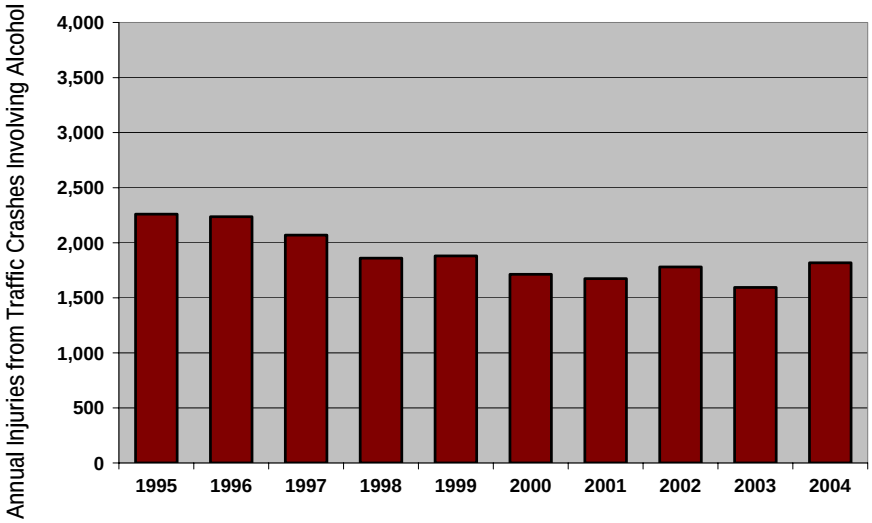
Data source: VDOT.

Hampton Roads: The primary crash types that resulted in injuries in Hampton Roads between 2002 and 2004 were rear end (37.3%), angle (33.1%), and fixed object off road crashes (13.1%). These were also the three most prevalent crash types in the region in 2004.

Statewide: The three most prevalent crash types that resulted in injuries statewide between 2002 and 2004 were also rear end (32.2%), angle (29.5%) and fixed object off road crashes (20.3%).

HAMPTON ROADS ALCOHOL-RELATED INJURIES

Injuries Resulting from Traffic Crashes Involving Alcohol
In Hampton Roads, 1995-2004



Data source: Virginia DMV.

Hampton Roads: There were 1,818 injuries that resulted from alcohol-related crashes in Hampton Roads in 2004. This number has decreased since the mid-1990s when there were over 2,000 such injuries each year. 10.2% of all injuries that occurred in the region in 2004 resulted from crashes involving alcohol, down from 11.0% in 1995.

Statewide: The number of injuries statewide that resulted from alcohol-related crashes decreased 15.7% between 1995 and 2004. 10.1% of all injuries statewide in 2004 were the result of alcohol-related crashes.

TRAFFIC CRASH FATALITIES

HAMPTON ROADS FATALITIES

FATALITIES BY JURISDICTION

HAMPTON ROADS FATALITY RATES

VIRGINIA FATALITY RATES

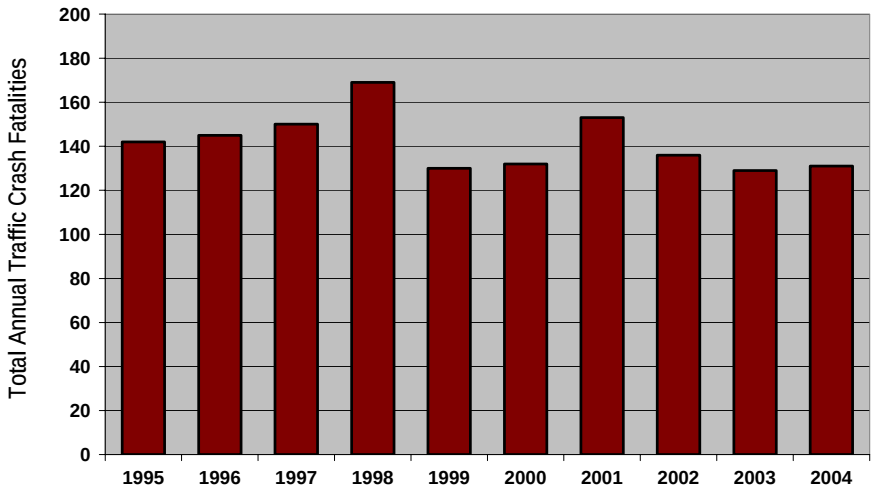
NATIONWIDE FATALITY RATES

FATALITY CRASH TYPES

ALCOHOL-RELATED FATALITIES

HAMPTON ROADS FATALITIES

Hampton Roads Annual Traffic Crash Fatalities*, 1995-2004



Data source: Virginia DMV.

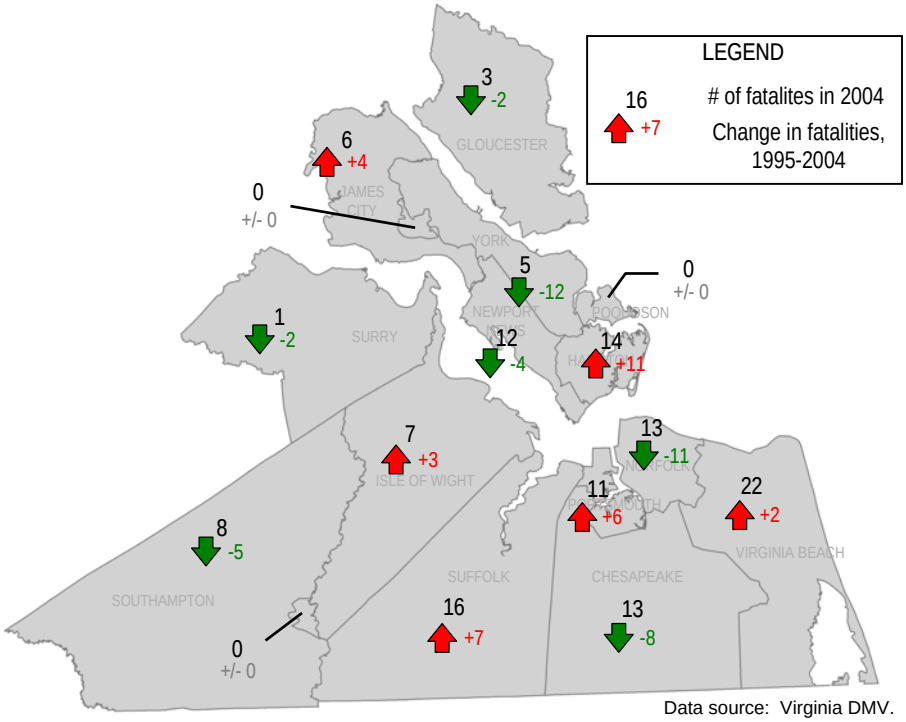
* A fatality traffic crash is defined by the Virginia Department of Motor Vehicles as any crash that causes the death of at least one driver, passenger, or pedestrian within 30 days as the result of injuries suffered in the crash.

Hampton Roads: There were 131 fatalities as the result of traffic crashes in Hampton Roads in 2004. A fatality resulting from traffic crashes occurred on average once every 2.8 days in the region. The number of fatalities in Hampton Roads was slightly lower in 2004 than the number of fatalities that occurred in 1995.

Statewide: The number of fatalities resulting from traffic crashes only increased 2.4% between 1995 and 2004.

HAMPTON ROADS FATALITIES BY JURISDICTION

Traffic Fatalities and Trends by PDC Jurisdiction, 1995-2004

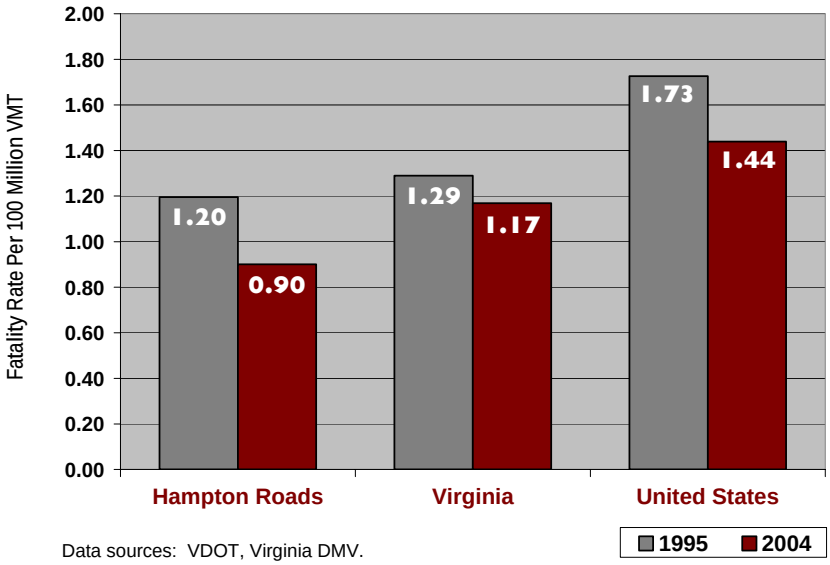


Data source: Virginia DMV.

Hampton Roads: Of the 16 jurisdictions in the Hampton Roads PDC, 6 experienced an increase in fatalities between 1995 and 2004, 7 experienced a decrease, and 3 had no fatalities in either year. Hampton experienced the largest increase with 11 more fatalities in 2004 than in 1995, while York County experienced the largest decrease with 12 fewer fatalities in 2004 than in 1995.

HAMPTON ROADS FATALITY RATES

Traffic Crash Fatality Rates in Hampton Roads, Virginia, and the United States, 1995 and 2004



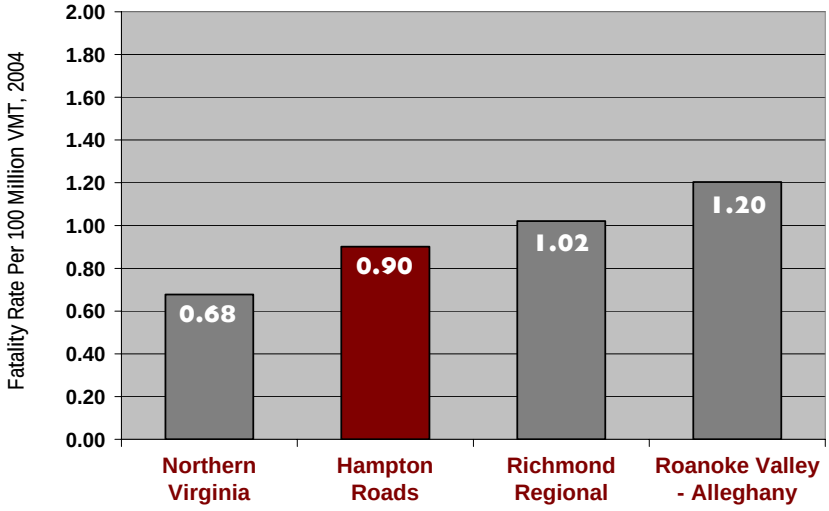
Data sources: VDOT, Virginia DMV.

Hampton Roads: The traffic crash fatality rate in Hampton Roads was 0.90 fatalities per 100 million vehicle-miles of travel in 2004. This is a significant decrease from 1995, when the fatality rate in Hampton Roads was 1.17 fatalities per 100 million VMT.

Comparison to other areas: The crash fatality rate is much lower in Hampton Roads than in Virginia and the United States, and is lower than VDOT's stated goal of 1.0 fatalities per 100 million VMT.

VIRGINIA FATALITY RATES

Traffic Crash Fatality Rates in Selected Virginia Planning Districts, 2004

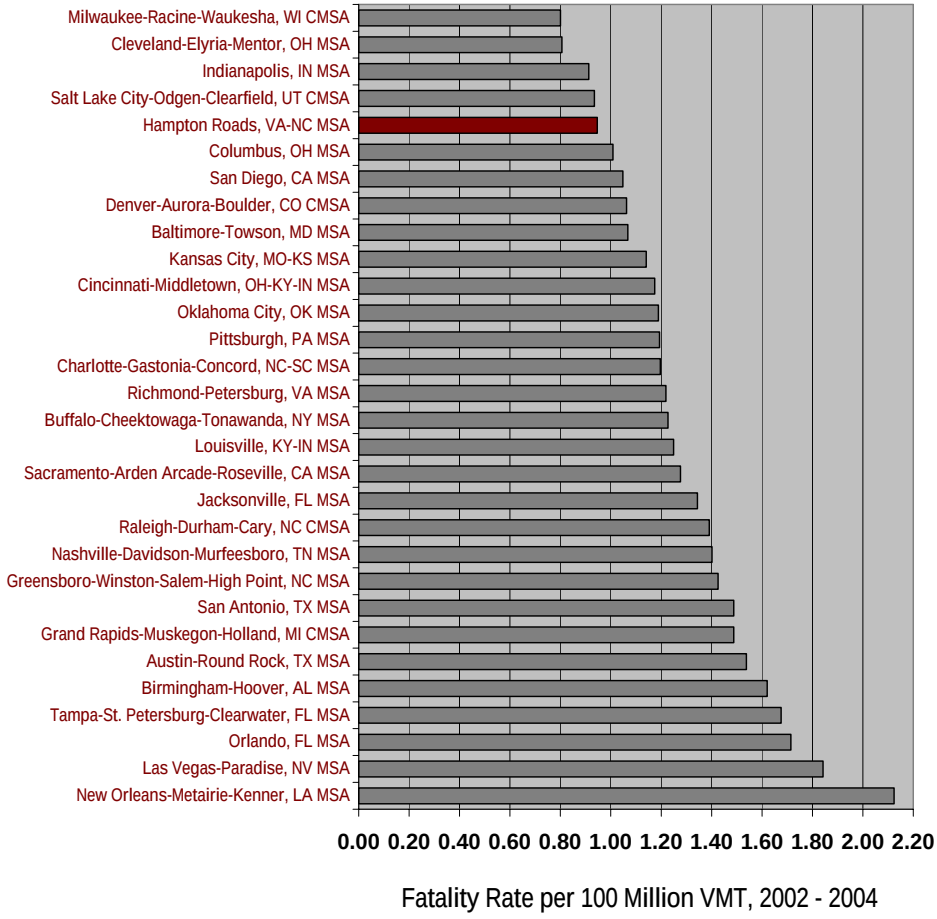


Data sources: VDOT, Virginia DMV.

Comparison to other areas: Hampton Roads had a higher crash fatality rate than Northern Virginia in 2004, but a lower fatality rate than the Richmond Regional and Roanoke Valley-Alleghany Planning Districts. Only the Roanoke Valley-Alleghany planning district had a fatality rate higher than the statewide rate in 2004.

NATIONWIDE FATALITY RATES

Fatality Rates in Metropolitan Statistical Areas (MSAs) with Populations Between One and Three Million, 2002-2004



Comparison to other areas: The Hampton Roads Metropolitan Statistical Area* (MSA) had a crash fatality rate of 0.95 fatalities per 100 million vehicle-miles of travel between 2002 and 2004. This rate ranked fifth lowest among 30 MSAs with populations between one and three million people nationwide. All of the metropolitan areas in the Southeastern United States on this list had higher fatality rates than Hampton Roads did.

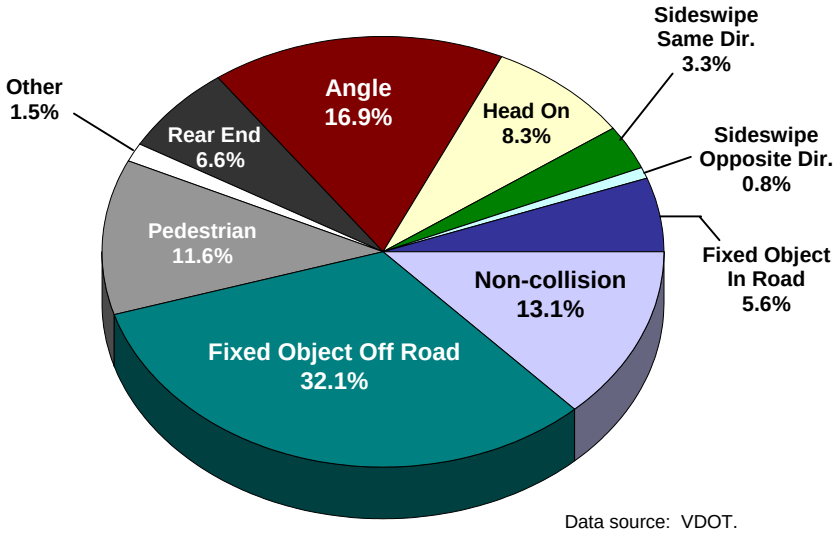
Data sources: Fatality data - National Highway Traffic Safety Administration (NHTSA) FARS database, VMT data - Various state DOT and DMV websites.

* - The Hampton Roads MSA includes the localities within the Hampton Roads PDC with the following exceptions: The MSA includes Mathews County and Currituck County, NC, and the MSA excludes Southampton County and the City of Franklin.

This chart includes all Metropolitan Statistical Areas (MSAs) with populations according to the US Census Bureau of between one and three million people where VMT data on a countywide level was available. Fatality rates were calculated using an average of 2002-2004 VMT data for each MSA when available; otherwise only the 2003 VMT was used.

HAMPTON ROADS FATALITIES – CRASH TYPE

Hampton Roads Fatalities by Crash Type
2002-2004



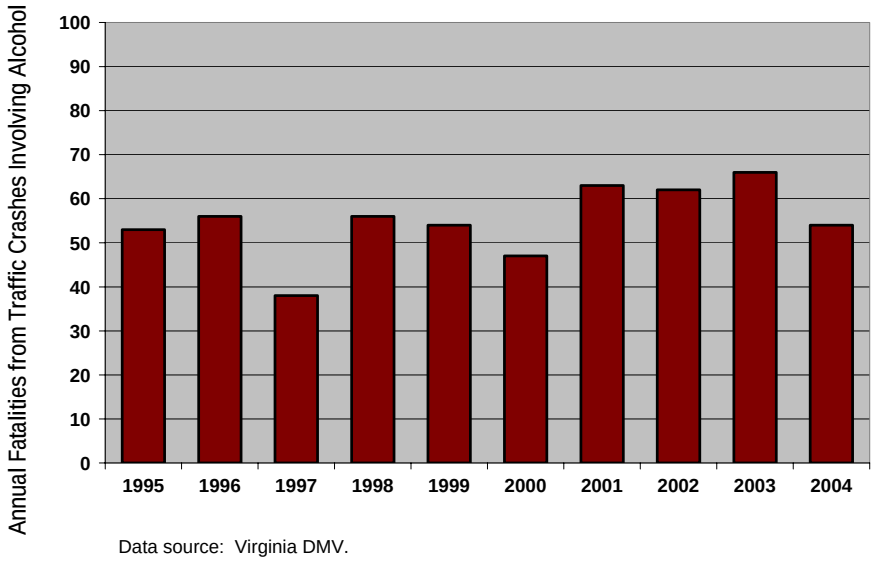
Data source: VDOT.

Hampton Roads: Fixed object off the roadway surface crashes caused the most fatalities in Hampton Roads between 2002 and 2004 (32.1%). The next most prevalent crash types that resulted in fatalities were angle crashes (16.9%) and non-collision/overturned vehicle crashes (13.1%).

Statewide: Fixed object off road crashes also caused the most fatalities statewide between 2002 and 2004 (35.5%), followed by non-collision/overturned vehicle crashes (15.7%) and angle crashes (14.0%).

HAMPTON ROADS ALCOHOL-RELATED FATALITIES

Fatalities Resulting from Traffic Crashes Involving Alcohol
In Hampton Roads, 1995-2004



Data source: Virginia DMV.

Hampton Roads: There were 54 fatalities that resulted from crashes that involved alcohol in Hampton Roads in 2004. This number has fluctuated in recent years, from a low of 37 alcohol-related fatalities in 1997 to a high of 66 such fatalities in 2003. 41% of all fatalities in Hampton Roads in 2004 resulted from crashes that involved alcohol.

Statewide: 37% of all fatalities statewide in 2004 were the result of crashes that involved alcohol.

APPENDIX

HAMPTON ROADS CRASH DATA, 1995-2004

NATIONWIDE MSA FATALITY DATA, 2002-2004

HAMPTON ROADS CRASH DATA, 1995-2004

Hampton Roads Crashes by Jurisdiction, 1995-2004

Number of Crashes											
Jurisdiction	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	% change 1995-2004
Chesapeake	3,063	3,331	3,281	3,251	3,373	3,193	3,104	3,141	3,274	3,594	17.3%
Franklin	81	76	136	120	117	107	110	74	75	47	-42.0%
Gloucester	475	470	469	529	533	490	466	494	505	475	0.0%
Hampton	3,288	3,210	3,271	2,950	3,059	3,050	3,158	3,663	4,115	3,862	17.5%
Isle of Wight	492	519	480	526	488	517	516	568	567	592	20.3%
James City	482	532	582	552	518	499	513	558	656	650	34.9%
Newport News	3,759	3,890	3,887	3,964	3,998	3,867	3,750	3,861	3,900	4,211	12.0%
Norfolk	6,348	6,051	5,892	5,855	5,779	5,542	5,359	5,705	5,810	5,703	-10.2%
Poquoson	57	75	95	87	76	80	93	91	81	86	50.9%
Portsmouth	1,710	1,701	1,796	1,624	1,778	1,729	1,691	1,928	2,061	2,036	19.1%
Southampton	370	350	303	327	333	320	314	277	376	410	10.8%
Suffolk	1,148	1,177	1,214	1,283	1,324	1,204	1,337	1,379	1,566	1,678	46.2%
Surry	112	119	100	138	117	113	111	107	115	117	4.5%
Virginia Beach	7,487	7,524	7,195	7,591	7,837	7,679	7,788	8,478	8,653	8,324	11.2%
Williamsburg	250	270	222	220	238	185	215	222	204	186	-25.6%
York	854	854	866	907	894	857	868	896	1,089	1,137	33.1%
Hampton Roads PDC	29,976	30,149	29,789	29,924	30,462	29,432	29,393	31,442	33,047	33,108	10.4%
Virginia	127,126	131,088	129,980	136,138	139,573	141,650	144,585	147,737	154,848	153,907	21.1%
HR % of state	23.6%	23.0%	22.9%	22.0%	21.8%	20.8%	20.3%	21.3%	21.3%	21.5%	
United States	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	-8.3%

Sources: National Highway Traffic Safety Administration (NHTSA), Virginia Traffic Crash Facts

Hampton Roads Fatalities by Jurisdiction, 1995-2004

Number of Fatalities											
Jurisdiction	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	% change 1995-2004
Chesapeake	21	13	21	26	10	12	20	19	17	13	-38.1%
Franklin	0	0	0	0	0	2	1	0	0	0	0.0%
Gloucester	5	4	4	5	2	3	9	5	4	3	-40.0%
Hampton	3	10	5	4	13	5	6	10	9	14	366.7%
Isle of Wight/Smt	4	11	7	12	9	6	7	5	7	7	75.0%
James City	2	4	7	6	4	7	4	6	5	6	200.0%
Newport News	16	16	15	16	11	11	10	11	13	12	-25.0%
Norfolk	24	17	27	20	24	22	25	10	15	13	-45.8%
Poquoson	0	1	0	0	0	0	0	0	0	0	0.0%
Portsmouth	5	9	11	12	7	4	5	9	7	11	120.0%
Southampton	13	13	9	7	8	8	7	3	4	8	-38.5%
Suffolk	9	12	8	24	13	13	17	20	8	16	77.8%
Surry	3	4	4	4	1	6	1	1	2	1	-66.7%
Virginia Beach	20	31	24	20	24	24	31	27	27	22	10.0%
Williamsburg	0	0	0	2	1	0	0	1	0	0	0.0%
York	17	0	8	11	3	9	10	9	11	5	-70.6%
Hampton Roads PDC	142	145	150	169	130	132	153	136	129	131	-7.7%
Virginia	900	869	981	934	877	930	935	913	942	922	2.4%
HR % of state	15.8%	16.7%	15.3%	18.1%	14.8%	14.2%	16.4%	14.9%	13.7%	14.2%	
United States	41,817	42,065	42,013	41,501	41,717	41,945	42,196	43,005	42,884	42,636	2.0%

Sources: NHTSA, Virginia Traffic Crash Facts

HAMPTON ROADS CRASH DATA, 1995-2004

Hampton Roads Injuries by Jurisdiction, 1995-2004

Number of Injuries											
Jurisdiction	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	% change 1995-2004
Chesapeake	2,182	2,425	2,356	2,281	2,397	2,198	2,162	2,095	2,106	2,279	4.4%
Franklin	48	43	65	85	74	59	51	31	37	14	-70.8%
Gloucester	423	403	400	447	430	396	347	407	365	360	-14.9%
Hampton	2,095	2,130	2,127	1,922	1,926	1,833	1,914	1,963	1,961	1,677	-20.0%
Isle of Wight/Smt	419	451	422	372	421	382	381	370	354	341	-18.6%
James City	377	348	350	337	313	324	366	383	385	384	1.9%
Newport News	2,604	2,728	2,573	2,584	2,492	2,241	2,212	2,287	2,279	2,532	-2.8%
Norfolk	4,123	3,600	3,633	3,400	3,137	3,008	2,906	3,062	3,053	2,951	-28.4%
Poquoson	21	42	50	34	41	25	58	54	35	30	42.9%
Portsmouth	1,353	1,357	1,403	1,301	1,338	1,269	1,111	1,209	1,274	1,265	-6.5%
Southampton	338	320	271	255	266	284	260	219	262	263	-22.2%
Suffolk	1,111	1,078	1,046	1,109	995	880	1,006	941	1,033	1,066	-4.1%
Surry	87	85	71	94	84	68	69	60	59	66	-24.1%
Virginia Beach	4,685	4,362	4,220	4,360	4,431	4,241	4,057	4,009	4,066	3,771	-19.5%
Williamsburg	142	133	127	95	121	103	108	103	119	99	-30.3%
York	631	586	553	658	545	549	555	592	677	717	13.6%
Hampton Roads PDC	20,639	20,091	19,667	19,334	19,011	17,860	17,563	17,785	18,065	17,815	-13.7%
Virginia	82,400	82,363	81,866	81,221	81,204	79,806	80,187	78,896	78,842	78,487	-4.7%
HR % of state	25.0%	24.4%	24.0%	23.8%	23.4%	22.4%	21.9%	22.5%	22.9%	22.7%	
United States	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	-19.5%

Sources: NHTSA, Virginia Traffic Crash Facts

Hampton Roads Alcohol-Related Crashes by Jurisdiction, 1995-2004

Number of Alcohol Related Crashes											
Jurisdiction	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	% change 1995-2004
Chesapeake	247	268	256	230	244	234	246	273	259	234	-5.3%
Franklin	6	7	8	8	5	8	7	3	7	2	-66.7%
Gloucester	58	49	46	46	51	45	51	56	52	57	-1.7%
Hampton	275	249	271	254	212	204	230	232	255	269	-2.2%
Isle of Wight/Smt	54	56	62	51	73	60	69	76	64	60	11.1%
James City	42	40	46	40	36	41	43	42	41	41	-2.4%
Newport News	312	283	297	311	266	253	257	278	227	282	-9.6%
Norfolk	570	521	515	456	435	394	399	463	454	414	-27.4%
Poquoson	3	4	11	9	4	5	9	4	8	8	166.7%
Portsmouth	167	169	156	136	155	134	111	158	148	181	8.4%
Southampton	54	40	37	47	47	43	33	32	41	35	-35.2%
Suffolk	138	134	115	119	124	114	117	107	81	125	-9.4%
Surry	17	21	16	13	16	16	14	13	18	11	-35.3%
Virginia Beach	698	656	622	579	659	583	624	689	667	780	11.7%
Williamsburg	15	15	11	9	11	9	14	12	14	14	-6.7%
York	69	81	71	78	72	71	78	64	56	71	2.9%
Hampton Roads PDC	2,725	2,593	2,540	2,386	2,410	2,214	2,302	2,502	2,392	2,584	-5.2%
Virginia	11,400	11,220	11,340	11,027	10,942	11,085	11,265	11,788	11,388	11,504	0.9%
HR % of state	23.9%	23.1%	22.4%	21.6%	22.0%	20.0%	20.4%	21.2%	21.0%	22.5%	
United States	470,000	460,000	470,000	438,000	457,000	508,000	438,000	N/A	N/A	N/A	

Sources: NHTSA, Virginia Traffic Crash Facts

HAMPTON ROADS CRASH DATA, 1995-2004

Hampton Roads Alcohol-Related Fatalities by Jurisdiction, 1995-2004

Number of Alcohol Related Fatalities											
Jurisdiction	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	% change 1995-2004
Chesapeake	4	6	1	8	3	5	10	7	6	3	-25.0%
Franklin	0	0	0	0	0	2	0	0	0	0	0.0%
Gloucester	2	1	2	3	1	1	4	3	2	2	0.0%
Hampton	1	4	0	4	5	2	4	8	5	10	900.0%
Isle of Wight/Smt	2	4	3	3	3	1	3	1	6	3	50.0%
James City	1	1	0	0	4	2	1	2	1	2	100.0%
Newport News	10	5	5	4	5	2	2	5	9	3	-70.0%
Norfolk	11	9	4	5	9	7	8	5	6	5	-54.5%
Poquoson	0	0	0	0	0	0	0	0	0	0	0.0%
Portsmouth	2	3	5	6	1	2	3	6	6	3	50.0%
Southampton	2	3	1	3	4	4	3	1	2	4	100.0%
Suffolk	4	5	4	9	2	2	6	8	1	5	25.0%
Surry	1	3	1	1	1	3	0	0	0	0	-100.0%
Virginia Beach	7	12	9	6	14	11	16	13	17	11	57.1%
Williamsburg	0	0	0	1	0	0	0	0	0	0	0.0%
York	6	0	3	3	2	3	3	3	5	3	-50.0%
Hampton Roads PDC	53	56	38	56	54	47	63	62	66	54	1.9%
Virginia	360	346	302	336	364	355	358	375	361	343	-4.7%
HR % of state	14.7%	16.2%	12.6%	16.7%	14.8%	13.2%	17.6%	16.5%	18.3%	15.7%	
United States	17,732	17,749	16,711	16,673	16,572	17,380	17,448	17,524	17,105	16,694	-5.9%

Sources: NHTSA, Virginia Traffic Crash Facts

Hampton Roads Alcohol-Related Injuries by Jurisdiction, 1995-2004

Number of Alcohol Related Injuries											
Jurisdiction	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	% change 1995-2004
Chesapeake	179	237	235	196	208	210	204	232	188	207	15.6%
Franklin	2	2	8	6	8	5	3	3	3	2	0.0%
Gloucester	62	54	33	50	36	45	46	56	53	59	-4.8%
Hampton	198	217	218	192	163	157	168	128	172	119	-39.9%
Isle of Wight/Smt	41	60	75	31	83	59	64	65	52	42	2.4%
James City	33	32	28	25	25	48	34	52	33	29	-12.1%
Newport News	281	271	230	241	218	177	188	213	153	223	-20.6%
Norfolk	475	416	403	360	318	270	267	305	272	311	-34.5%
Poquoson	1	4	7	6	2	2	6	4	4	4	300.0%
Portsmouth	137	180	129	114	140	125	77	99	109	122	-10.9%
Southampton	59	36	43	33	45	38	25	32	24	30	-49.2%
Suffolk	144	117	126	122	111	112	99	113	74	117	-18.8%
Surry	13	14	18	13	15	7	11	5	10	8	-38.5%
Virginia Beach	597	536	489	417	447	399	414	422	395	472	-20.9%
Williamsburg	9	13	5	3	4	3	8	6	10	14	55.6%
York	45	64	48	71	57	57	60	45	42	59	31.1%
Hampton Roads PDC	2,276	2,253	2,095	1,880	1,880	1,714	1,674	1,780	1,594	1,818	-20.1%
Virginia	9,381	9,083	9,124	8,555	8,359	8,251	8,211	8,465	7,819	7,911	-15.7%
HR % of state	24.3%	24.8%	23.0%	22.0%	22.5%	20.8%	20.4%	21.0%	20.4%	23.0%	
United States	300,000	321,000	327,000	305,000	308,000	310,000	275,000	258,000	275,000	248,000	-17.3%

Sources: NHTSA, Virginia Traffic Crash Facts

NATIONWIDE MSA FATALITY DATA, 2002-2004

Fatalities and Fatality Rates in Metropolitan Statistical Areas (MSAs) with Populations Between One and Three Million People, 2002-2004

MSA	2004 Population	2002 Fatalities	2003 Fatalities	2004 Fatalities	2002 - 2004 Average Annual Fatalities	2002 - 2004 Average Yearly VMT	2002 - 2004 Fatality Rate per 100 MVMT
Austin-Round Rock, TX MSA	1,412,271	239	175	198	204.0	13,262,248,862**	1.54
Baltimore-Towson, MD MSA	2,639,213	270	284	257	270.3	25,320,000,000*	1.07
Birmingham-Hoover, AL MSA	1,082,193	211	181	217	203.0	12,553,367,022*	1.62
Buffalo-Cheektowaga-Tonawanda, NY MSA	1,154,378	89	87	91	89.0	7,253,693,616**	1.23
Charlotte-Gastonia-Concord, NC-SC MSA	1,474,734	165	174	191	176.7	14,759,739,451*	1.20
Cincinnati-Middletown, OH-KY-IN MSA	2,058,221	223	218	227	222.7	18,959,967,878	1.17
Cleveland-Elyria-Mentor, OH MSA	2,137,073	146	131	134	137.0	16,986,753,500	0.81
Columbus, OH MSA	1,693,906	185	169	172	175.3	17,382,198,347	1.01
Denver-Aurora-Boulder, CO CMSA	2,609,063	298	225	245	256.0	24,089,188,687**	1.06
Grand Rapids-Muskegon-Holland, MI CMSA	1,194,291	174	154	138	155.3	10,436,646,000	1.49
Greensboro-Winston-Salem-High Point, NC MSA	1,109,149	177	173	151	167.0	11,718,000,000*	1.43
Hampton Roads, VA-NC MSA	1,598,900	146	130	131	135.7	14,337,315,462	0.95
Indianapolis, IN MSA	1,621,613	162	165	185	170.7	18,703,208,820*	0.91
Jacksonville, FL MSA	1,225,381	198	196	216	203.3	15,129,268,219	1.34
Kansas City, MO-KS MSA	1,925,319	262	234	230	242.0	21,219,081,231**	1.14
Las Vegas-Paradise, NV MSA	1,650,671	213	223	247	227.7	12,362,000,000*	1.84
Louisville, KY-IN MSA	1,200,847	160	162	178	166.7	13,340,210,095*	1.25
Milwaukee-Racine-Waukesha, WI CMSA	1,709,926	121	130	134	128.3	16,029,998,600*	0.80
Nashville-Davidson-Murfeesboro, TN MSA	1,395,879	238	258	256	250.7	17,883,480,288*	1.40
New Orleans-Metairie-Kenner, LA MSA	1,319,589	184	173	195	184.0	8,665,000,000	2.12
Oklahoma City, OK MSA	1,144,327	164	151	176	163.7	13,764,001,567	1.19
Orlando, FL MSA	1,861,707	342	321	389	350.7	20,453,887,103	1.71
Pittsburgh, PA MSA	2,401,575	252	234	235	240.3	20,147,124,019	1.19
Raleigh-Durham-Cary, NC CMSA	1,365,892	186	203	206	198.3	14,258,000,000*	1.39
Richmond-Petersburg, VA MSA	1,152,800	182	154	177	171.0	14,025,964,335	1.22
Sacramento-Arden Arcade-Roseville, CA MSA	2,016,702	239	249	220	236.0	18,484,366,567	1.28
Salt Lake City-Odgen-Clearfield, UT CMSA	1,496,281	134	112	131	125.7	13,445,167,712	0.93
San Antonio, TX MSA	1,854,050	259	235	259	251.0	16,865,728,943**	1.49
San Diego, CA MSA	2,931,714	299	290	299	296.0	28,246,249,217	1.05
Tampa-St. Petersburg-Clearwater, FL MSA	2,587,967	464	418	430	437.3	26,099,747,436	1.68

Data Sources: US Census Bureau, NHTSA FARS database, and various state DOT and DMV websites.

* - Includes only 2003 or 2004 VMT data
** - Estimated based on historical data

The Hampton Roads MSA includes the localities within the Hampton Roads PDC with the following exceptions: The MSA includes Mathews County and Currituck County, NC, and the MSA excludes Southampton County and the City of Franklin.