

Office of the Chief Medical Examiner's Annual Report, 2006



Commonwealth of Virginia
Virginia Department of Health
Office of the Chief Medical Examiner
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OFFICE OF THE CHIEF MEDICAL EXAMINER'S ANNUAL REPORT, 2006

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Letter from the Chief Medical Examiner

The Virginia Department of Health's Office of the Chief Medical Examiner (OCME) presents to the citizens of the Commonwealth of Virginia a report of its activities for 2006.

Charged by the Code of Virginia, the OCME investigates deaths occurring in Virginia of persons who die a sudden and unexpected, unattended, violent or suspicious death. The OCME's major missions are to identify the cause of death, certify the manner, collect medical evidence, and reconstruct how injury occurred. The medical examiner assists the criminal and civil justice system with the investigation of violent deaths. The medical examiner also has a public health role by documenting injuries and deaths that might be preventable and to conduct surveillance for deaths that may represent a disease process that is hazardous to the public health. The OCME is also responsible for mass fatality management due to injuries related to weather, accident, suicide or terrorism events.

This report is especially promulgated to those agencies and groups that have the power to effect change and to create preventive strategies to reduce the number of deaths. Accidents, for the most part are preventable. Many could be avoided by following current safety measures or by the development of new measures derived from the interpretation of data. Suicide is a measure of despair. Many reach out to loved ones and friends searching for help and that call for help needs to be recognized and acted upon. For those who do not reach out, strategies need to be developed to outreach and intervene. Homicides in Virginia demonstrate a breakdown of our society and efforts directed at altering high risk life styles need to be continued by health, mental health, criminal justice, legislative and other professionals.

The staff of the OCME serves Virginia's citizens living and dead. It is hoped that its effort inspires others to promote a healthy and long life. Forensic epidemiologist, Dr. Anna Noller analyzed the mountains of data and translated it into meaningful useful formats for the OCME.

This will be the last Annual Report under my guidance. It has been my privilege to practice medicine with the construct of Virginia's medical examiner system for more than 30 years. I pass my torch with confidence to Dr. Leah L. Bush knowing she will wisely guide the staff and the faithful city and county medical examiners who are the heart of the system.

Marcella F. Fierro, MD
Chief Medical Examiner
Commonwealth of Virginia

November 16, 2007

Introduction

This report presents the deaths investigated by the Virginia Department of Health, Office of the Chief Medical Examiner in 2006.

Preparation for the Annual Report

The OCME data from which this report was compiled are maintained on a Solaris SunFire 280R enterprise server, running Solaris 8 and Oracle 8i, and is located at the Central district office of the OCME in Richmond. Anna C. Noller, PhD used SPSS v15.0 and Microsoft Office 2000 Professional to prepare this report. All rates are based on the appropriate Virginia resident group and non-resident cases.

SECTION 1: OVERVIEW- OFFICE OF THE CHIEF MEDICAL EXAMINER

Virginia became one of the first states in 1946 to institute a statewide medical examiner system. In that same year, the General Assembly of Virginia abolished the Office of Coroner's Physician and appointed a Chief Medical Examiner. Four years later, in 1950, the Office of the Chief Medical Examiner (OCME) became an office within the Virginia Department of Health. The OCME has 4 district offices to serve the Commonwealth.

Virginia 2006

In 2006, the estimated population of the Commonwealth was 7,642,884, ranking 12th among the states. Virginia has a land area of 39,594 square miles, ranking 37th among the states; for comparison, Texas is ranked 2nd and is 6.6 times larger than Virginia. Virginia's population density is 193 persons per square mile; although an estimated 85.5 percent of the population lives in urban areas. Racially, whites constituted 74.1 percent of the population, blacks 20.4 percent, Asians 5.1 percent, and Native Americans 0.37 percent. Hispanics, who may be of any race, were 6.3 percent of Virginia's people. The median household income in 2006 was \$55,108.

Jurisdictional Authority

Pursuant to § 32.1-283 of the Code of Virginia, all of the following deaths are investigated by the OCME:

- Any death from trauma, injury, violence, or poisoning attributable to accident, suicide or homicide;
- Sudden deaths of persons in apparent good health or deaths unattended by a physician;
- Deaths of persons in jail, prison, or another correctional institution, or in police custody (this includes deaths from legal intervention);
- Deaths of patients/residents of state mental health or mental retardation facilities;
- The sudden death of any infant less than eighteen months of age whose death might be attributable to Sudden Infant Death Syndrome; and
- Any other suspicious, unusual, or unnatural death.

In Virginia, local medical examiners conduct a medicolegal death investigation, serving as the principal case investigator in their locality for deaths falling within their jurisdiction and statutory authority. The OCME currently supports more than 253 local medical examiners, who receive the initial notification of death and determine if the death should come under the jurisdiction of the

medical examiner. Local medical examiners may examine the body, collect a toxicology sample, and sign the certificate of death on medical examiner cases or, using professionally established guidelines, refer certain classes of cases for more intensive death investigation and medicolegal autopsy.

When an autopsy is required, it is conducted in one of four district offices: Northern, Tidewater, Central or Western. Each district is staffed by board certified forensic pathologists, American Board of Medicolegal Death certified death investigators, clerical and morgue personnel. The Chief Medical Examiner, Dr. Marcella F. Fierro, resides in the Richmond office and is responsible for the overall operations of the state's medical examiner system.

The overall vision of the OCME is to be the best medical examiner system in the world. The following missions form the core of OCME staff members' efforts in accomplishing this goal:

- Conduct medicolegal death investigations.
- Perform autopsies to certify cause and manner of death.
- Provide public service to citizens and professional colleagues throughout the Commonwealth.
- Educate peers and professionals on subjects related to death investigation.
- Reduce violent death by conducting surveillance and fatality review.
- Provide support and technical assistance to local fatality review teams.
- Administer the State Anatomical Program.

Virginia's medical examiners and forensic pathologists are committed to public safety and to public health. To promote public safety, they testify to their findings in civil and criminal courts throughout the Commonwealth. They advance public health through their investigations of deaths that present a hazard to Virginia's citizens, such as emerging infections and bioterrorism. This report describes medical examiner activities for the 2006 calendar year.

Review and Surveillance Teams

In addition to its central mission – conducting medico-legal death investigation to determine the cause and manner of death – the OCME has a public health mission related to injury and violence prevention in the Commonwealth. The OCME is home to four fatality review and surveillance projects, which are designed to:

- ◆ Understand the circumstances of death;
- ◆ Provide information to legislators, policy makers, and other stakeholders for injury and violence prevention;
- ◆ Make direct recommendations for prevention and intervention;
- ◆ Measure the impact of prevention programs and practices; and
- ◆ Make something good come from the violence and destruction of human life.

The **State Child Fatality Review Team** was established by the Virginia General Assembly and the Governor of Virginia. Working in the spirit of public health, this Team reviews violent and unexpected child deaths and develops consensus recommendations to prevent similar deaths in the future. It is a multidisciplinary Team with representatives from pediatrics, child psychiatry, law enforcement, social services, forensic pathology, commonwealth's attorneys, local fire and emergency medical services providers, the Virginia SIDS alliance, and state agencies. The Team has completed reviews and developed recommendations for prevention in the following areas of child death: firearms; suicide; unintentional injury to children under the age of 5; and caretaker homicide. Published reports are available at:

<http://www.vdh.virginia.gov/medExam/ChildFatality.htm>.

The OCME's **Family and Intimate Partner Violence Homicide Surveillance Project** uses OCME records and news reports to identify the circumstances and the dynamics of fatal family violence. Staff members publish annual information on every homicide in the Commonwealth with a focus on family and intimate partner violence. Tracking these deaths over a seven-year period reveals that approximately one in three homicides involve conflict and violence between family members or intimate partners. Risk and lethality factors associated with intimate partner violence -- such as prior acts of violence and periods of separation or divorce -- were also found in fatal cases of intimate partner homicide. Published reports are available at:

<http://www.vdh.virginia.gov/medExam/Violence.htm>

In partnership with the Office of Family Health Services, the OCME coordinates the work of the **Maternal Mortality Review Team**. This effort involves review of the circumstances surrounding all maternal deaths in the Commonwealth by an interdisciplinary team of professionals, including representatives from local health departments, obstetrician-gynecologists, medical social workers,

nurse-midwives, nurse practitioners, and state planning agencies. Maternal deaths include all deaths to women during a pregnancy or within one year of the termination of pregnancy, regardless of outcome of the pregnancy or cause and manner of death. This Team's review of 1999-2001 maternal deaths and its recommendations for prevention are available at <http://www.vdh.virginia.gov/medExam/MaternalMortality.htm>. The Team discovered racial disparities in maternal mortality and identified intimate partner violence, substance use, and mental illness as risk factors that contribute to premature and preventable maternal deaths.

The OCME was the first statewide medical examiner system to be selected as a demonstration site for the Center for Disease Control and Prevention's National Violent Death Reporting System (NVDRS). Known as the **Virginia Violent Death Reporting System (VVDRS)** in Virginia, this system collects information from a variety of sources – forensic pathology, forensic science, law enforcement, and vital records – in order to describe the circumstances and victims of violent death. Information is used to frame violence and injury prevention programs at the national, state, and local levels. The VVDRS project has identified many characteristics associated with suicides, homicides, unintentional firearm deaths, and legal intervention deaths; clarified the co-occurrence of violent death and the use of alcohol and drugs; and identified regional variations in violent death in Virginia. Published reports are available at:

<http://www.vdh.virginia.gov/medExam/NVDRS.htm>

Training and Education

Forensic Pathology Training Programs

Website — <http://www.vdh.state.va.us/medExam/training.htm>

The Virginia Commonwealth University, School of Medicine (VCU) and the Eastern Virginia Medical School (EVMS) in conjunction with the OCME offer Accreditation Council for Graduate Medical Education (ACGME) accredited residency/fellowship training in the subspecialty of forensic pathology. The four board-certified forensic pathologists of the Central District office are the core faculty of the Department of Legal Medicine at VCU, and faculty in the Division of Forensic Pathology of the Department of Pathology at VCU. Medical Examiner's office staff has full access to facilities at VCU and its medical, dental, pharmacy, hospital administration, nursing, and other health science schools. The three board-certified forensic pathologists including a pediatric pathologist of the Tidewater District office are faculty in the Department of Pathology at

EVMS and the Department of Legal Medicine at VCU. The Tidewater District office staff has full access to EVMS. The forensic pathology training program is designed to provide flexibility in training and experience depending upon the individual physician's career objectives.

- A 1 or 2-month experience for the trainee who desires a brief exposure to forensic pathology as part of a general anatomic pathology program.
- A 3 to 6-month experience for trainees desiring more intensive exposure as part of a general anatomic pathology program.
- A 12-month experience for a trainee desiring eligibility to take the American Board of Pathology examination in forensic pathology.

The Central District office provides forensic pathology and medical examiner administrative services to the county and city medical examiners in the central region of Virginia including the Richmond Metropolitan area. The Tidewater District office provides forensic pathology and medical examiner administrative services to the county and city medical examiners in the eastern region of Virginia including the Norfolk, Virginia Beach, Hampton, Portsmouth, and Newport News metropolitan areas.

It is the aim of the forensic pathology training program that, by the end of the fellowship year, the trainee can adequately manage the great majority of medicolegal deaths with self-assurance and technical competence. The trainee should be equipped to step into a position as an able assistant in an established Medical Examiner's or Coroner's Office of a county, city, or state.

Pathology residents and medical students rotate through the OCME on month long rotations.

Virginia Institute of Forensic Science and Medicine

Website — <http://www.vifsm.org/>

The Virginia Institute for Forensic Science and Medicine, a 501(c) (3) organization founded in 1999, is a premier provider of hands on training in a working forensic environment for aspiring forensic scientists and pathologists. To the nation, VIFSM promotes a Virginia brand of justice forged from the cooperative efficiencies and innovations of its medical examiner system and forensic science laboratories. Over 200 world-renowned faculty members, many of whom are staff members of the Division of Forensic Science and Office of the Chief Medical Examiner, lend their expertise as foremost practitioners of all disciplines of forensic science and medicine. VIFSM offers state-of-the-art postgraduate fellowships as preparation for careers in these forensic

disciplines. Through its training seminars, VIFSM enhances the knowledge and performance of those engaged in violent crime and death investigation.

National Association of Medical Examiners Accreditation

The National Association of Medical Examiners (NAME) is the professional organization for physician medical examiners, medical death investigators and death investigation system administrators who investigate deaths of public interest, either legal or public health, in the United States. NAME has developed an accreditation process to improve the quality of death investigation within medical examiner offices and systems. When an office is accredited by NAME, it is an endorsement that the office has provided an environment adequate for a medical examiner to practice his or her profession and that the office can serve its jurisdiction.

The accreditation process includes but is not limited to: inspection of facilities, review of facility and personnel safety, qualification of medical examiners, review of medical legal procedures, and review of reports and records. One requirement within the reports and records section is an annual statistical report which OCME fulfills with this report. The following data is needed for the NAME requirement for the annual statistical report:

A. Deaths reported:	Unable to track all reports, however cases that the OCME accepts are reported to the district offices
B. Cases accepted:	5851 cases
C. Manners of death:	Accident- 2354, Homicide- 427, Natural- 2096, Suicide- 884, Undetermined- 90
D. Scene visits:	982 or 16.8% of cases
E. Bodies transported by office:	Central- 1561, Northern- 786, Tidewater- 959, Western- 900
F. External examinations:	2889 cases
G. Complete examinations (autopsy):	2962 cases
H. Partial examinations:	0 cases
I. Hospital autopsies under ME jurisdiction:	Unable to track*
J. Cases with toxicology:	5311 or 90.8% of cases
K. Unidentified bodies after examination:	7 cases
L. Organ, tissue & eye donations:	326 cases
M. Unclaimed bodies:	3 cases
N. Exhumations:	1 case
O. Bodies transported to office:	Central- 1561, Northern- 786, Tidewater- 959, Western- 900

*If a medicolegal case requires an autopsy the OCME performs it. Hospital autopsies may be performed on cases released by the OCME that did not require an autopsy.

SECTION 2: TOTAL CASES

Since 1999 the number of deaths investigated annually by the OCME has increased by a total of 12.9 percent, while during the same time frame the population of Virginia has increased by 11.2 percent. In 2006, the OCME investigated 5,851 deaths, representing 10.2 percent of the estimated total deaths in Virginia. Of the deaths investigated by the OCME in 2006:

- The total number of deaths investigated represents a 1.0 percent decrease from the 2005 total and an overall increase of 12.9 percent since 1999.
- The highest total number of deaths occurred in December, and the fewest in September. More deaths occurred on Sundays than any other day of the week, and the least on Fridays.
- The ratio of male to female deaths was 2.4:1. Decedents classified as white represented 70.7 percent of the total.
- The City of Richmond continued to have the greatest number of homicides with 95 deaths; two times greater than Norfolk, which was the locality with the second greatest number of homicides (48) in 2006, although both cities saw a decrease in the number of homicides from the previous year. Fairfax County experienced the greatest number of accidental and suicide deaths.
- Autopsies were conducted in 40.8 percent of cases due to accidental deaths, 98.6 percent of homicides, 42.1 percent of natural causes, 82 percent of suicides, 93.3 percent of undetermined deaths, and 52.5 percent of all cases in 2006.
- Gunshot wounds were the cause of death in 812 deaths in 2006, 13.9 percent of total cases. Of these 812 deaths, 786 were Virginia residents resulting in a residential rate of gun deaths of 10.6/100,000 population.
- Whites represented the greatest proportion of cases by all manners of death except homicide in which blacks represented 60.2 percent of cases.
- The number of suicides (884) was 2.1 times greater than the number of homicides (427) in 2006.

Figure 1. Total Cases by Year of Death, 1999-2006

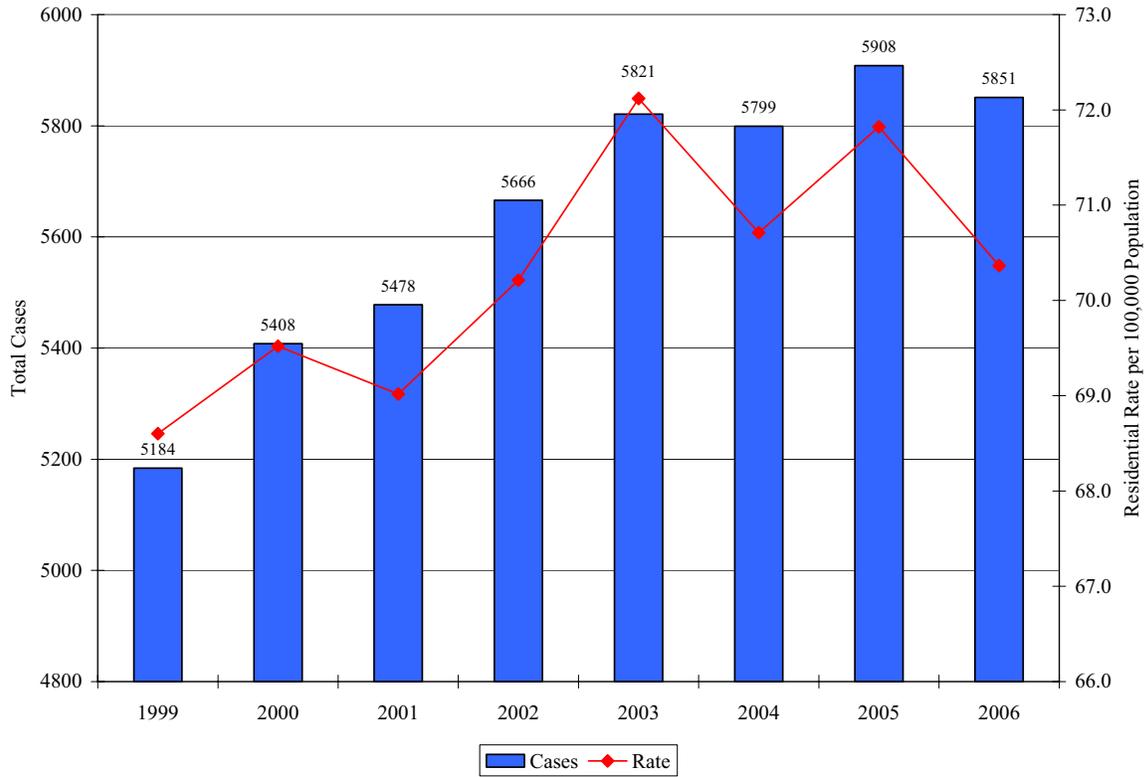


Table 1. Total Cases by Manner of Death by OCME District, 2006

Manner	OCME-District				Total
	Central	Northern	Tidewater	Western	
Accident	765	471	442	675	2353
Homicide	160	73	135	59	427
Natural	679	441	501	476	2097
Suicide	259	220	171	234	884
Undetermined	23	20	25	22	90
Total	1886	1225	1274	1466	5851

Figure 2. Total Cases by Month of Death, 2006

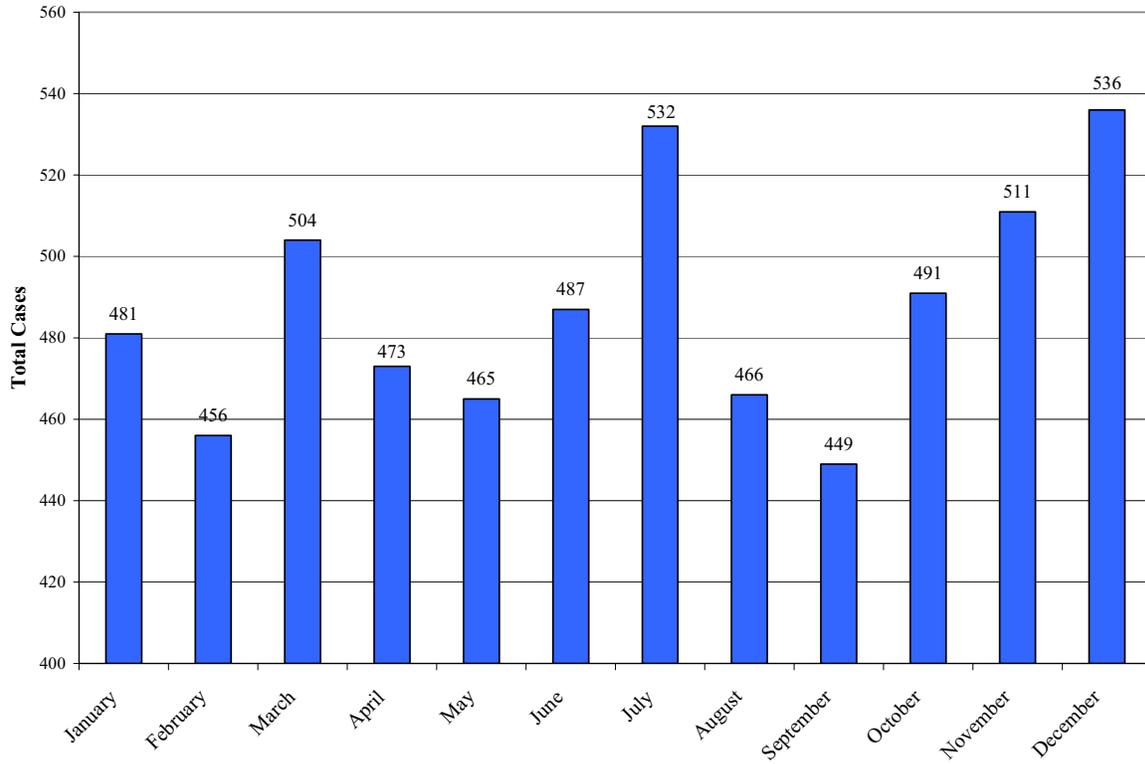


Figure 3. Total Cases by Day of Death, 2006

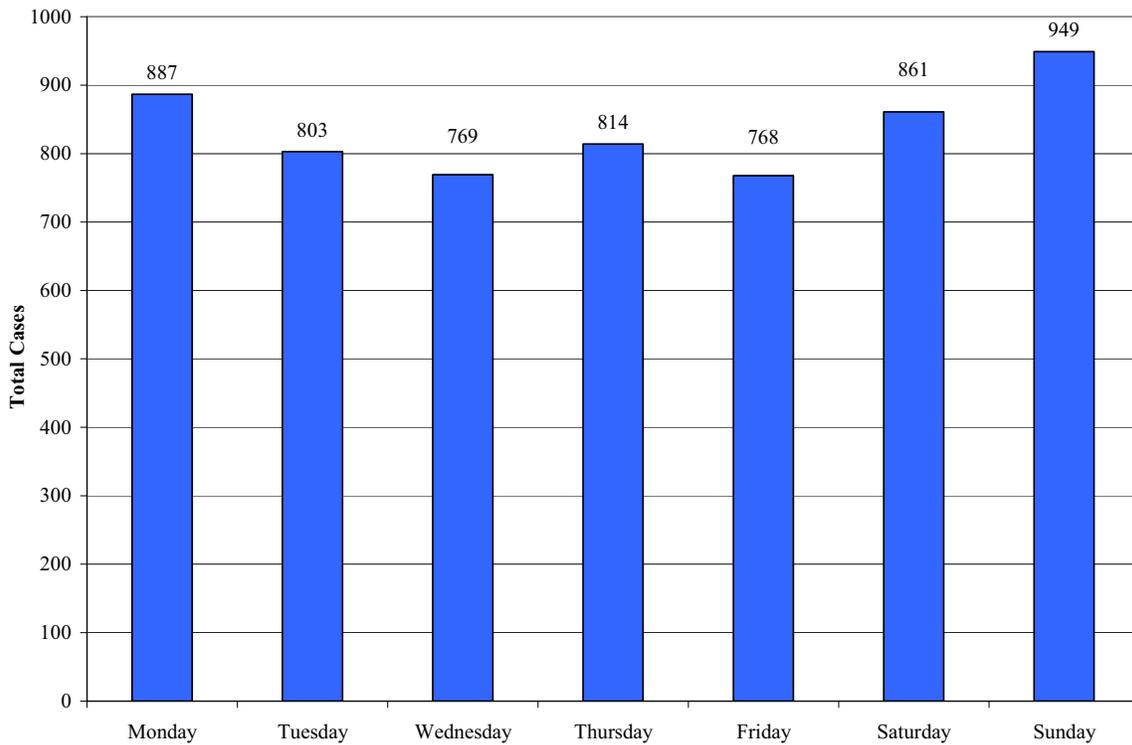


Table 2. Total Cases by Gender, 2006

Gender	Frequency	Percent
Male	4132	70.6%
Female	1716	29.3%
Unknown	3	0.1%
Total	5851	100%

Table 3. Total Cases by Race/Ethnicity, 2006

White	Black	Hispanic	Asian	Indian*	Unknown	Other	Native American/ Alaskan	Total
4137	1387	205	99	12	6	3	2	5851
70.7%	23.7%	3.5%	1.7%	0.2%	0.1%	0.05%	0.03%	100%

*Indian refers to subcontinental India

Figure 4. Total Cases by Age Group, 2006

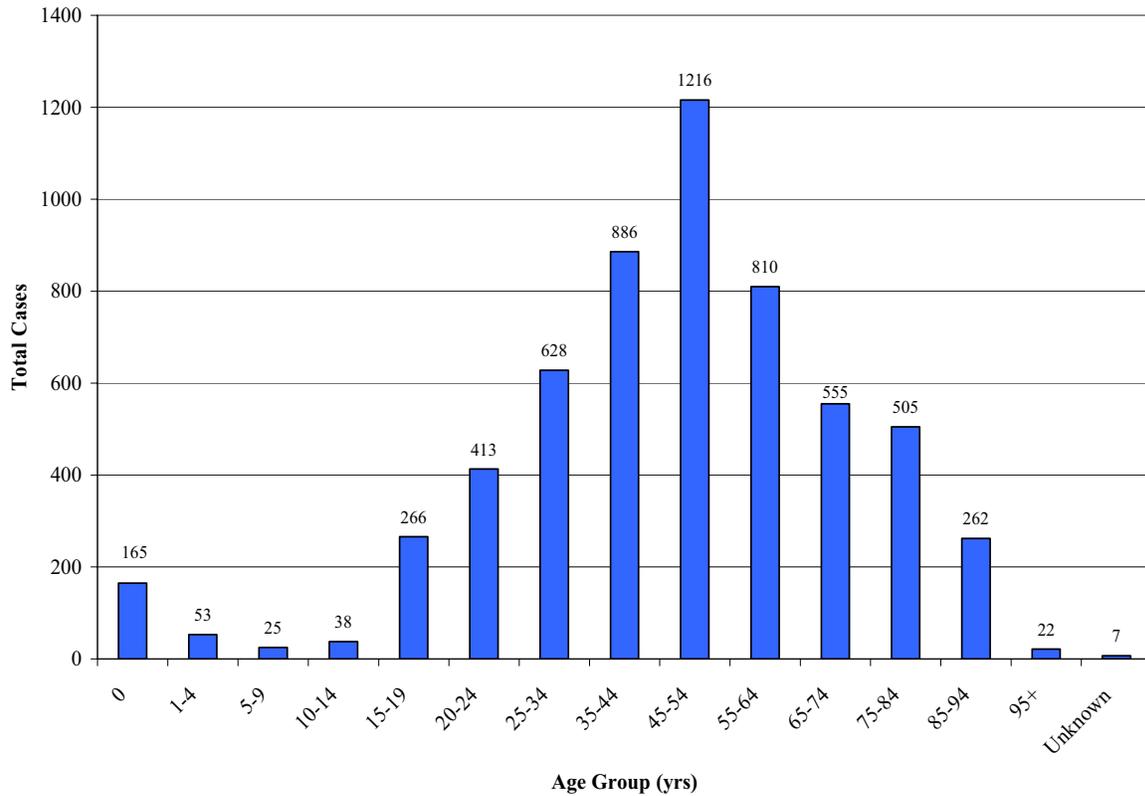


Table 4. Total Cases by Autopsy Status, 2006

Autopsy	Manner of Death					Total
	Accident	Homicide	Natural	Suicide	Undetermined	
Yes	960	421	882	725	84	3072
No	1393	6	1215	159	6	2779
% Yes	40.8%	98.6%	42.1%	82.0%	93.3%	52.5%
Total	2353	427	2097	884	90	5851

Figure 5. Proportion of Cases by Manner of Death, 2006

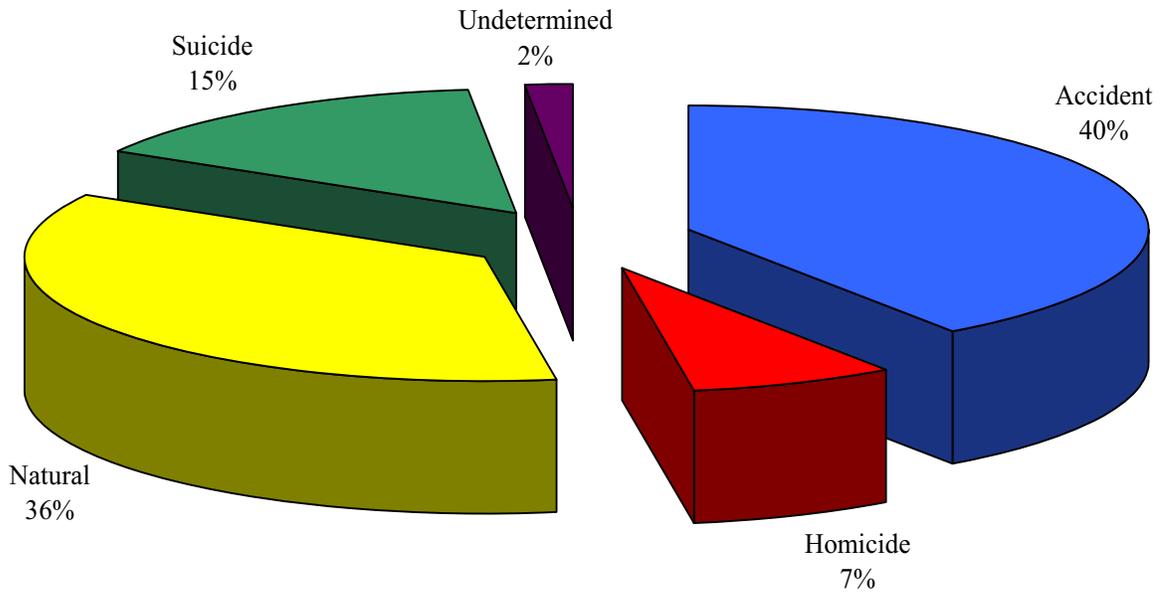


Figure 6. Total Cases by Manner of Death by Month of Death, 2006

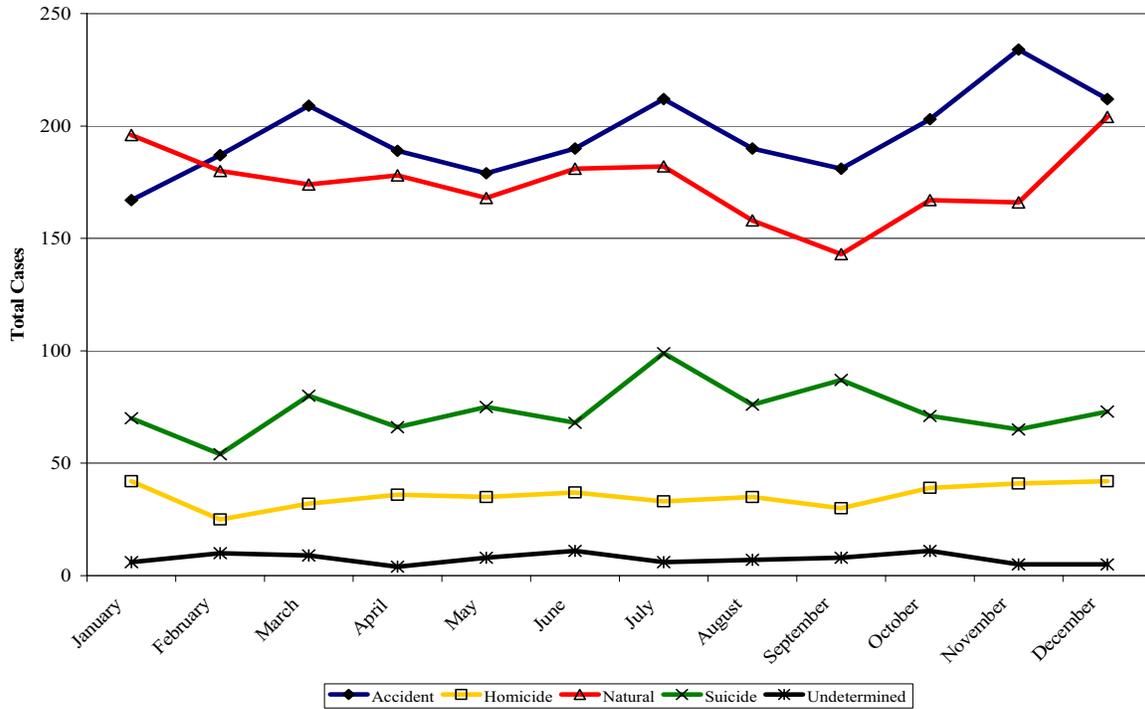


Figure 7. Total Cases by Manner of Death by Day of Death, 2006

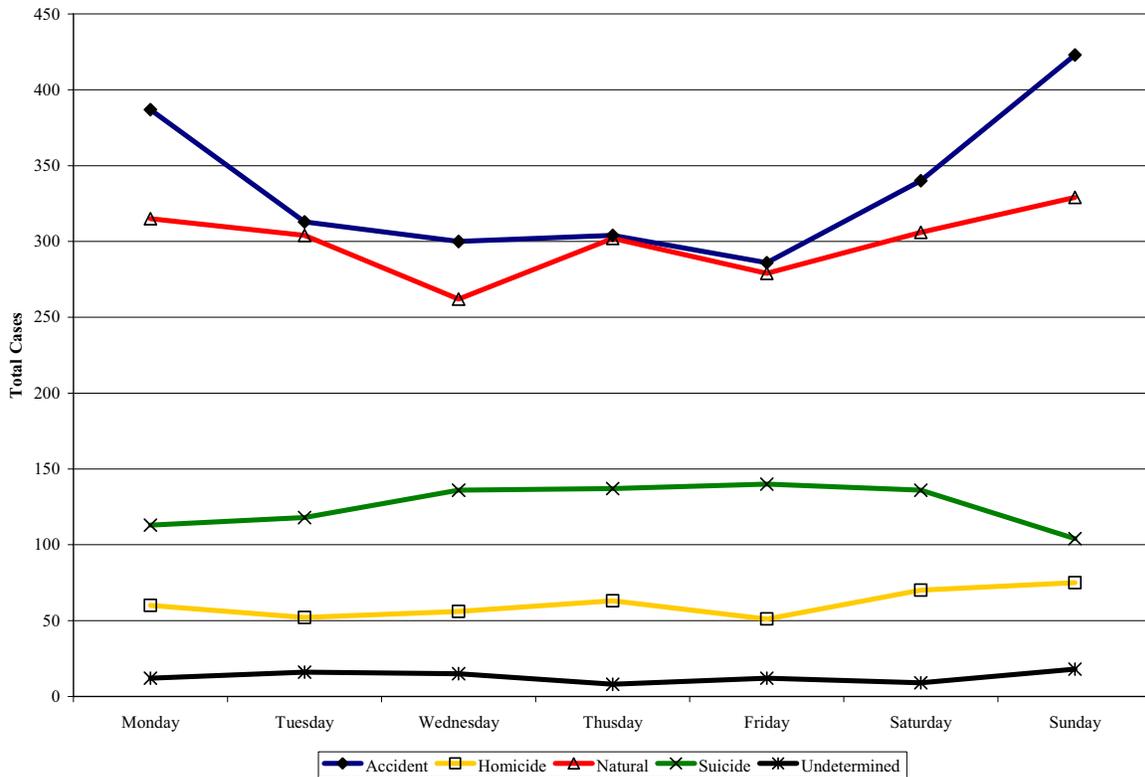


Table 5. Total Cases by Manner of Death by Gender, 2006

Manner of Death						
Gender	Accident (%)	Homicide (%)	Natural (%)	Suicide (%)	Undetermined (%)	Total (%)
Male	1618 (68.8%)	336 (78.7%)	1454 (69.3%)	671 (75.95%)	53 (58.9%)	4132 (70.6%)
Female	735 (31.2%)	91 (21.3%)	642 (30.6%)	213 (24.1%)	35 (38.9%)	1716 (29.3%)
Unknown	0 (0%)	0 (0%)	1 (0.04%)	0 (0%)	2 (2.2%)	3 (0.05%)
Total	2353	427	2097	884	90	5851

Figure 8. Total Cases by Manner of Death by Gender, 2006

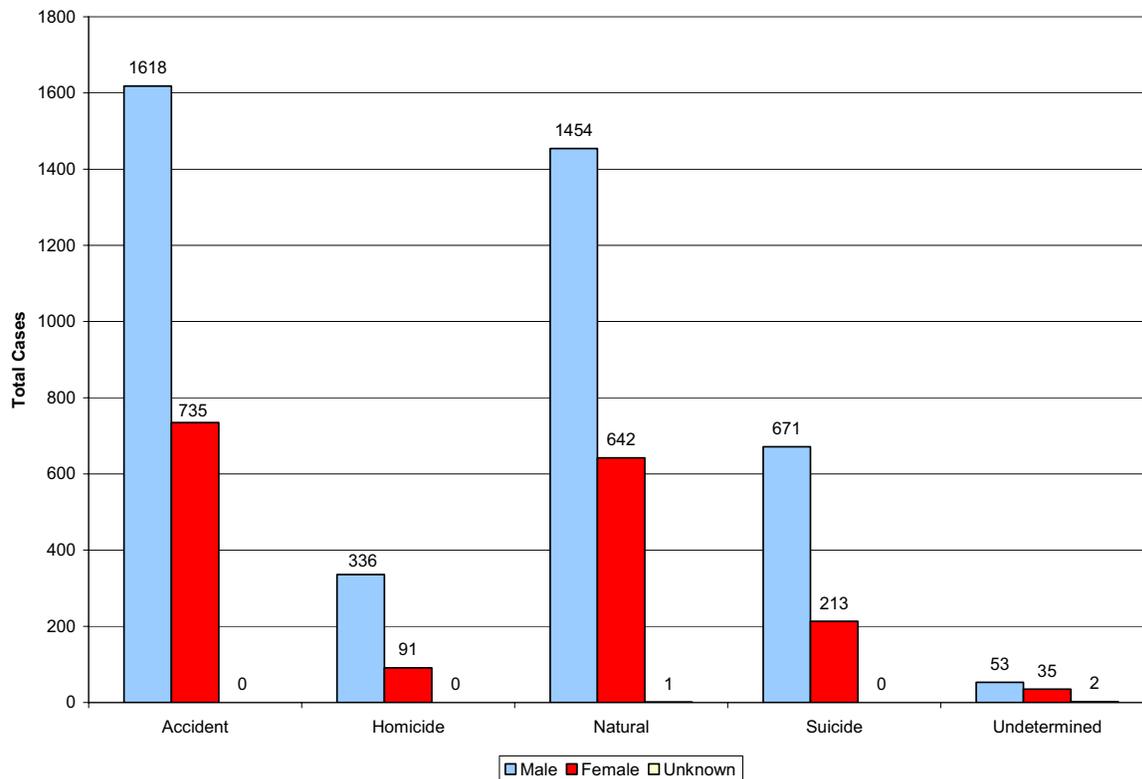


Table 6. Total Cases by Manner of Death by Age Group by Gender, 2006

		Manner of Death					
Gender	Age	Accident	Homicide	Natural	Suicide	Undetermined	Total
Female	0	11	6	50	0	11	78
	1-4	11	4	1	0	1	17
	5-9	7	1	1	0	0	9
	10-14	12	0	1	0	0	13
	15-19	38	4	4	6	0	52
	20-24	51	16	6	10	0	83
	25-34	60	12	23	29	3	127
	35-44	112	17	83	45	6	263
	45-54	99	13	128	61	7	308
	55-64	73	9	119	33	1	235
	65-74	60	4	88	14	2	168
	75-84	117	3	83	13	2	218
	85-94	73	1	49	2	1	126
	95+	11	1	6	0	0	18
	Unknown	0	0	0	0	1	1
Subtotal		735	91	642	213	35	1716
Male	0	11	8	52	0	15	86
	1-4	17	5	13	0	1	36
	5-9	11	1	3	0	1	16
	10-14	15	4	3	3	0	25
	15-19	126	38	20	28	2	214
	20-24	174	63	22	68	3	330
	25-34	232	86	85	93	5	501
	35-44	250	60	185	121	7	623
	45-54	322	40	386	152	8	908
	55-64	142	18	321	92	2	575
	65-74	114	8	206	57	2	387
	75-84	135	5	104	40	3	287
	85-94	67	0	52	17	0	136
	95+	2	0	2	0	0	4
	Unknown	0	0	0	0	4	4
Subtotal		1618	336	1454	671	53	4132
Unknown	0	0	0	1	0	0	1
Unknown	0	0	0	0	0	2	2
Subtotal		0	0	1	0	2	3
Total		2353	427	2097	884	90	5851

Figure 9. Total Cases by Manner of Death by Race/Ethnicity, 2006

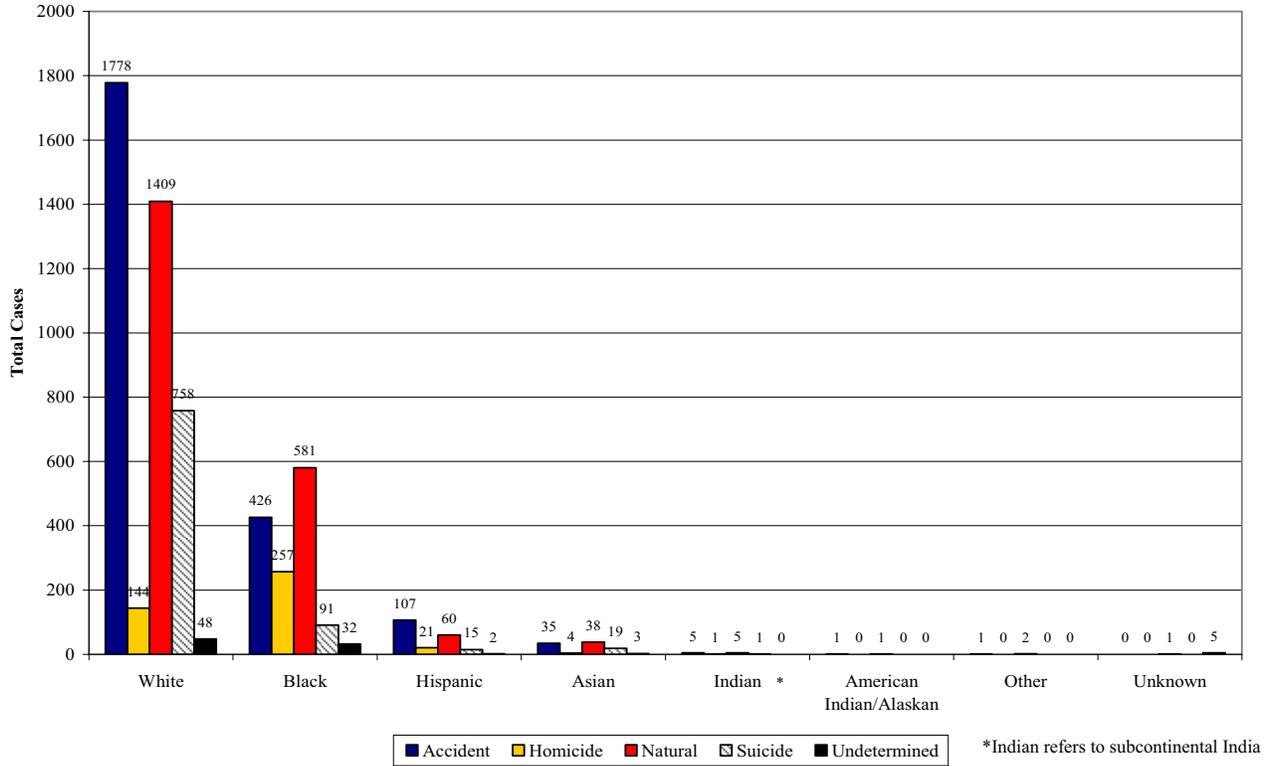


Figure 10. Total Cases by Manner of Death by Year of Death, 1999-2006

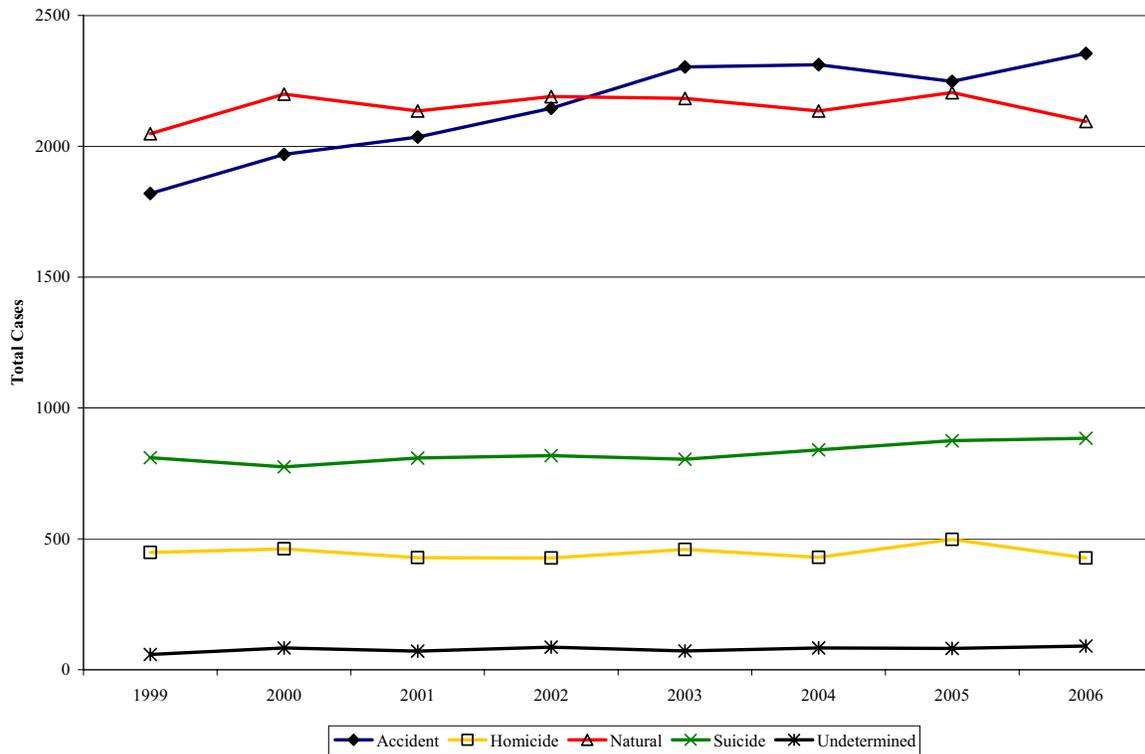


Table 7. Total Cases by Locality of Injury Leading to Death, 2006

Locality of Injury Leading to Death	Manner of Death					Total
	Accident Total	Homicide Total	Natural Total	Suicide Total	Undetermined Total	
ACCOMACK COUNTY	22	5	13	4	0	44
ALBEMARLE COUNTY	17	1	12	2	0	32
ALBERMARLE COUNTY	0	0	1	0	0	1
ALEXANDRIA	21	4	57	12	0	94
ALLEGHANY COUNTY	10	0	9	3	0	22
AMELIA COUNTY	4	0	3	2	0	9
AMHERST COUNTY	11	0	24	4	0	39
APPOMATTOX COUNTY	2	0	5	2	0	9
ARLINGTON	18	3	38	14	4	77
AUGUSTA COUNTY	26	3	19	12	1	61
BATH COUNTY	2	0	2	1	0	5
BEDFORD CITY	3	0	4	1	0	8
BEDFORD COUNTY	22	1	17	7	2	49
BLAND COUNTY	0	0	6	2	0	8
BOTETOURT COUNTY	12	0	7	3	0	22
BRISTOL	6	4	7	4	0	21
BRUNSWICK COUNTY	16	3	11	2	0	32
BUCHANAN COUNTY	21	1	5	5	1	33
BUCKINGHAM COUNTY	3	1	3	3	0	10
BUENA VISTA	0	0	2	0	0	2
CAMPBELL COUNTY	32	2	8	6	2	50
CAROLINE COUNTY	9	5	10	3	1	28
CARROLL COUNTY	17	1	10	6	0	34
CHARLES CITY COUNTY	4	0	2	0	0	6
CHARLOTTE COUNTY	4	0	5	3	0	12
CHARLOTTESVILLE	21	5	24	11	0	61
CHESAPEAKE	55	7	54	19	3	138
CHESTERFIELD COUNTY	56	5	54	29	4	148
CLARKE COUNTY	5	0	6	2	0	13
COLONIAL HEIGHTS	6	0	2	1	0	9
COVINGTON	4	0	4	2	0	10
CRAIG COUNTY	7	0	1	0	0	8
CULPEPER COUNTY	16	1	12	6	0	35
CUMBERLAND COUNTY	1	0	1	0	0	2
DANVILLE	16	5	17	7	2	47
DICKENSON COUNTY	11	0	4	2	0	17
DINWIDDIE COUNTY	12	5	14	3	0	34
EMPORIA	2	1	7	3	0	13
ESSEX COUNTY	4	0	2	0	1	7
FAIRFAX CITY	3	1	3	2	0	9
FAIRFAX COUNTY	221	29	161	85	6	502
FALLS CHURCH	2	0	0	0	0	2
FAUQUIER COUNTY	21	2	9	7	2	41
FLOYD COUNTY	13	0	5	2	0	20
FLUVANNA COUNTY	9	0	2	2	0	13
FRANKLIN CITY	2	0	1	0	0	3

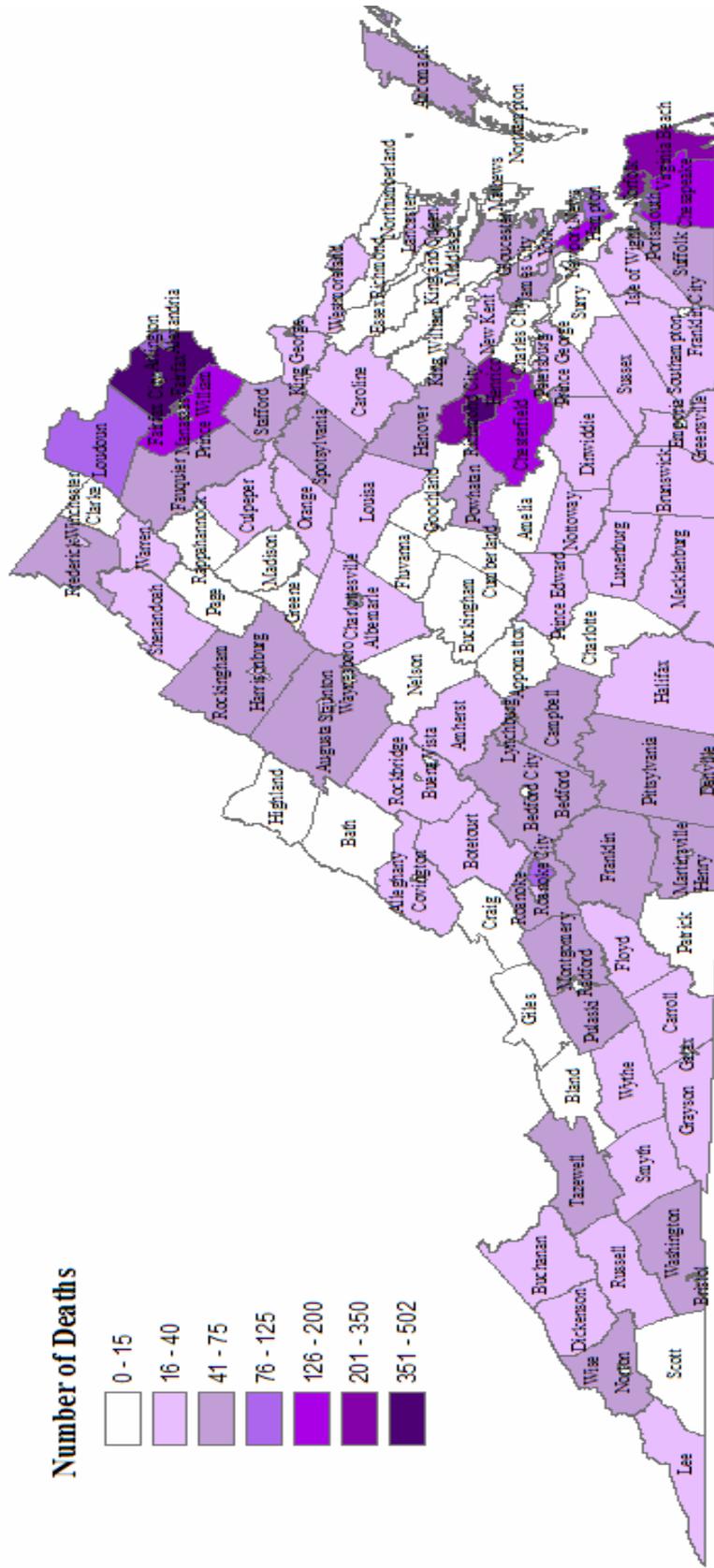
Manner of Death

Locality of Injury Leading to Death	Accident Total	Homicide Total	Natural Total	Suicide Total	Undetermined Total	Total
FRANKLIN COUNTY	27	2	14	5	1	49
FREDERICK COUNTY	23	7	14	9	0	53
FREDERICKSBURG	22	0	18	6	0	46
GALAX	0	1	2	1	0	4
GILES COUNTY	9	1	3	2	0	15
GLOUCESTER COUNTY	21	0	13	7	0	41
GOOCHLAND COUNTY	6	1	5	2	0	14
GRAYSON COUNTY	13	0	4	3	0	20
GREENE COUNTY	4	0	2	4	0	10
GREENSVILLE COUNTY	10	5	13	2	0	30
HALIFAX COUNTY	13	1	11	5	0	30
HAMPTON	31	14	50	13	0	108
HANOVER COUNTY	21	2	18	12	1	54
HARRISONBURG	11	4	11	2	0	28
HENRICO COUNTY	89	10	66	37	2	204
HENRY COUNTY	34	7	14	11	0	66
HIGHLAND COUNTY	1	0	2	0	0	3
HOPEWELL	5	4	11	1	0	21
ISLE OF WIGHT COUNTY	16	1	12	5	0	34
JAMES CITY COUNTY	17	1	18	5	1	42
KING & QUEEN COUNTY	5	0	3	2	0	10
KING GEORGE COUNTY	5	0	8	3	0	16
KING WILLIAM COUNTY	3	0	2	1	0	6
LANCASTER COUNTY	9	2	8	0	0	19
LEE COUNTY	11	0	12	5	0	28
LEXINGTON	3	0	0	0	0	3
LOUDOUN COUNTY	23	4	29	20	2	78
LOUISA COUNTY	16	0	9	5	0	30
LUNENBURG COUNTY	6	1	4	6	0	17
LYNCHBURG	13	2	25	8	1	49
MADISON COUNTY	3	0	4	2	0	9
MANASSAS	8	1	7	2	0	18
MARTINSVILLE	8	0	8	0	1	17
MATHEWS COUNTY	8	0	5	1	0	14
MECKLENBURG COUNTY	18	0	7	4	2	31
MIDDLESEX COUNTY	3	1	4	0	0	8
MONTGOMERY COUNTY	15	3	15	11	2	46
NELSON COUNTY	6	0	2	2	0	10
NEW KENT COUNTY	15	0	8	3	0	26
NEWPORT NEWS	52	20	59	11	2	144
NORFOLK	59	34	111	27	8	239
NORTHAMPTON COUNTY	6	2	4	0	0	12
NORTHUMBERLAND COUNTY	2	0	3	1	2	8
NORTON	3	0	2	0	0	5
NOTTOWAY COUNTY	6	0	14	1	0	21
ORANGE COUNTY	6	2	7	6	0	21
PAGE COUNTY	4	1	1	6	0	12
PATRICK COUNTY	5	0	1	3	0	9
PETERSBURG	16	10	23	1	0	50

Manner of Death

Locality of Injury Leading to Death	Accident Total	Homicide Total	Natural Total	Suicide Total	Undetermined Total	Total
PITTSYLVANIA COUNTY	28	2	15	13	0	58
POQUOSON	5	0	1	1	0	7
PORTSMOUTH	29	18	41	8	1	97
POWHATAN COUNTY	14	0	29	5	0	48
PRINCE EDWARD COUNTY	9	0	12	3	1	25
PRINCE GEORGE COUNTY	9	0	3	6	1	19
PRINCE WILLIAM COUNTY	70	12	59	32	4	177
PULASKI COUNTY	16	1	16	11	2	46
RADFORD	2	1	3	1	1	8
RAPPAHANNOCK COUNTY	0	1	2	0	1	4
RICHMOND CITY	127	85	126	32	4	374
RICHMOND COUNTY	2	0	1	1	0	4
ROANOKE CITY	37	13	35	10	0	95
ROANOKE COUNTY	27	1	18	11	0	57
ROCKBRIDGE COUNTY	12	0	12	5	0	29
ROCKINGHAM COUNTY	30	1	15	9	0	55
RUSSELL COUNTY	19	2	7	5	0	33
SALEM	13	0	1	4	0	18
SCOTT COUNTY	6	0	5	3	0	14
SHENANDOAH COUNTY	14	0	12	7	0	33
SMITHFIELD COUNTY	1	0	0	0	0	1
SMYTH COUNTY	13	0	16	3	1	33
SOUTH BOSTON	2	0	5	3	0	10
SOUTHAMPTON COUNTY	10	1	9	4	1	25
SPOTSYLVANIA COUNTY	29	4	21	13	0	67
STAFFORD COUNTY	18	1	18	6	1	44
STAUNTON	7	0	5	4	0	16
SUFFOLK	16	8	24	11	1	60
SURRY COUNTY	2	0	1	0	0	3
SUSSEX COUNTY	13	1	5	1	1	21
TAZEWELL COUNTY	36	0	16	11	1	64
VIRGINIA BEACH	101	20	101	61	5	288
WARREN COUNTY	6	2	9	3	0	20
WASHINGTON COUNTY	18	0	26	6	0	50
WAYNESBORO	7	0	2	6	0	15
WESTMORELAND COUNTY	13	2	3	4	1	23
WILLIAMSBURG	6	1	23	10	0	40
WINCHESTER	15	2	11	6	0	34
WISE COUNTY	31	0	8	9	2	50
WYTHE COUNTY	11	1	10	4	0	26
YORK COUNTY	14	3	13	3	1	34
TOTAL FOR STATE	2317	422	2088	882	84	5793
OUT OF STATE	33	2	7	2	1	45
UNKNOWN	3	3	2	0	5	13
TOTAL	2353	427	2097	884	90	5851

Figure 11. Total Cases by Location of Injury Leading to Death, 2006



Localities where the event/action/injury leading to death occurred, but the actual death may have occurred in a different locality.

Figure 12. Total Cases by Locality of Death, 2006

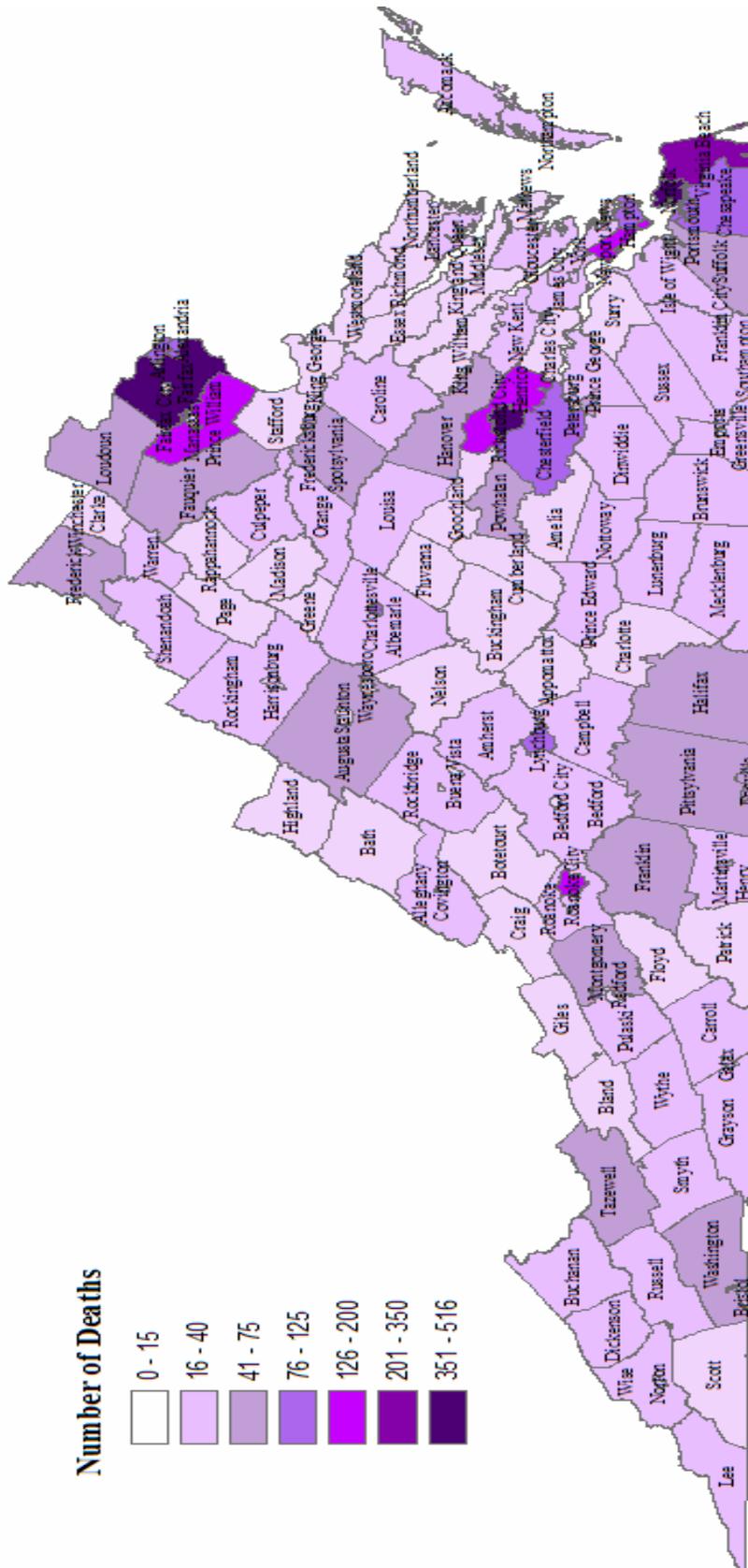


Table 8. Total Cases by Locality of Residence, 2006

Locality of Residence	Manner of Death											
	Accident Total	Accident Rate*	Homicide Total	Homicide Rate*	Natural Total	Natural Rate*	Suicide Total	Suicide Rate*	Undetermined Total	Undetermined Rate*	Total	Total Rate*
ACCOMACK COUNTY	18	45.7	5	12.7	12	30.5	4	10.2	0	0.0	39	99.1
ALBEMARLE COUNTY	13	14.1	2	2.2	12	13.0	3	3.3	0	0.0	30	32.6
ALEXANDRIA	21	15.3	2	1.5	41	29.9	13	9.5	2	1.5	79	57.7
ALLEGHANY COUNTY	7	42.2	0	0.0	9	54.2	4	24.1	0	0.0	20	120.5
AMELIA COUNTY	4	32.0	0	0.0	2	16.0	3	24.0	0	0.0	9	72.0
AMHERST COUNTY	13	40.3	0	0.0	25	77.5	3	9.3	1	3.1	42	130.3
APPOMATTOX COUNTY	4	28.3	0	0.0	6	42.5	2	14.2	0	0.0	12	84.9
ARLINGTON	16	8.0	4	2.0	31	15.5	11	5.5	4	2.0	66	33.0
AUGUSTA COUNTY	19	26.8	2	2.8	13	18.3	12	16.9	1	1.4	47	66.3
BATH COUNTY	2	41.5	0	0.0	2	41.5	1	20.8	0	0.0	5	103.9
BEDFORD CITY	3	48.0	0	0.0	2	32.0	1	16.0	0	0.0	6	96.0
BEDFORD COUNTY	22	33.1	1	1.5	19	28.6	7	10.5	2	3.0	51	76.7
BLAND COUNTY	0	0.0	0	0.0	5	72.4	2	29.0	0	0.0	7	101.4
BOTETOURT COUNTY	10	31.0	0	0.0	7	21.7	3	9.3	0	0.0	20	62.1
BRISTOL	4	22.9	2	11.4	6	34.3	3	17.1	0	0.0	15	85.7
BRUNSWICK COUNTY	3	16.7	2	11.1	11	61.3	1	5.6	0	0.0	17	94.8
BUCHANAN COUNTY	18	73.7	1	4.1	6	24.6	4	16.4	1	4.1	30	122.9
BUCKINGHAM COUNTY	3	18.6	1	6.2	2	12.4	3	18.6	0	0.0	9	55.9
BUENA VISTA	1	15.5	0	0.0	3	46.5	0	0.0	0	0.0	4	61.9
CAMPBELL COUNTY	28	53.2	4	7.6	9	17.1	6	11.4	2	3.8	49	93.0
CAROLINE COUNTY	8	29.9	4	15.0	9	33.7	3	11.2	1	3.7	25	93.5
CARROLL COUNTY	12	40.7	1	3.4	8	27.2	5	17.0	0	0.0	26	88.3
CHARLES CITY COUNTY	3	41.5	0	0.0	3	41.5	0	0.0	0	0.0	6	83.1
CHARLOTTE COUNTY	8	64.0	1	8.0	5	40.0	3	24.0	0	0.0	17	136.1
CHARLOTTESVILLE	14	34.7	3	7.4	20	49.6	9	22.3	0	0.0	46	114.1
CHESAPEAKE	48	21.8	11	5.0	43	19.5	17	7.7	3	1.4	122	55.3
CHESTERFIELD COUNTY	59	19.9	12	4.0	47	15.8	30	10.1	1	0.3	149	50.2
CLARKE COUNTY	6	41.2	0	0.0	7	48.1	2	13.7	0	0.0	15	103.0

Manner of Death

Locality of Residence	Accident		Homicide		Natural		Suicide		Undeter- mined		Total	
	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*
COLONIAL HEIGHTS	11	62.2	1	5.7	5	28.3	1	5.7	0	0.0	18	101.8
COVINGTON	5	82.3	0	0.0	6	98.8	2	32.9	0	0.0	13	214.1
CRAIG COUNTY	3	57.9	0	0.0	0	0.0	0	0.0	1	19.3	4	77.2
CULPEPER COUNTY	14	31.4	2	4.5	13	29.1	4	9.0	0	0.0	33	74.0
CUMBERLAND COUNTY	3	31.7	0	0.0	1	10.6	0	0.0	0	0.0	4	42.3
DANVILLE	16	35.1	5	11.0	18	39.5	8	17.5	2	4.4	49	107.5
DICKENSON COUNTY	15	92.7	0	0.0	5	30.9	2	12.4	0	0.0	22	136.0
DINWIDDIE COUNTY	7	27.2	4	15.6	11	42.8	2	7.8	0	0.0	24	93.4
EMPORIA	5	88.9	0	0.0	6	106.7	3	53.3	0	0.0	14	248.9
ESSEX COUNTY	7	65.8	0	0.0	1	9.4	0	0.0	1	9.4	9	84.6
FAIRFAX CITY	6	26.8	1	4.5	2	8.9	0	0.0	0	0.0	9	40.1
FAIRFAX COUNTY	152	15.0	24	2.4	130	12.9	85	8.4	2	0.2	393	38.9
FALLS CHURCH	2	18.5	0	0.0	1	9.3	1	9.3	0	0.0	4	37.0
FAUQUIER COUNTY	28	42.3	3	4.5	9	13.6	8	12.1	2	3.0	50	75.6
FLOYD COUNTY	11	74.4	0	0.0	4	27.0	2	13.5	0	0.0	17	115.0
FLUVANNA COUNTY	11	43.9	0	0.0	5	20.0	2	8.0	0	0.0	18	71.8
FRANKLIN CITY	6	68.2	0	0.0	1	11.4	1	11.4	0	0.0	8	90.9
FRANKLIN COUNTY	27	53.2	2	3.9	16	31.5	6	11.8	1	2.0	52	102.4
FREDERICK COUNTY	21	29.5	8	11.2	15	21.1	10	14.0	0	0.0	54	75.9
FREDERICKSBURG	18	84.6	0	0.0	10	47.0	7	32.9	0	0.0	35	164.5
GALAX	2	29.9	1	15.0	2	29.9	0	0.0	0	0.0	5	74.8
GILES COUNTY	7	40.2	0	0.0	4	23.0	2	11.5	0	0.0	13	74.7
GLOUCESTER COUNTY	25	65.3	0	0.0	15	39.2	6	15.7	0	0.0	46	120.1
GOOCHLAND COUNTY	10	49.8	1	5.0	3	14.9	2	10.0	0	0.0	16	79.7
GRAYSON COUNTY	8	49.5	0	0.0	2	12.4	4	24.8	0	0.0	14	86.6
GREENE COUNTY	12	67.8	0	0.0	1	5.6	4	22.6	0	0.0	17	96.0
GREENSVILLE COUNTY	5	45.4	4	36.3	13	118.1	2	18.2	0	0.0	24	218.1
HALIFAX COUNTY	15	41.5	0	0.0	15	41.5	8	22.1	0	0.0	38	105.1
HAMPTON	31	21.4	10	6.9	47	32.4	10	6.9	1	0.7	99	68.3
HANOVER COUNTY	19	19.2	4	4.0	19	19.2	13	13.1	1	1.0	56	56.6
HARRISONBURG	11	26.9	2	4.9	11	26.9	2	4.9	0	0.0	26	63.6

Manner of Death

Locality of Residence	Accident		Homicide		Natural		Suicide		Undeter- mined		Total	
	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*
HENRICO COUNTY	64	22.5	14	4.9	59	20.7	39	13.7	0	0.0	176	61.9
HENRY COUNTY	38	67.6	7	12.5	14	24.9	12	21.3	1	1.8	72	128.1
HIGHLAND COUNTY	2	79.7	0	0.0	2	79.7	0	0.0	0	0.0	4	159.4
HOPEWELL	5	22.0	4	17.6	10	44.0	2	8.8	0	0.0	21	92.4
ISLE OF WIGHT COUNTY	17	49.0	1	2.9	11	31.7	5	14.4	0	0.0	34	97.9
JAMES CITY COUNTY	10	16.7	0	0.0	13	21.8	4	6.7	1	1.7	28	46.9
KING & QUEEN COUNTY	4	57.9	0	0.0	3	43.5	2	29.0	0	0.0	9	130.4
KING GEORGE COUNTY	7	32.1	1	4.6	10	45.9	3	13.8	0	0.0	21	96.4
KING WILLIAM COUNTY	2	13.0	0	0.0	2	13.0	1	6.5	0	0.0	5	32.5
LANCASTER COUNTY	8	69.5	2	17.4	4	34.7	0	0.0	0	0.0	14	121.5
LEE COUNTY	11	46.2	0	0.0	13	54.7	5	21.0	0	0.0	29	121.9
LEXINGTON	3	44.5	0	0.0	0	0.0	0	0.0	0	0.0	3	44.5
LOUDOUN COUNTY	28	10.4	4	1.5	21	7.8	20	7.4	2	0.7	75	27.9
LOUISA COUNTY	14	44.8	0	0.0	10	32.0	5	16.0	0	0.0	29	92.9
LUNENBURG COUNTY	6	45.4	2	15.1	4	30.3	4	30.3	0	0.0	16	121.0
LYNCHBURG	19	28.1	2	3.0	22	32.5	9	13.3	0	0.0	52	76.8
MADISON COUNTY	3	22.0	0	0.0	2	14.7	2	14.7	0	0.0	7	51.4
MANASSAS	3	8.2	0	0.0	4	10.9	3	8.2	0	0.0	10	27.3
MARTINSVILLE	5	33.5	0	0.0	8	53.5	1	6.7	0	0.0	14	93.7
MATHEWS COUNTY	7	76.2	0	0.0	6	65.3	0	0.0	0	0.0	13	141.6
MECKLENBURG COUNTY	17	52.5	0	0.0	9	27.8	3	9.3	2	6.2	31	95.7
MIDDLESEX COUNTY	1	9.4	1	9.4	4	37.7	0	0.0	0	0.0	6	56.5
MONTGOMERY COUNTY	15	17.7	4	4.7	17	20.1	11	13.0	2	2.4	49	58.0
NELSON COUNTY	3	19.8	0	0.0	2	13.2	0	0.0	0	0.0	5	33.0
NEW KENT COUNTY	9	53.4	0	0.0	9	53.4	2	11.9	0	0.0	20	118.7
NEWPORT NEWS	47	26.4	20	11.2	53	29.7	11	6.2	2	1.1	133	74.6
NORFOLK	54	23.6	28	12.2	101	44.1	32	14.0	7	3.1	222	96.9
NORTHAMPTON COUNTY	6	44.1	2	14.7	4	29.4	0	0.0	0	0.0	12	88.2
NORTHUMBERLAND COUNTY	5	39.0	1	7.8	3	23.4	1	7.8	2	15.6	12	93.6
NORTON	2	54.9	0	0.0	2	54.9	0	0.0	0	0.0	4	109.8
NOTTOWAY COUNTY	8	51.4	0	0.0	10	64.2	1	6.4	0	0.0	19	122.0

Manner of Death

Locality of Residence	Accident		Homicide		Natural		Suicide		Undeter- mined		Total	
	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*	Undeter- mined Total	Rate*	Total	Rate*
ORANGE COUNTY	5	15.8	1	3.2	7	22.1	6	18.9	0	0.0	19	59.9
PAGE COUNTY	5	20.7	0	0.0	3	12.4	6	24.9	0	0.0	14	58.1
PATRICK COUNTY	2	10.4	0	0.0	1	5.2	2	10.4	0	0.0	5	26.0
PETERSBURG	17	52.4	10	30.8	24	74.0	2	6.2	1	3.1	54	166.4
PITTSYLVANIA COUNTY	24	39.0	3	4.9	15	24.4	12	19.5	0	0.0	54	87.8
POQUOSON	7	58.7	1	8.4	1	8.4	1	8.4	0	0.0	10	83.9
PORTSMOUTH	32	31.6	17	16.8	43	42.4	9	8.9	1	1.0	102	100.6
POWHATAN COUNTY	7	25.3	0	0.0	28	101.3	4	14.5	1	3.6	40	144.7
PRINCE EDWARD COUNTY	8	39.0	0	0.0	6	29.2	3	14.6	1	4.9	18	87.7
PRINCE GEORGE COUNTY	8	22.1	0	0.0	2	5.5	4	11.1	1	2.8	15	41.5
PRINCE WILLIAM COUNTY	70	19.6	12	3.4	64	17.9	27	7.6	2	0.6	175	49.0
PULASKI COUNTY	17	48.5	0	0.0	13	37.1	10	28.5	1	2.9	41	117.0
RADFORD	5	34.4	1	6.9	3	20.7	1	6.9	1	6.9	11	75.7
RAPPAHANNOCK COUNTY	3	41.6	0	0.0	2	27.8	1	13.9	1	13.9	7	97.2
RICHMOND CITY	132	68.4	74	38.4	127	65.8	32	16.6	6	3.1	371	192.3
RICHMOND COUNTY	0	0.0	0	0.0	1	10.9	0	0.0	0	0.0	1	10.9
ROANOKE CITY	44	48.1	13	14.2	34	37.1	11	12.0	1	1.1	103	112.5
ROANOKE COUNTY	24	26.5	1	1.1	12	13.3	7	7.7	0	0.0	44	48.6
ROCKBRIDGE COUNTY	11	51.6	0	0.0	10	46.9	4	18.7	0	0.0	25	117.2
ROCKINGHAM COUNTY	24	33.1	2	2.8	12	16.5	8	11.0	0	0.0	46	63.4
RUSSELL COUNTY	21	72.9	2	6.9	5	17.4	6	20.8	0	0.0	34	118.1
SALEM	7	28.2	0	0.0	1	4.0	6	24.2	0	0.0	14	56.4
SCOTT COUNTY	5	21.9	0	0.0	3	13.1	2	8.7	0	0.0	10	43.7
SHENANDOAH COUNTY	12	30.0	0	0.0	14	35.0	6	15.0	0	0.0	32	79.9
SMYTH COUNTY	11	33.8	0	0.0	17	52.3	3	9.2	1	3.1	32	98.4
SOUTHAMPTON COUNTY	4	22.5	1	5.6	10	56.1	3	16.8	1	5.6	19	106.7
SPOTSYLVANIA COUNTY	25	20.9	3	2.5	22	18.4	13	10.9	0	0.0	63	52.7
STAFFORD COUNTY	23	19.1	1	0.8	18	15.0	9	7.5	1	0.8	52	43.3
STAUNTON	9	38.6	1	4.3	7	30.0	4	17.1	0	0.0	21	90.0
SUFFOLK	14	17.3	8	9.9	26	32.1	8	9.9	1	1.2	57	70.3
SURRY COUNTY	1	14.0	0	0.0	0	0.0	0	0.0	0	0.0	1	14.0

Manner of Death

Locality of Residence	Accident		Homicide		Natural		Suicide		Undeter- mined		Total	
	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*	Total	Rate*
SUSSEX COUNTY	2	16.3	1	8.2	5	40.8	0	0.0	1	8.2	9	73.5
TAZEWELL COUNTY	34	76.2	1	2.2	13	29.1	11	24.7	1	2.2	60	134.5
VIRGINIA BEACH	93	21.3	23	5.3	97	22.3	59	13.5	3	0.7	275	63.1
WARREN COUNTY	9	24.9	2	5.5	8	22.2	3	8.3	0	0.0	22	60.9
WASHINGTON COUNTY	11	21.2	2	3.8	24	46.2	6	11.5	0	0.0	43	82.7
WAYNESBORO	8	37.3	0	0.0	2	9.3	5	23.3	0	0.0	15	69.9
WESTMORELAND COUNTY	13	75.6	1	5.8	3	17.5	4	23.3	1	5.8	22	128.0
WILLIAMSBURG	8	67.8	2	17.0	18	152.6	10	84.8	0	0.0	38	322.2
WINCHESTER	8	31.7	2	7.9	5	19.8	3	11.9	0	0.0	18	71.2
WISE COUNTY	31	74.0	0	0.0	9	21.5	8	19.1	1	2.4	49	116.9
WYTHE COUNTY	8	27.9	1	3.5	6	20.9	4	14.0	0	0.0	19	66.3
YORK COUNTY	9	14.5	2	3.2	12	19.4	2	3.2	1	1.6	26	42.0
TOTAL FOR STATE	2114	27.7	411	5.4	1921	25.1	855	11.2	77	1.0	5378	70.4
OUT OF COUNTRY	6	ND**	1	ND	6	ND	0	ND	0	ND	13	ND
OUT OF STATE	226	ND	12	ND	166	ND	28	ND	4	ND	436	ND
UNKNOWN	7	ND	3	ND	4	ND	1	ND	9	ND	24	ND
TOTAL	2353	ND	427	ND	2097	ND	884	ND	90	ND	5851	ND

*Rate per 100,000

**ND- No denominator

Figure 13. Total Cases by Residence, 2006

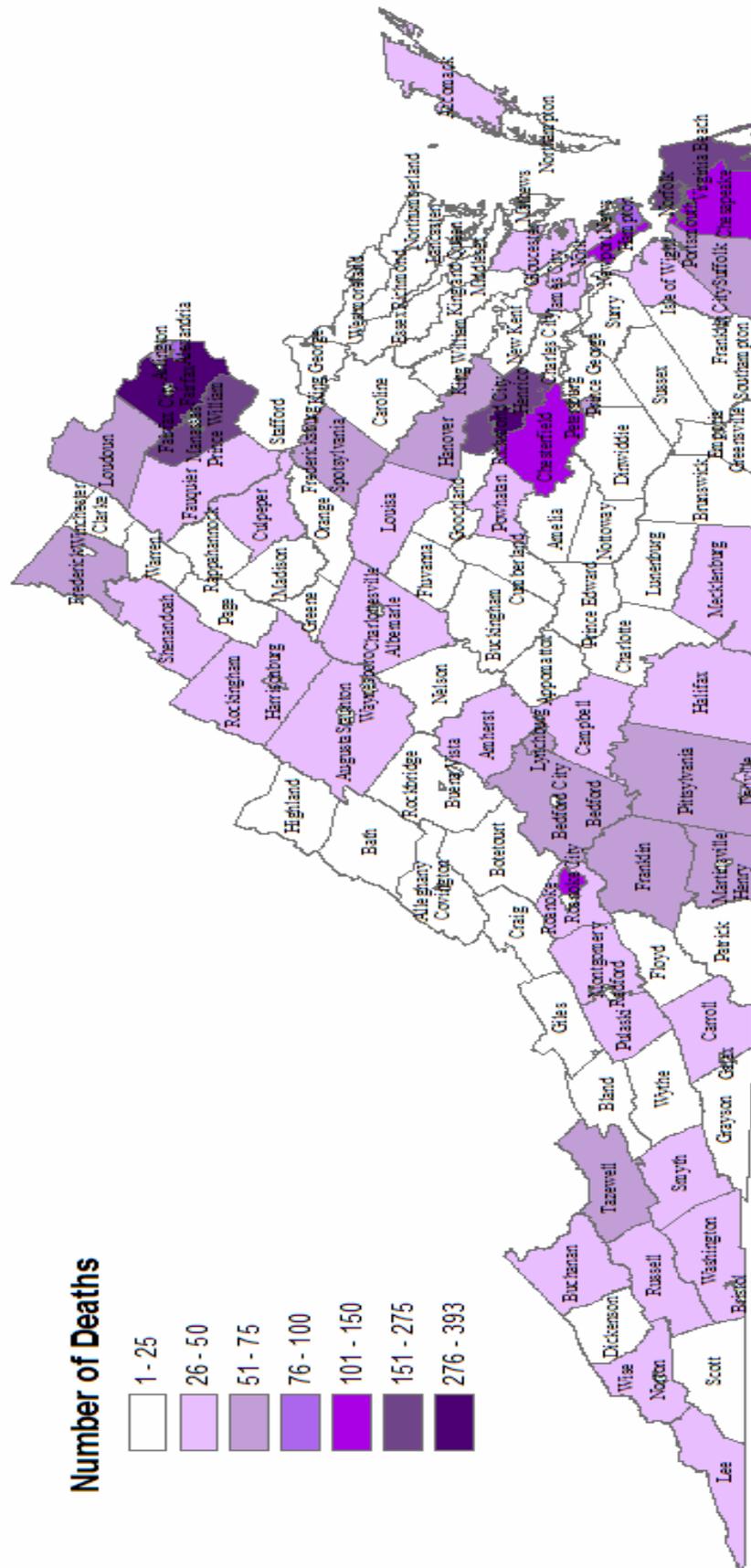


Table 9. Total Cases by Cause of Death, 2006

Natural Deaths	Total Cases	Autopsied
Aortic Dissection	13	9
Blood Disorders	6	3
Carcinomas	34	11
Cardiac Diseases	1374	464
Atherosclerosis	(1043)	(245)
Hypertension	(190)	(114)
Cardiac- Other	(141)	(105)
Central Nervous System Diseases/Disorders	94	53
Degenerative Diseases	(10)	(5)
Malignancy	(3)	(1)
Seizure Disorders	(34)	(22)
Vascular Diseases	(41)	(22)
CNS- Other	(6)	(3)
Diabetes	49	20
Excited Delirium (Not Cocaine Related)	3	3
Gastrointestinal Diseases	44	16
Gastrointestinal Hemorrhage	(27)	(8)
Malignancy	(8)	(3)
GI- Other	(9)	(5)
Infectious Diseases (ID)	133	89
AIDS/HIV	(8)	(2)
Bacterial Pneumonia	(65)	(43)
Viral Pneumonia	(1)	(1)
Meningitis (Bacterial & Viral)	(4)	(4)
Sepsis	(33)	(18)
Viral Infection	(7)	(7)
ID- Other	(15)	(14)
Liver Diseases	119	57
Cirrhosis	(6)	(4)
Chronic Ethanolism	(94)	(42)
Hepatitis	(9)	(5)
Malignancy	(7)	(5)
Liver- Other	(3)	(1)
Obesity	8	2
Pulmonary Diseases	107	61
Asthma	(12)	(8)
COPD	(27)	(10)
Malignancy	(18)	(10)
Emboli	(43)	(29)

Pulmonary-Other	(7)	(4)
Renal Diseases	8	2
Congenital Defect	19	14
Maternal and Fetal Complications	9	7
Sudden Infant Death Syndrome (SIDS)	64	64
Natural- Other	11	7
<i>Natural Subtotal</i>	2095	877
Unnatural Deaths	Total Cases	Autopsied
Asphyxia	390	232
Aspiration (Food/Foreign Object)	(20)	(9)
Drowning	(138)	(96)
Hanging	(151)	(69)
Mechanical	(22)	(12)
Positional	(10)	(8)
Strangulation	(15)	(12)
Suffocation/Smothering	(34)	(26)
Electrocution	8	7
Exposure	25	17
Hyperthermia	(11)	(5)
Hypothermia	(14)	(12)
Fire Injuries (Burns, CO Poisoning)	123	80
Gunshot Wound	812	803
Judicial Intervention	4	2
Substance Abuse	703	573
Ethanol Poisoning	(16)	(9)
Prescription Drug Poisoning	(344)	(298)
Illegal Drug Poisoning	(159)	(127)
Other Drug Poisonings (OTC, Inhalants, etc.)	(32)	(23)
Acute Combined Drug Poisoning	(120)	(104)
Carbon Monoxide Poisoning (Excludes Fire Deaths)	(32)	(12)
Blunt Force Injuries	1539	340
Head/Cervical Spine Injuries	(692)	(126)
Multiple Injuries	(847)	(214)
Sharp Force Injuries (Cut, Stab, Incised)	83	80
Unnatural- Other	24	13
<i>Unnatural Subtotal</i>	3711	2147
Undetermined Deaths	Total Cases	Autopsied
Sudden Unexpected Infant Death (SUID)	10	10
Skeletal/Mummified Remains	3	2
Undetermined After Autopsy and/or Investigation	32	31
<i>Undetermined Subtotal</i>	45	43
Total	5851	3072

SECTION 3: MANNER OF DEATH

NATURAL DEATH

Natural deaths enter the medical examiner system as deaths that are sudden, unexpected or suspicious, which upon examination and investigation are established as natural or as unattended by a physician for a disease process that could reasonably be expected to account for death.

- Natural deaths accounted for 35.8 percent of the deaths investigated by the OCME in 2006; the number investigated has increased 2.3 percent since 1999.
- For children 17 years and younger, the highest number of deaths occurred for those under the age of 1 year.

Figure 14. Natural Deaths by Gender by Age Group, 2006

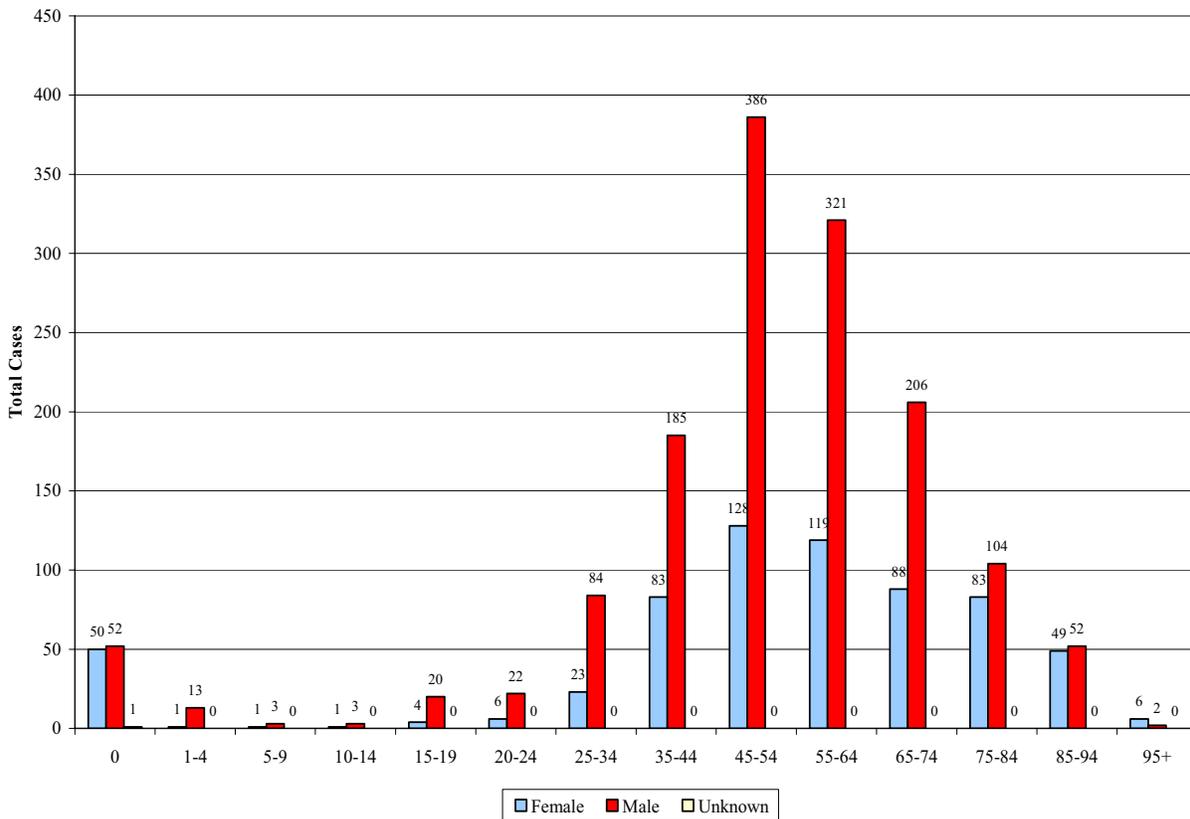
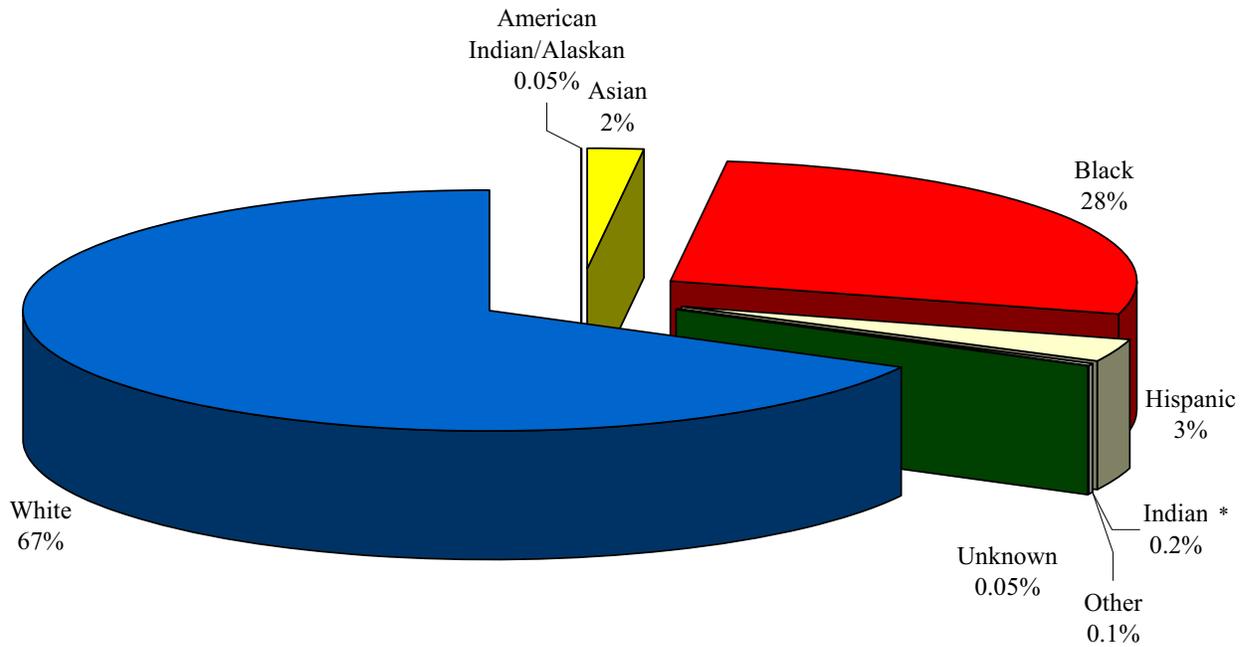
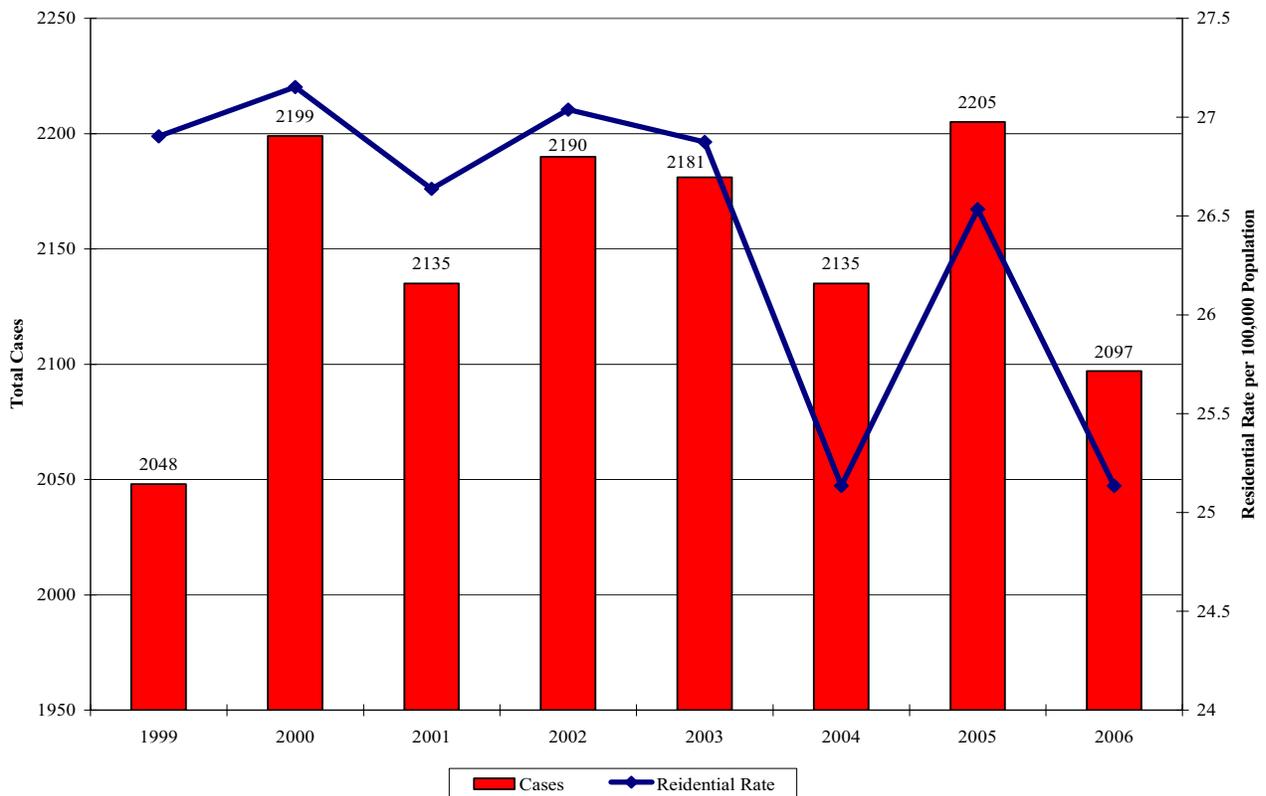


Figure 15. Natural Deaths by Race/Ethnicity, 2006



*Indian refers to subcontinental India

Figure 16. Natural Deaths by Year of Death, 1999-2006



ACCIDENTAL DEATHS

Accidental deaths accounted for 40.2 percent of the deaths investigated by OCME in 2006; this represents the greatest proportion of deaths by manner. The number of accidental deaths investigated annually by the OCME has increased 29.3 percent since 1999.

- Accidents involving a motor vehicle were the most common cause of accidental deaths with 43.9 percent; this was more than double the next leading cause, drug use, with 21.2 percent of all accidental deaths.

Figure 17. Accidental Deaths by Gender by Age Group, 2006

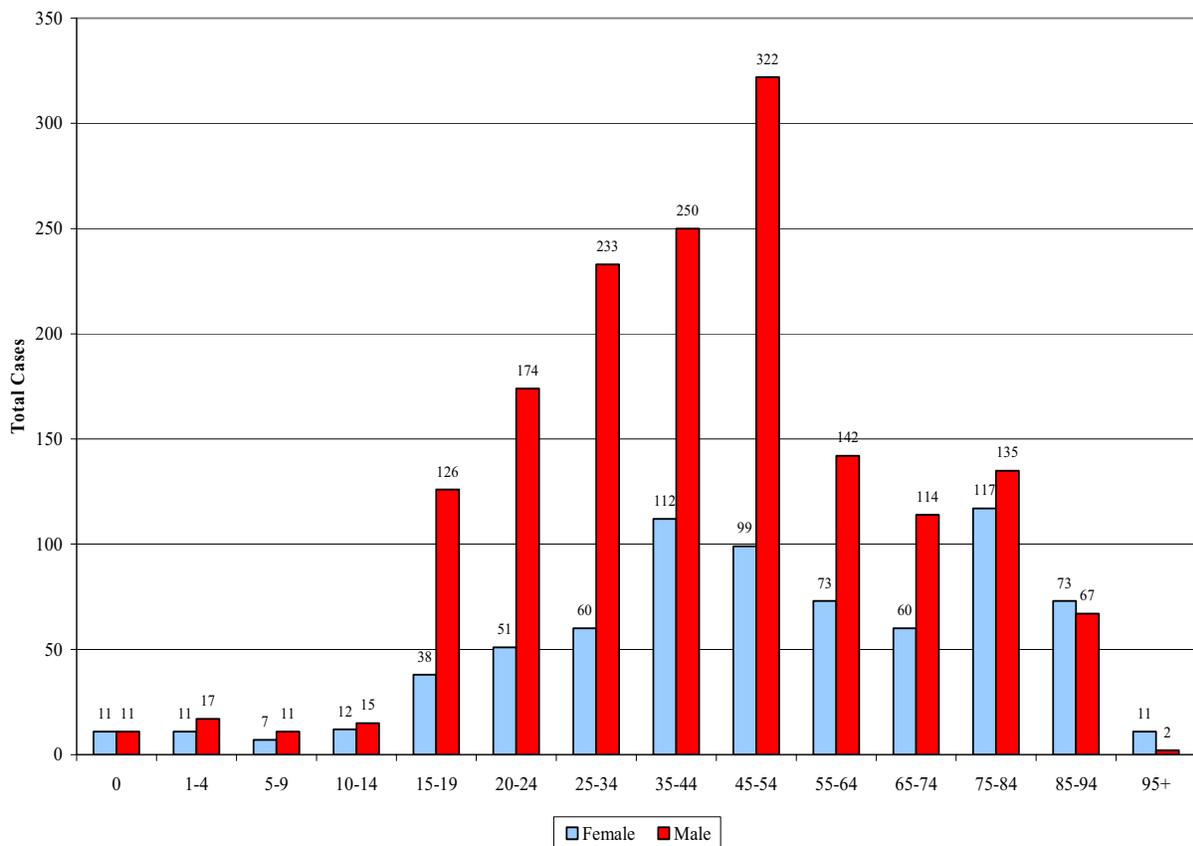
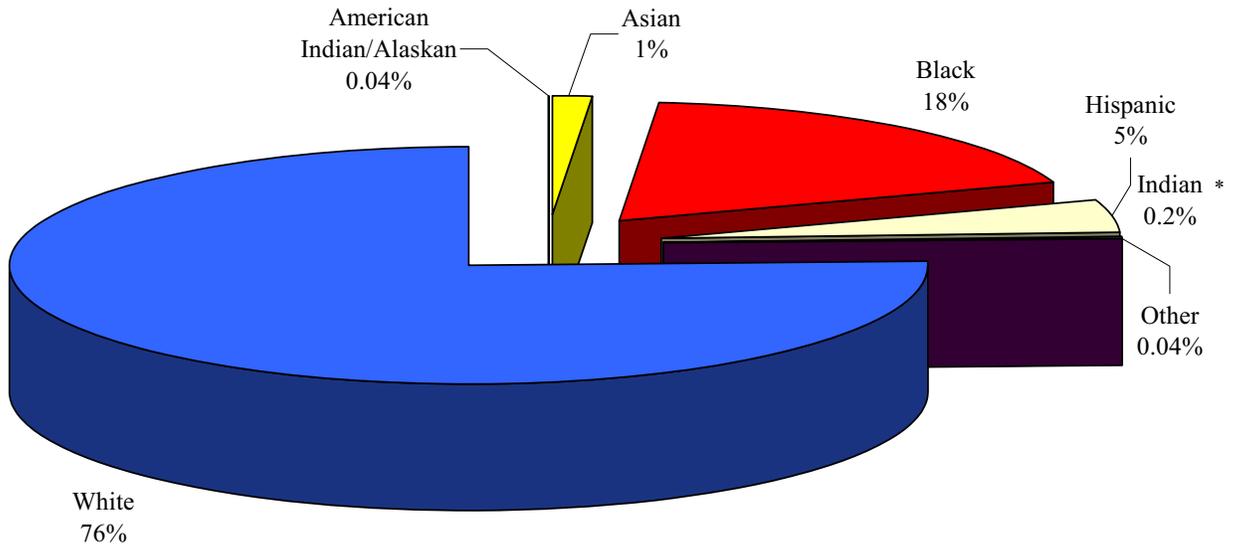


Figure 18. Proportion of Accidental Deaths by Race/Ethnicity, 2006



*Indian refers to subcontinental India

Figure 19. Accidental Deaths by Year of Death, 1999-2006

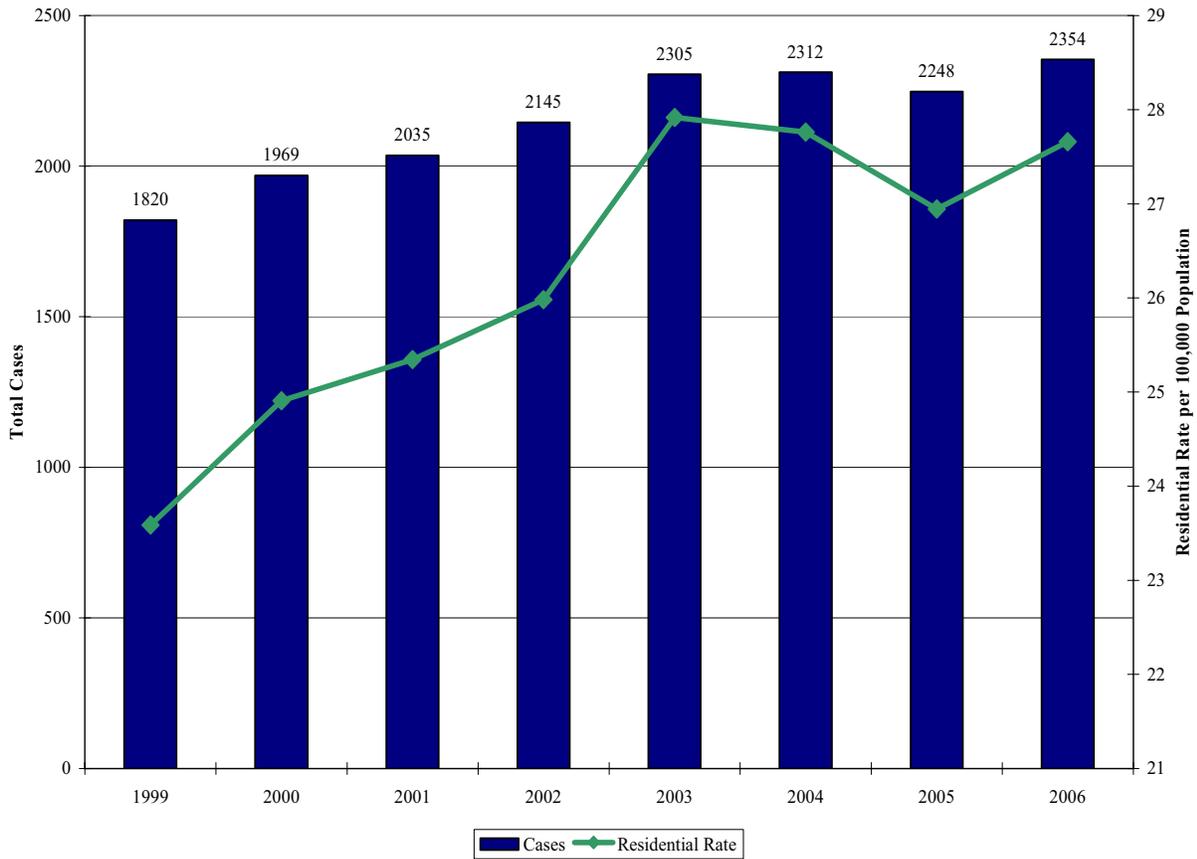


Table 10. Accidental Deaths by Method of Death, 2006

Method of Death	Total Cases	Autopsied
<i>Aircraft</i>		
Passenger/Pilot in aircraft crash	14	13
<i>Animal Related</i>		
Animal related (bitten, stung, kicked)	2	0
<i>Asphyxia</i>		
Allergic reaction	1	0
Choked on food/foreign object	18	7
Crushed/Suffocated	34	27
Drowned	114	75
Hanging	7	6
Plastic bag	1	1
Strangled	5	3
<i>Drug Use</i>		
Ingested ethanol or other alcohol	17	10
Ingested and/or injected illicit, prescription, and/or OTC medications	502	424
<i>Electrical</i>		
Contacted electrical current	8	7
<i>Exposure</i>		
Hypothermia	14	12
Hyperthermia	10	5
<i>Fall</i>		
Fall from all heights	373	76
<i>Fire</i>		
Scalded by hot water, hot oil, other agent	1	0
Smoke inhalation	58	38
Victim of explosion	2	2
Victim of fire	46	27
<i>Machinery</i>		
Farm or industrial machinery accident	25	9
<i>Motor Vehicle</i>		
ATV	19	0
Driver of auto/truck	566	95
Passenger of auto/truck	225	33
Pedestrian hit by auto/truck	94	19
Unknown occupant of auto/truck	22	4
Bicycle	19	4
Moped	1	0
Motorcycle	66	6
Train	5	4

Other type of vehicle	8	0
Poisoned		
Inhaled toxic agent (Carbon Monoxide)	11	7
Traumatic Injury		
Accidental discharge of firearm		
Handgun	7	6
Rifle	2	2
Shotgun	1	1
Other	2	2
Accidental cut injury	4	4
Cave-in	1	1
Falling object	30	16
Received blow/collided with object	4	3
Sports related	2	0
Other traumatic causes	12	10
Unknown		
Accidental - Unknown	1	1
Total	2354	960

Table 11. Accidental Deaths by Locality of Injury Leading to Death by Leading Methods of Death, 2006

Locality of injury leading to accidental death	LEADING METHODS OF DEATH OF ACCIDENTAL DEATHS						TOTAL
	Drowned	Fall	Ingested and/or injected illicit, prescription, and/or OTC medications	Driver of auto/truck	Passenger of auto/truck	Pedestrian hit by auto/truck	
ACCOMACK COUNTY	4	1	3	6	6	0	20
ALBEMARLE COUNTY	0	2	2	6	2	1	13
ALEXANDRIA	1	3	13	0	0	1	18
ALLEGHANY COUNTY	1	0	2	4	2	1	10
AMELIA COUNTY	0	0	0	4	0	0	4
AMHERST COUNTY	0	2	2	2	1	0	7
APPOMATTOX COUNTY	0	1	1	0	0	0	2
ARLINGTON	0	4	8	1	2	0	15
AUGUSTA COUNTY	0	0	3	11	5	1	20
BATH COUNTY	0	1	0	0	0	1	2
BEDFORD CITY	0	1	1	0	0	0	2
BEDFORD COUNTY	1	6	3	5	1	0	16
BOTETOURT COUNTY	0	3	0	6	0	1	10
BRISTOL	1	1	3	0	1	0	6
BRUNSWICK COUNTY	1	2	0	6	6	0	15
BUCHANAN COUNTY	0	1	9	8	0	0	18
BUCKINGHAM COUNTY	0	0	0	3	0	0	3
CAMPBELL COUNTY	1	4	4	17	1	0	27
CAROLINE COUNTY	0	0	1	4	2	0	7

LEADING METHODS OF DEATH OF ACCIDENTAL DEATHS

Locality of injury leading to accidental death	Ingested and/or injected illicit, prescription, and/or OTC medications		Driver of auto/truck	Passenger of auto/truck	Pedestrian hit by auto/truck	TOTAL	
	Drowned	Fall					
CARROLL COUNTY	0	1	4	9	1	0	15
CHARLES CITY COUNTY	0	0	0	1	1	0	2
CHARLOTTE COUNTY	2	0	0	2	0	0	4
CHARLOTTESVILLE	0	5	5	4	2	1	17
CHESAPEAKE	2	9	11	13	8	3	46
CHESTERFIELD COUNTY	4	9	10	9	10	2	44
CLARKE COUNTY	0	0	0	2	1	0	3
COLONIAL HEIGHTS	0	0	4	1	1	0	6
COVINGTON	0	2	0	1	0	0	3
CRAIG COUNTY	0	0	1	2	2	0	5
CULPEPER COUNTY	0	0	4	6	1	0	11
CUMBERLAND COUNTY	0	0	1	0	0	0	1
DANVILLE	0	1	6	3	0	0	10
DICKENSON COUNTY	1	0	7	0	0	0	8
DINWIDDIE COUNTY	1	2	0	4	2	0	9
EMPORIA	0	1	0	1	0	0	2
ESSEX COUNTY	0	1	1	1	0	0	3
FAIRFAX CITY	0	0	0	1	1	1	3
FAIRFAX COUNTY	10	70	22	39	18	24	183
FAUQUIER COUNTY	1	2	2	7	2	0	14
FLOYD COUNTY	0	1	3	4	0	0	8
FLUVANNA COUNTY	0	3	0	2	2	0	7
FRANKLIN CITY	0	0	2	0	0	0	2
FRANKLIN COUNTY	0	3	7	8	6	0	24
FREDERICK COUNTY	1	3	5	6	1	2	18
FREDERICKSBURG	1	8	5	3	2	0	19
GILES COUNTY	2	1	3	1	1	0	8
GLOUCESTER COUNTY	1	3	1	5	5	1	16
GOOCHLAND COUNTY	0	2	1	2	0	0	5
GRAYSON COUNTY	2	0	0	6	0	0	8
GREENE COUNTY	1	0	0	2	0	0	3
GREENSVILLE COUNTY	0	1	0	3	4	0	8
HALIFAX COUNTY	0	1	2	7	0	0	10
HAMPTON	1	4	9	6	1	1	22
HANOVER COUNTY	0	4	1	6	2	5	18
HARRISONBURG	1	4	4	0	0	0	9
HENRICO COUNTY	6	17	15	18	8	8	72
HENRY COUNTY	0	2	12	9	4	1	28
HIGHLAND COUNTY	0	1	0	0	0	0	1
HOPEWELL	1	1	1	1	0	0	4
ISLE OF WIGHT	0	4	2	7	3	0	16
JAMES CITY COUNTY	0	4	6	5	0	0	15
KING & QUEEN COUNTY	0	0	1	2	0	0	3
KING GEORGE COUNTY	0	0	1	3	1	0	5
KING WILLIAM COUNTY	0	0	1	0	1	0	2
LANCASTER COUNTY	0	0	1	3	1	1	6
LEE COUNTY	0	0	5	5	0	0	10

LEADING METHODS OF DEATH OF ACCIDENTAL DEATHS

Locality of injury leading to accidental death	Ingested and/or injected illicit, prescription, and/or OTC medications			Driver of auto/truck	Passenger of auto/truck	Pedestrian hit by auto/truck	TOTAL
	Drowned	Fall					
LEXINGTON	1	2	0	0	0	0	3
LOUDOUN COUNTY	0	4	5	7	3	1	20
LOUISA COUNTY	0	3	2	5	4	0	14
LUNENBURG COUNTY	0	1	0	3	1	0	5
LYNCHBURG	0	6	2	1	0	1	10
MADISON COUNTY	0	0	0	1	0	0	1
MANASSAS	1	1	2	1	2	0	7
MARTINSVILLE	0	1	3	1	0	0	5
MATHEWS COUNTY	2	2	0	2	0	0	6
MECKLENBURG COUNTY	0	1	1	5	5	0	12
MIDDLESEX COUNTY	1	0	1	1	0	0	3
MONTGOMERY COUNTY	0	0	7	2	0	0	9
NELSON COUNTY	1	0	1	2	1	1	6
NEW KENT COUNTY	2	1	0	5	4	0	12
NEWPORT NEWS	3	9	17	3	3	1	36
NORFOLK	7	6	20	10	4	4	51
NORTHAMPTON COUNTY	0	0	0	3	1	0	4
NORTHUMBERLAND COUNTY	0	0	0	1	0	0	1
NORTON	0	0	2	1	0	0	3
NOTTOWAY COUNTY	0	0	0	2	1	1	4
ORANGE COUNTY	0	1	0	2	1	1	5
PAGE COUNTY	0	0	2	2	0	0	4
PATRICK COUNTY	0	1	0	2	0	0	3
PETERSBURG	0	2	4	2	2	0	10
PITTSYLVANIA COUNTY	0	2	7	8	3	1	21
POQUOSON	2	1	2	0	0	0	5
PORTSMOUTH	1	4	13	3	0	1	22
POWHATAN COUNTY	2	0	1	8	1	0	12
PRINCE EDWARD COUNTY	0	1	1	2	1	0	5
PRINCE GEORGE COUNTY	1	1	0	6	1	0	9
PRINCE WILLIAM COUNTY	3	1	17	18	8	7	54
PULASKI COUNTY	0	2	8	2	2	0	14
RADFORD	0	0	1	0	0	0	1
RICHMOND CITY	5	28	31	21	6	2	93
RICHMOND COUNTY	0	0	0	1	1	0	2
ROANOKE CITY	0	11	10	3	2	2	28
ROANOKE COUNTY	0	4	7	4	4	0	19
ROCKBRIDGE COUNTY	1	1	1	3	0	2	8
ROCKINGHAM COUNTY	1	3	3	11	8	0	26
RUSSELL COUNTY	1	0	10	4	0	1	16
SALEM	0	3	2	3	0	1	9
SCOTT COUNTY	1	0	1	2	2	0	6
SHENANDOAH COUNTY	1	0	1	5	3	0	10
SMITHFIELD COUNTY	0	1	0	0	0	0	1
SMYTH COUNTY	0	0	5	4	0	1	10
SOUTH BOSTON	0	0	1	0	0	1	2
SOUTHAMPTON COUNTY	0	0	0	4	2	1	7

LEADING METHODS OF DEATH OF ACCIDENTAL DEATHS

Locality of injury leading to accidental death	Ingested and/or injected illicit, prescription, and/or OTC medications		Driver of auto/truck	Passenger of auto/truck	Pedestrian hit by auto/truck	TOTAL	
	Drowned	Fall					
SPOTSYLVANIA COUNTY	2	7	1	9	2	0	21
STAFFORD COUNTY	3	1	3	3	0	1	11
STAUNTON	0	1	2	2	0	0	5
SUFFOLK	3	0	1	10	1	1	16
SURRY COUNTY	0	0	0	2	0	0	2
SUSSEX COUNTY	0	0	0	9	3	0	12
TAZEWELL COUNTY	0	2	20	7	0	0	29
VIRGINIA BEACH	14	31	20	11	5	4	85
WARREN COUNTY	1	0	2	2	0	0	5
WASHINGTON COUNTY	0	2	5	3	3	0	13
WAYNESBORO	0	0	4	2	0	0	6
WESTMORELAND COUNTY	1	1	0	5	1	0	8
WILLIAMSBURG	0	1	1	2	0	0	4
WINCHESTER	0	2	4	5	3	0	14
WISE COUNTY	1	0	20	5	0	0	26
WYTHE COUNTY	1	2	0	5	2	0	10
YORK COUNTY	3	4	4	2	1	0	14
TOTAL FOR STATE	114	360	499	563	218	92	1846
OUT OF STATE	0	9	3	3	6	2	23
UNKNOWN	0	4	0	0	1	0	5
TOTAL	114	373	502	566	225	94	1874

Table 12. Accidental Deaths by Locality of Death by Year of Death, 1999-2006

Locality of Death	Year of Death								Total
	1999	2000	2001	2002	2003	2004	2005	2006	
ACCOMACK	13	17	17	14	16	17	18	16	128
ALBEMARLE COUNTY	15	6	7	22	26	37	24	16	153
ALEXANDRIA	19	16	17	20	14	18	14	22	140
ALLEGHANY COUNTY	4	3	3	4	3	5	4	10	36
AMELIA COUNTY	4	5	3	5	2	4	7	4	34
AMHERST COUNTY	9	4	5	3	5	3	4	7	40
APPOMATTOX COUNTY	2	1	3	6	2	2	6	1	23
ARLINGTON	28	35	34	44	31	21	15	17	225
AUGUSTA COUNTY	16	18	24	24	26	28	33	25	194
BATH COUNTY	3	1	2	3	6	2	0	1	18
BEDFORD CITY	1	1	5	2	2	0	5	1	17
BEDFORD COUNTY	15	9	16	16	14	18	19	14	121
BLAND COUNTY	2	1	8	4	2	2	3	0	22
BOTETOURT COUNTY	9	7	9	8	6	10	3	4	56
BRISTOL	1	1	0	2	6	4	11	5	30
BRUNSWICK COUNTY	8	8	7	9	5	12	19	13	81
BUCHANAN COUNTY	11	10	16	19	20	21	6	20	123
BUCKINGHAM COUNTY	8	7	8	5	8	6	4	2	48

Year of Death

Locality of Death	1999	2000	2001	2002	2003	2004	2005	2006	Total
BUENA VISTA	0	0	0	1	0	1	13	0	15
CAMPBELL COUNTY	11	12	7	12	15	10	12	14	93
CAROLINE COUNTY	9	12	8	16	6	12	8	9	80
CARROLL COUNTY	7	9	5	5	8	9	0	12	55
CHARLES CITY COUNTY	2	2	2	6	4	2	0	5	23
CHARLOTTE COUNTY	10	4	5	3	4	4	8	4	42
CHARLOTTESVILLE	74	60	70	71	83	58	72	65	553
CHESAPEAKE	26	24	30	44	38	37	32	40	271
CHESTERFIELD COUNTY	43	43	28	46	50	48	44	34	336
CLARKE COUNTY	1	2	3	2	6	3	7	5	29
COLONIAL HEIGHTS	0	3	1	0	1	1	2	4	12
COVINGTON	3	0	0	0	2	0	0	1	6
CRAIG COUNTY	0	0	0	3	1	0	3	5	12
CULPEPER COUNTY	5	8	12	8	12	15	4	11	75
CUMBERLAND COUNTY	6	4	1	0	2	1	9	1	24
DANVILLE	17	23	22	16	21	25	26	22	172
DICKENSON COUNTY	4	2	7	9	7	10	7	10	56
DINWIDDIE COUNTY	7	10	5	6	8	12	8	9	65
EMPORIA	8	4	4	7	8	12	5	1	49
ESSEX COUNTY	6	5	10	6	8	11	5	5	56
FAIRFAX CITY	3	0	2	2	3	1	2	2	15
FAIRFAX COUNTY	171	201	196	235	232	217	233	227	1712
FALLS CHURCH	0	1	1	0	0	0	0	1	3
FAUQUIER COUNTY	24	11	17	11	21	22	23	22	151
FLOYD COUNTY	5	8	7	6	11	4	2	7	50
FLUVANNA COUNTY	2	4	2	2	11	3	6	7	37
FRANKLIN CITY	0	0	1	0	1	0	2	1	5
FRANKLIN COUNTY	17	9	19	14	16	18	22	20	135
FREDERICK COUNTY	0	2	2	6	15	17	13	22	77
FREDERICKSBURG	20	27	18	26	39	29	33	27	219
GALAX	5	5	8	6	3	2	8	7	44
GILES COUNTY	6	5	6	4	12	6	7	8	54
GLOUCESTER COUNTY	8	7	12	4	11	7	12	14	75
GOOCHLAND COUNTY	3	4	3	2	8	2	4	4	30
GRAYSON COUNTY	6	7	2	3	4	8	6	10	46
GREENE COUNTY	6	3	2	5	3	8	9	4	40
GREENSVILLE COUNTY	3	4	1	2	3	5	5	8	31
HALIFAX COUNTY	22	16	16	18	16	26	16	15	145
HAMPTON	25	17	19	21	33	24	18	27	184
HANOVER COUNTY	20	27	13	16	25	35	24	17	177
HARRISONBURG	14	19	6	11	10	12	14	13	99
HENRICO COUNTY	40	51	50	59	65	64	65	77	471
HENRY COUNTY	7	6	8	8	17	13	2	17	78
HIGHLAND COUNTY	3	2	2	0	0	0	0	0	7
HOPEWELL	7	6	14	5	3	5	5	7	52
ISLE OF WIGHT	8	7	10	4	13	7	5	6	60
JAMES CITY COUNTY	4	7	4	7	11	10	6	12	61
KING & QUEEN COUNTY	2	2	0	3	3	3	4	2	19
KING GEORGE COUNTY	4	1	2	8	5	4	3	5	32
KING WILLIAM COUNTY	2	4	5	14	3	2	4	2	36

Year of Death

Locality of Death	1999	2000	2001	2002	2003	2004	2005	2006	Total
LANCASTER COUNTY	11	8	5	9	4	3	3	7	50
LEE COUNTY	8	14	13	6	23	17	20	9	110
LEXINGTON	10	4	1	5	1	4	2	1	28
LOUDOUN COUNTY	15	16	25	15	26	35	23	21	176
LOUISA COUNTY	7	11	8	12	7	14	10	13	82
LUNENBURG COUNTY	7	4	2	8	2	5	2	5	35
LYNCHBURG	39	42	39	40	45	50	36	43	334
MADISON COUNTY	2	2	2	4	5	5	3	0	23
MANASSAS	15	10	12	12	14	14	8	11	96
MARTINSVILLE	17	13	24	15	17	20	13	23	142
MATHEWS COUNTY	2	1	3	2	4	0	2	5	19
MECKLENBURG COUNTY	13	14	12	13	13	12	15	16	108
MIDDLESEX COUNTY	5	2	4	6	4	5	4	3	33
MONTGOMERY COUNTY	29	21	29	22	22	24	24	22	193
NELSON COUNTY	5	5	5	9	7	4	4	5	44
NEW KENT COUNTY	2	6	7	2	8	2	5	13	45
NEWPORT NEWS	56	56	52	52	56	54	52	58	436
NORFOLK	114	127	144	138	105	129	129	130	1016
NORTHAMPTON COUNTY	9	7	13	10	10	11	11	11	82
NORTHUMBERLAND COUNTY	0	3	2	1	3	1	6	2	18
NORTON	6	5	6	5	5	11	8	11	57
NOTTOWAY COUNTY	7	3	6	2	10	5	8	6	47
ORANGE COUNTY	7	4	6	10	6	9	8	7	57
PAGE COUNTY	3	10	10	7	7	5	6	3	51
PATRICK COUNTY	4	6	8	7	6	20	10	5	66
PETERSBURG	19	18	10	18	13	7	12	20	117
PITTSYLVANIA COUNTY	8	12	21	21	7	14	13	19	115
POQUOSON	3	0	2	0	0	2	1	3	11
PORTSMOUTH	24	23	24	24	27	34	24	22	202
POWHATAN COUNTY	0	2	5	3	8	2	6	13	39
PRINCE EDWARD COUNTY	2	7	11	4	8	7	13	8	60
PRINCE GEORGE COUNTY	3	9	7	8	5	10	6	7	55
PRINCE WILLIAM COUNTY	20	38	36	36	42	34	47	63	316
PULASKI COUNTY	11	8	18	20	14	13	17	11	112
RADFORD	2	3	1	3	0	2	3	1	15
RAPPAHANNOCK	1	0	1	1	3	3	5	0	14
RICHMOND CITY	166	200	188	179	225	203	170	204	1535
RICHMOND COUNTY	3	1	1	2	1	1	2	2	13
ROANOKE CITY	74	76	80	98	89	99	100	108	724
ROANOKE COUNTY	8	10	10	8	15	10	12	9	82
ROCKBRIDGE COUNTY	6	11	2	9	12	13	8	9	70
ROCKINGHAM COUNTY	10	9	11	13	19	20	15	20	117
RUSSELL COUNTY	9	11	29	12	29	25	19	19	153
SALEM	3	10	6	8	10	6	8	13	64
SCOTT COUNTY	3	10	9	12	9	12	6	6	67
SHENANDOAH COUNTY	6	8	7	12	11	11	10	15	80
SMYTH COUNTY	9	10	9	10	11	12	10	13	84
SOUTHAMPTON COUNTY	9	17	12	6	7	12	10	11	84
SPOTSYLVANIA COUNTY	13	21	15	8	13	12	16	23	121
STAFFORD COUNTY	7	7	12	4	12	8	5	15	70

Locality of Death	Year of Death								Total
	1999	2000	2001	2002	2003	2004	2005	2006	
STAUNTON	1	1	3	1	6	2	2	5	21
SUFFOLK	20	21	17	31	14	22	20	15	160
SURRY COUNTY	1	5	3	4	1	1	5	2	22
SUSSEX COUNTY	9	3	7	9	6	3	9	12	58
TAZEWELL COUNTY	8	9	15	19	20	26	37	39	173
VIRGINIA BEACH	57	70	73	67	72	76	93	91	599
WARREN COUNTY	7	11	5	9	16	19	10	6	83
WASHINGTON COUNTY	19	21	9	17	25	26	26	18	161
WAYNESBORO	2	1	3	3	0	3	6	6	24
WESTMORELAND COUNTY	5	1	9	6	5	3	5	7	41
WILLIAMSBURG	2	10	16	13	7	9	12	6	75
WINCHESTER	16	21	25	29	18	23	27	16	175
WISE COUNTY	7	16	7	11	21	27	12	25	126
WYTHE COUNTY	6	15	12	20	6	15	8	6	88
YORK COUNTY	2	8	12	2	11	5	11	10	61
TOTAL FOR STATE	1818	1968	2033	2145	2303	2326	2246	2354	17193
UNKNOWN	1	0	0	0	0	0	0	0	1
OUT OF STATE	1	1	2	0	2	2	2	0	10
TOTAL	1820	1969	2035	2145	2305	2328	2248	2354	17204

SUICIDE DEATHS

In 2006, suicide deaths occurred most frequently in males (75.9%) and those aged 45-54 years (24.1%). Fifty-six percent of suicides were committed using some type of a firearm.

- Whites committed suicide at almost two and a half times the rate of blacks, three times the rate of Asians, and over four and a half times the rate of Hispanics (14.5 per 100,000 for whites compared to 6.0 per 100,000 for blacks, 4.9 per 100,000 for Asians, and 3.1 per 100,000 for Hispanics).
- White males were 17.3 times more likely to commit suicide than black females.
- Fairfax continued to be the locality with the highest number of resident suicides or 9.6 percent of suicide deaths in 2006.
- Franklin City, Lexington, and Manassas Park had the lowest total numbers of suicide deaths in Virginia.

Figure 20. Suicide Deaths by Gender by Age Group, 2006

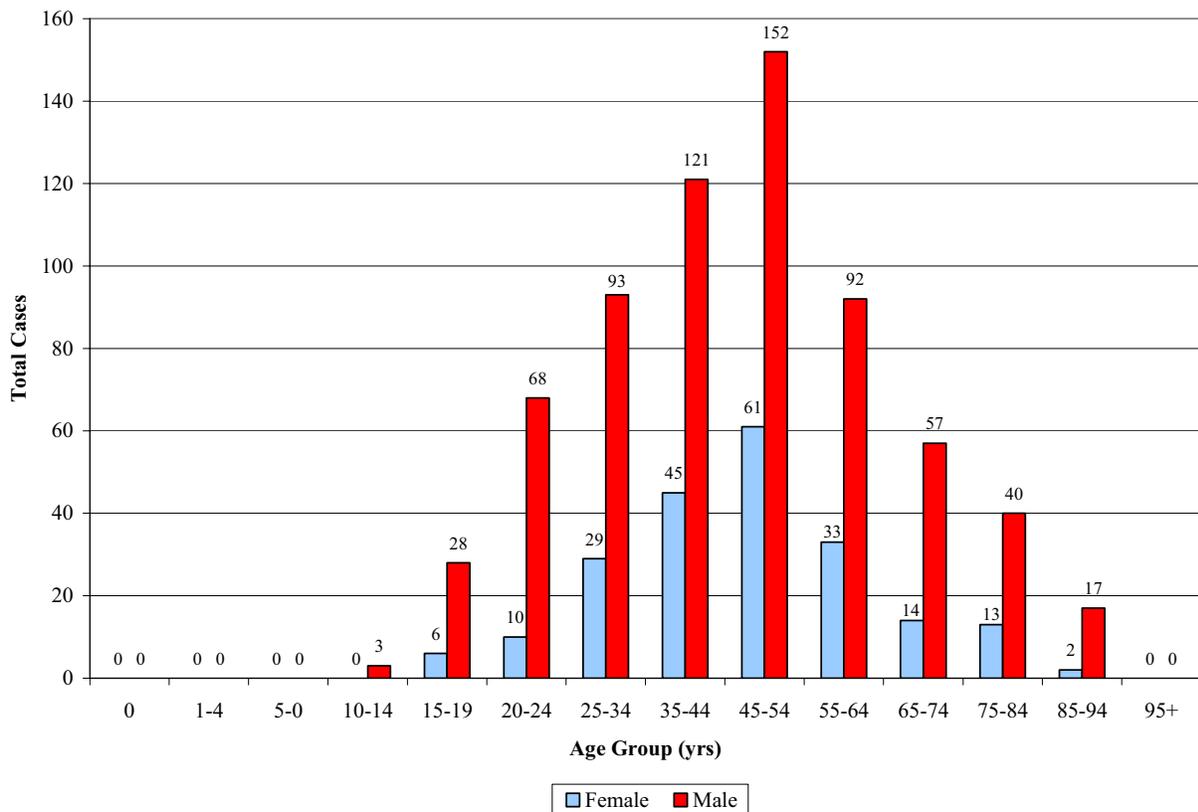
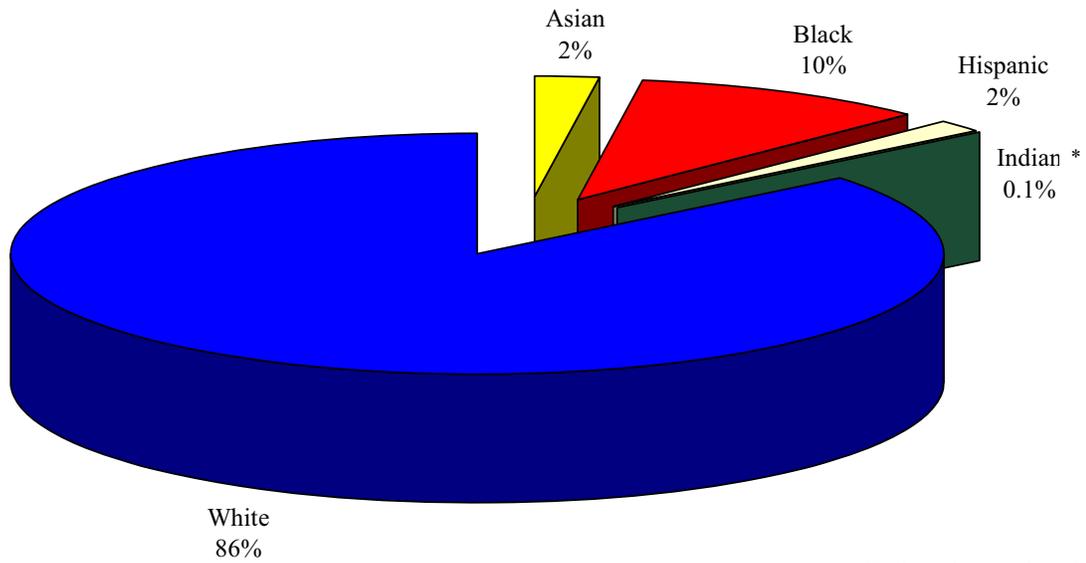
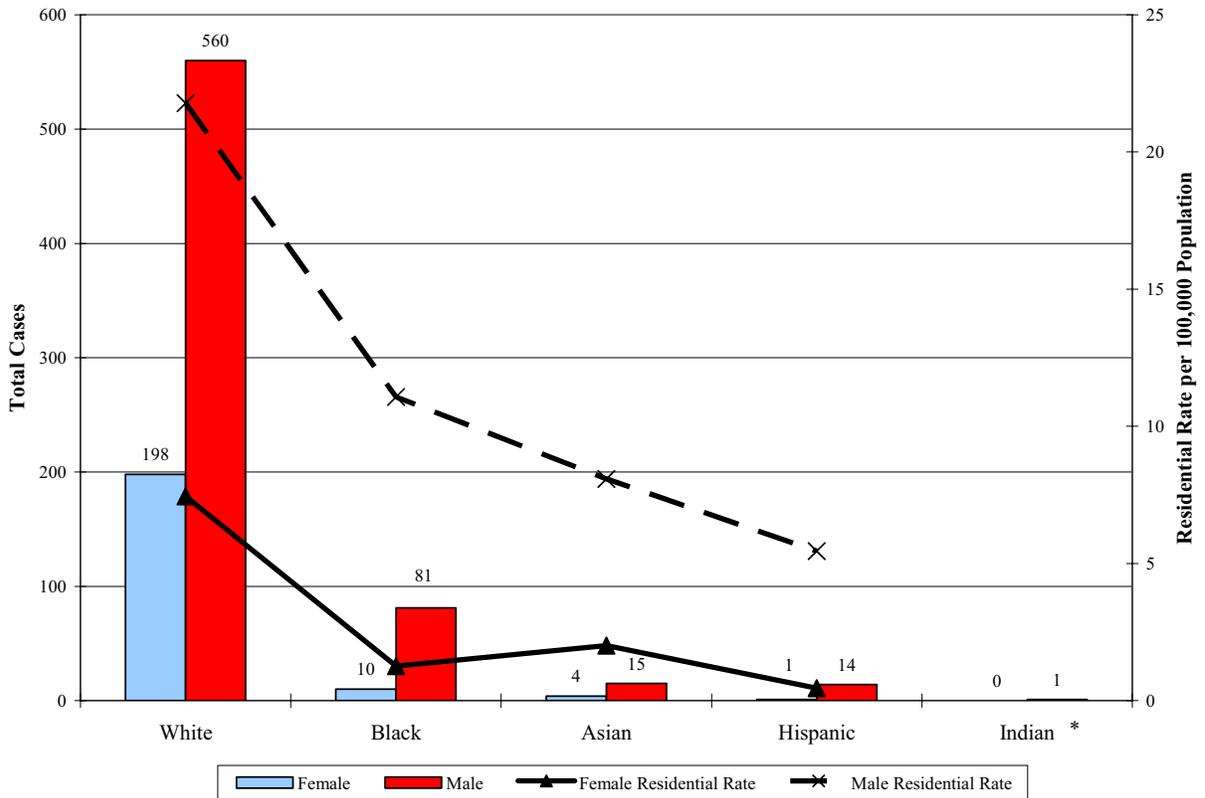


Figure 21. Suicide Deaths by Race/Ethnicity, 2006



*Indian refers to subcontinental India

Figure 22. Suicide Deaths by Gender by Race/Ethnicity, 2006



*Indian refers to subcontinental India

Figure 23. Suicide Deaths by Year of Death, 1999-2006

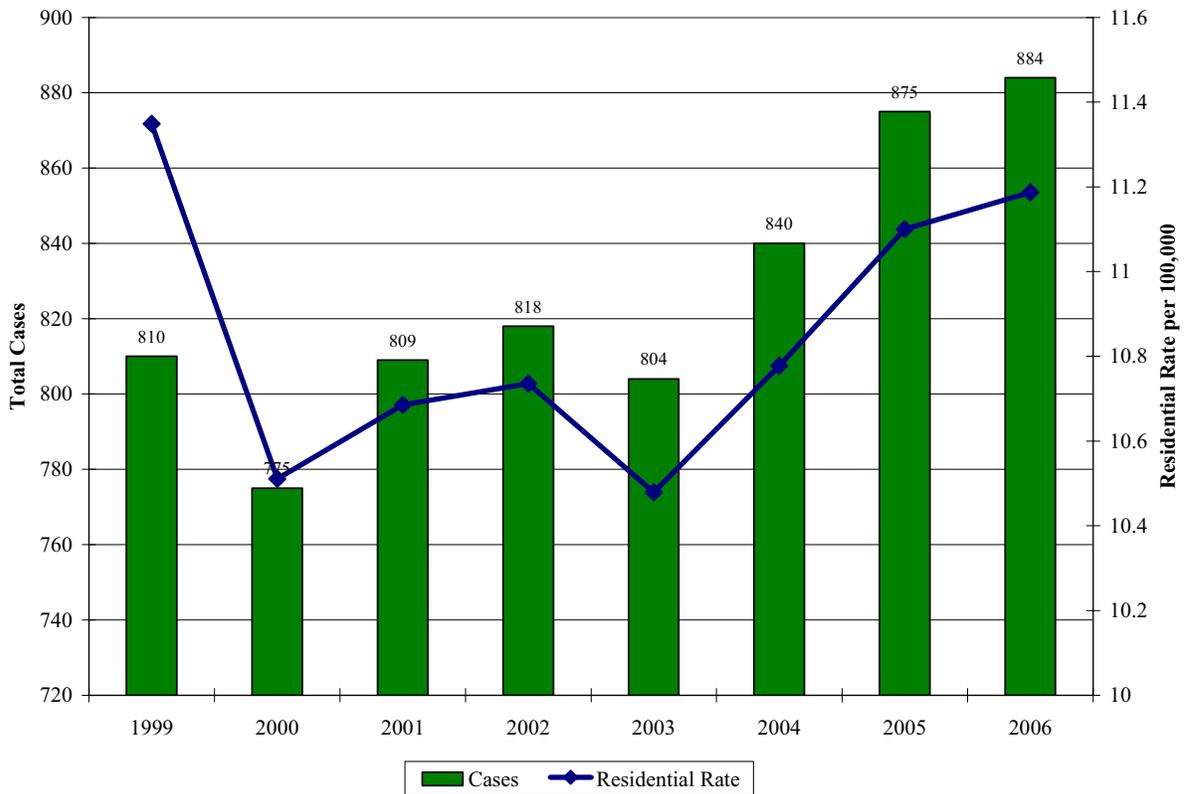


Figure 24. Suicide Deaths by Month of Death, 2006

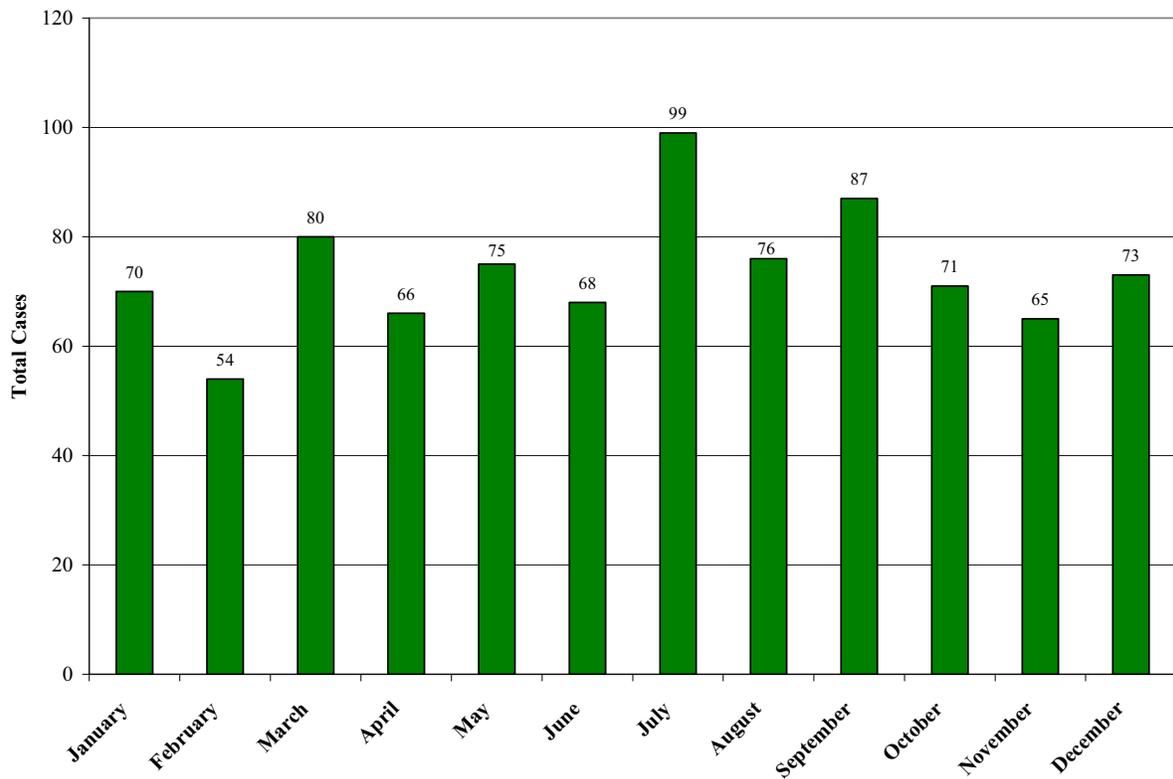


Figure 25. Suicide Deaths by Day of Death, 2006

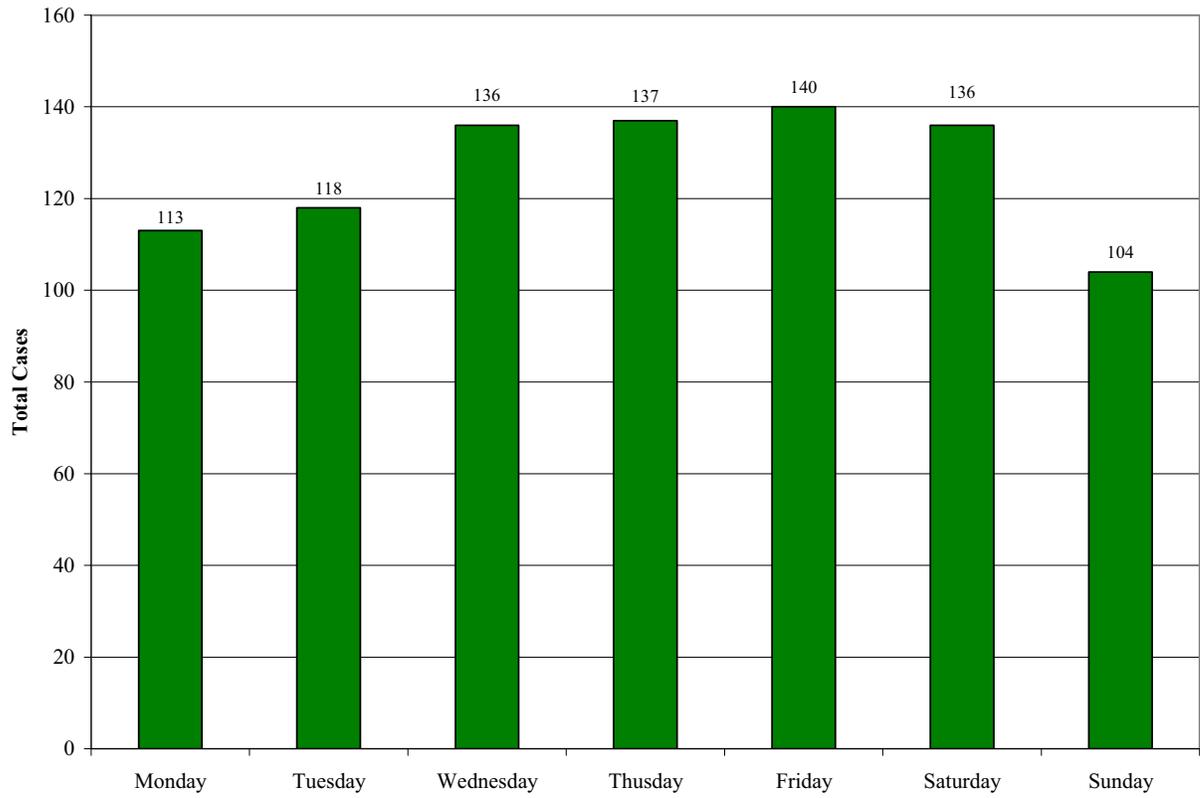


Table 13. Suicide Deaths by Method of Death, 2006

Method of Death	Total Cases	Autopsied
<i>Asphyxia</i>		
Crushed/Suffocated	4	2
Drowned	15	13
Hanging	142	61
Helium	2	1
Plastic bag	11	6
Strangled	2	1
<i>Drug Use</i>		
Ingested and/or injected illicit, prescription, and/or OTC medications	139	114
<i>Fire</i>		
Burned self	3	2
Smoke inhalation (Carbon Monoxide)	2	0
<i>Jump</i>		
Jumped from height	24	10
<i>Motor Vehicle</i>		
Driver of auto/truck	2	2
Pedestrian hit by auto/truck	4	2
Train	4	3
<i>Poisoned</i>		
Carbon Monoxide- (Generator or motor vehicle exhaust)	20	5
<i>Traumatic Injury</i>		
Shot self with of firearm	493	487
Handgun	(386)	(380)
Rifle	(34)	(34)
Shotgun	(71)	(71)
Unspecified	(2)	(2)
Cut/Stabbed self	16	15
Other traumatic causes	1	1
Total	884	725

Table 14. Suicide Deaths by Locality of Residence, 2006

Locality of Residence	Total	Rate*	Locality of Residence	Total	Rate*
Accomack County	4	10.2	Gloucester County	6	15.7
Albemarle County	3	3.3	Goochland County	2	10.0
Alexandria	13	9.5	Grayson County	4	24.8
Alleghany County	4	24.1	Greene County	4	22.6
Amelia County	3	24.0	Greensville County	2	18.2
Amherst County	3	9.3	Halifax County	8	22.1
Appomattox County	2	14.2	Hampton	10	6.9
Arlington County	11	5.5	Hanover County	13	13.1
Augusta County	12	16.9	Harrisonburg	2	4.9
Bath County	1	20.8	Henrico County	39	13.7
Bedford City	1	16.0	Henry County	12	21.3
Bedford County	7	10.5	Highland County	0	0.0
Bland County	2	29.0	Hopewell	2	8.8
Botetourt County	3	9.3	Isle of Wight County	5	14.4
Bristol	3	17.1	James City County	4	6.7
Brunswick County	1	5.6	King and Queen County	2	29.0
Buchanan County	4	16.4	King George County	3	13.8
Buckingham County	3	18.6	King William County	1	6.5
Campbell County	6	11.4	Lancaster County	0	0.0
Caroline County	3	11.2	Lee County	5	21.0
Carroll County	5	17.0	Lexington	0	0.0
Charles City County	0	0.0	Loudoun County	20	7.4
Charlotte County	3	24.0	Louisa County	5	16.0
Charlottesville	9	22.3	Lunenburg County	4	30.3
Chesapeake	17	7.7	Lynchburg	9	13.3
Chesterfield County	30	10.1	Madison County	2	14.7
Clarke County	2	13.7	Manassas	3	8.2
Colonial Heights	1	5.7	Manassas Park	0	0.0
Covington	2	32.9	Martinsville	1	6.7
Craig County	0	0.0	Mathews County	0	0.0
Culpeper County	4	9.0	Mecklenburg County	3	9.3
Cumberland County	0	0.0	Middlesex County	0	0.0
Danville	8	17.5	Montgomery County	11	13.0
Dickenson County	2	12.4	Nelson County	0	0.0
Dinwiddie County	2	7.8	New Kent County	2	11.9
Emporia	3	53.3	Newport News	11	6.2
Essex County	0	0.0	Norfolk	32	14.0
Fairfax City	0	0.0	Northampton County	0	0.0
Fairfax County	85	8.4	Northumberland County	1	7.8
Falls Church	1	9.3	Norton	0	0.0
Fauquier County	8	12.1	Nottoway County	1	6.4
Floyd County	2	13.5	Orange County	6	18.9
Fluvanna County	2	8.0	Page County	6	24.9
Franklin City	1	11.4	Patrick County	2	10.4
Franklin County	6	11.8	Petersburg	2	6.2
Frederick County	10	14.0	Pittsylvania County	12	19.5
Fredericksburg	7	32.9	Poquoson	1	8.4
Galax	0	0.0	Portsmouth	9	8.9
Giles County	2	11.5	Powhatan County	4	14.5

Locality of Residence	Total	Rate*
Prince Edward County	3	14.6
Prince George County	4	11.1
Prince William County	27	7.6
Pulaski County	10	28.5
Radford	1	6.9
Rappahannock County	1	13.9
Richmond City	32	16.6
Richmond County	0	0.0
Roanoke City	11	12.0
Roanoke County	7	7.7
Rockbridge County	4	18.7
Rockingham County	8	11.0
Russell County	6	20.8
Salem	6	24.2
Scott County	2	8.7
Shenandoah County	6	15.0
Smyth County	3	9.2
Southampton County	3	16.8
Spotsylvania County	13	10.9
Stafford County	9	7.5
Staunton	4	17.1

Locality of Residence	Total	Rate*
Suffolk	8	9.9
Surry County	0	0.0
Sussex County	0	0.0
Tazewell County	11	24.7
Virginia Beach	59	13.5
Warren County	3	8.3
Washington County	6	11.5
Waynesboro	5	23.3
Westmoreland County	4	23.3
Williamsburg	10	84.8
Winchester	3	11.9
Wise County	8	19.1
Wythe County	4	14.0
York County	2	3.2
TOTAL FOR STATE	855	11.2
Out of State	28	ND**
Unknown	1	ND**
TOTAL	884	ND**

*- Rate per 100,000

** - ND= No Denominator

Table 15. Suicide Deaths by Locality of Death by Year of Death, 1999-2006

Locality of Death	Year of Death								Total
	1999	2000	2001	2002	2003	2004	2005	2006	
Accomack County	6	4	2	2	4	2	5	4	29
Albemarle County	7	8	7	5	10	16	3	3	59
Alexandria	8	9	11	13	18	14	8	13	94
Alleghany County	0	2	3	1	4	1	2	4	17
Amelia County	0	0	1	2	2	3	2	3	13
Amherst County	4	1	3	10	1	4	3	3	29
Appomattox County	0	0	1	4	2	1	5	2	15
Arlington County	9	14	10	22	15	14	27	11	122
Augusta County	11	6	3	10	12	13	9	12	76
Bath County	0	0	1	0	0	2	0	1	4
Bedford City	1	2	2	0	0	0	0	1	6
Bedford County	9	11	10	4	7	5	8	7	61
Bland County	3	0	1	0	3	2	0	2	11
Botetourt County	5	4	4	4	2	2	7	3	31
Bristol	0	2	1	1	3	3	5	3	18
Brunswick County	0	1	0	2	4	1	3	1	12
Buchanan County	6	4	9	8	5	8	6	4	50
Buckingham County	4	4	2	2	0	1	0	3	16
Buena Vista	0	2	0	1	0	2	1	0	6
Campbell County	4	5	9	2	5	6	7	6	44
Caroline County	5	3	1	2	5	1	2	3	22
Carroll County	6	10	3	3	2	8	6	5	43

Year of Death

Locality of Death	1999	2000	2001	2002	2003	2004	2005	2006	Total
Charles City County	1	1	0	1	1	1	0	0	5
Charlotte County	3	0	3	1	0	1	0	3	11
Charlottesville	10	13	16	7	8	13	16	9	92
Chesapeake	18	8	17	12	16	19	10	17	117
Chesterfield County	28	22	25	26	29	27	26	30	213
Clarke County	3	1	0	2	2	1	2	2	13
Colonial Heights	3	1	1	3	1	1	1	1	12
Covington	0	2	0	2	0	1	0	2	7
Craig County	1	0	0	2	3	0	2	0	8
Culpeper County	10	2	5	5	8	7	5	4	46
Cumberland County	2	1	0	1	0	1	1	0	6
Danville	11	12	11	7	10	6	10	8	75
Dickenson County	3	3	4	6	4	3	2	2	27
Dinwiddie County	8	5	2	6	6	3	8	2	40
Emporia	2	0	0	1	1	1	0	3	8
Essex County	1	1	1	4	3	2	0	0	12
Fairfax City	2	1	0	2	0	1	0	0	6
Fairfax County	62	75	64	87	64	72	82	85	591
Falls Church	0	1	0	0	0	1	1	1	4
Fauquier County	5	3	7	6	8	13	9	8	59
Floyd County	1	0	1	2	0	3	1	2	10
Fluvanna County	1	0	3	1	3	1	1	2	12
Franklin City	0	0	0	0	0	0	0	1	1
Franklin County	5	6	9	9	8	9	7	6	59
Frederick County	1	2	0	6	7	10	5	10	41
Fredericksburg	5	6	5	8	11	5	3	7	50
Galax	3	1	2	3	1	1	3	0	14
Giles County	0	5	2	1	3	3	1	2	17
Gloucester County	3	2	3	6	6	8	10	6	44
Goochland County	2	1	2	2	2	1	4	2	16
Grayson County	1	0	0	0	5	5	5	4	20
Greene County	2	3	1	0	2	3	1	4	16
Greensville County	2	6	2	2	2	0	0	2	16
Halifax County	5	6	4	8	3	5	3	8	42
Hampton	12	10	12	10	11	13	10	10	88
Hanover County	4	10	13	6	7	8	9	13	70
Harrisonburg	7	2	3	2	3	1	5	2	25
Henrico County	32	26	37	19	35	21	23	39	232
Henry County	6	8	5	5	4	8	11	12	59
Highland County	1	0	0	1	0	2	1	0	5
Hopewell	4	3	5	3	2	1	2	2	22
Isle of Wight County	2	7	3	4	4	5	1	5	31
James City County	1	3	3	4	3	6	1	4	25
King and Queen County	3	1	1	0	1	1	1	2	10
King George County	4	3	2	2	1	2	1	3	18
King William County	2	1	2	0	1	3	1	1	11
Lancaster County	0	2	0	1	1	0	1	0	5
Lee County	5	4	3	6	5	9	5	5	42
Lexington	1	1	0	0	0	0	1	0	3
Loudoun County	13	6	17	10	17	17	17	20	117

Year of Death

Locality of Death	1999	2000	2001	2002	2003	2004	2005	2006	Total
Louisa County	4	3	6	3	5	6	3	5	35
Lunenburg County	2	0	0	3	2	3	2	4	16
Lynchburg	8	10	5	12	10	6	9	9	69
Madison County	1	4	2	1	1	1	2	2	14
Manassas	7	4	3	3	3	1	4	3	28
Manassas Park	0	0	0	0	0	0	0	0	0
Martinsville	4	5	9	6	9	6	6	1	46
Mathews County	1	3	0	2	0	0	3	0	9
Mecklenburg County	4	3	6	4	6	9	9	3	44
Middlesex County	1	0	2	2	1	2	3	0	11
Montgomery County	13	3	10	8	4	10	9	11	68
Nelson County	7	3	2	2	5	2	4	0	25
New Kent County	3	4	2	4	1	4	2	2	22
Newport News	15	24	23	16	16	18	13	11	136
Norfolk	28	28	43	32	31	32	31	32	257
Northampton County	1	4	0	4	1	4	1	0	15
Northumberland County	1	0	1	2	1	1	3	1	10
Norton	2	5	5	0	2	3	0	0	17
Nottoway County	2	1	0	4	1	4	0	1	13
Orange County	4	3	1	3	3	0	6	6	26
Page County	1	2	3	3	5	0	5	6	25
Patrick County	5	3	1	6	4	6	5	2	32
Petersburg	4	4	4	3	3	5	4	2	29
Pittsylvania County	9	9	9	15	8	5	9	12	76
Poquoson	2	0	1	1	1	0	1	1	7
Portsmouth	13	6	14	10	10	10	12	9	84
Powhatan County	1	2	5	6	1	4	5	4	28
Prince Edward County	4	2	1	1	1	2	3	3	17
Prince George County	4	3	0	6	3	6	1	4	27
Prince William County	26	25	21	15	20	17	35	27	186
Pulaski County	4	4	7	11	7	7	7	10	57
Radford	3	3	1	2	0	2	4	1	16
Rappahannock County	0	1	0	2	1	1	1	1	7
Richmond City	42	21	45	44	27	27	50	32	288
Richmond County	1	1	4	0	3	1	4	0	14
Roanoke City	22	28	18	21	19	17	24	11	160
Roanoke County	6	12	10	15	10	9	13	7	82
Rockbridge County	4	3	2	2	2	5	1	4	23
Rockingham County	2	5	12	5	4	6	6	8	48
Russell County	6	9	9	6	2	9	6	6	53
Salem	3	4	1	2	8	6	3	6	33
Scott County	7	9	4	3	3	3	3	2	34
Shenandoah County	5	8	5	5	8	6	10	6	53
Smyth County	6	4	3	3	2	5	7	3	33
Southampton County	3	4	3	3	2	2	2	3	22
Spotsylvania County	5	5	9	11	9	8	6	13	66
Stafford County	12	5	5	8	7	9	11	9	66
Staunton	2	3	3	4	3	3	3	4	25
Suffolk	0	9	7	4	8	8	6	8	50
Surry County	1	1	1	1	1	0	0	0	5

Year of Death

Locality of Death	1999	2000	2001	2002	2003	2004	2005	2006	Total
Sussex County	3	1	4	2	3	1	0	0	14
Tazewell County	15	9	7	5	9	6	12	11	74
Virginia Beach	44	42	37	35	43	48	30	59	338
Warren County	5	6	6	4	1	14	7	3	46
Washington County	8	16	12	6	7	8	8	6	71
Waynesboro	3	3	2	4	1	4	7	5	29
Westmoreland County	1	4	2	2	2	1	4	4	20
Williamsburg	3	2	2	2	5	4	8	10	36
Winchester	12	8	5	10	9	6	4	3	57
Wise County	7	3	8	9	7	2	8	8	52
Wythe County	4	3	8	7	5	5	7	4	43
York County	5	4	3	1	7	3	4	2	29
Out of State	0	3	5	2	5	3	1	0	19
Total	810	775	809	818	804	840	875	855	5731

HOMICIDE DEATHS

The number of homicides in Virginia decreased 14.3 percent from 2005 to 2006. Homicide deaths occurred most frequently in males (78.1%), blacks (60.2%), and those aged 25-34 years (23%).

- Seventy-one percent of homicides were committed using a firearm, with handguns the most common type of firearm used in 59 percent of all homicide cases.
- Richmond City continues to be the locality with the highest number or 22.2 percent of all homicide deaths in 2006, followed by Norfolk (11.2%) and Fairfax County (7.3%).
- Fifty-nine of 127 Virginian localities, or 46.4 percent, experienced no homicides at all in 2006.

Figure 26. Homicide Deaths by Gender by Age Group, 2006

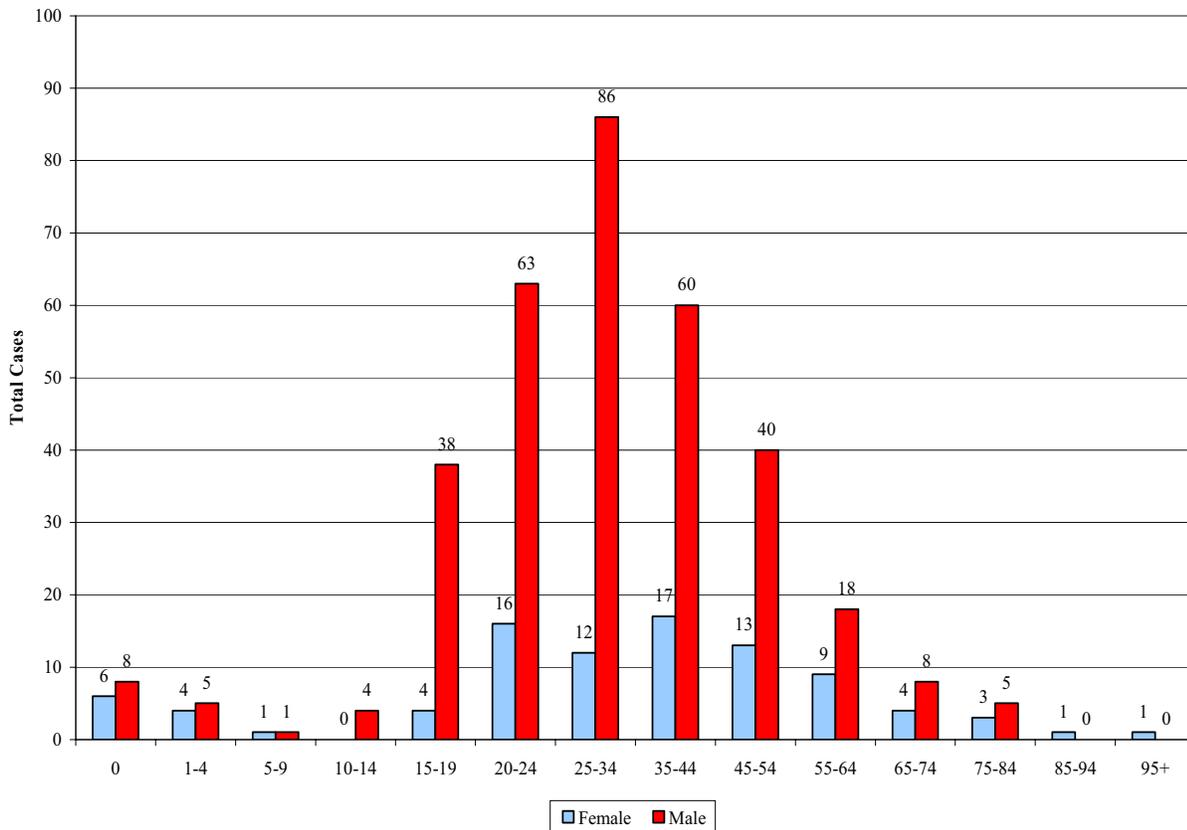
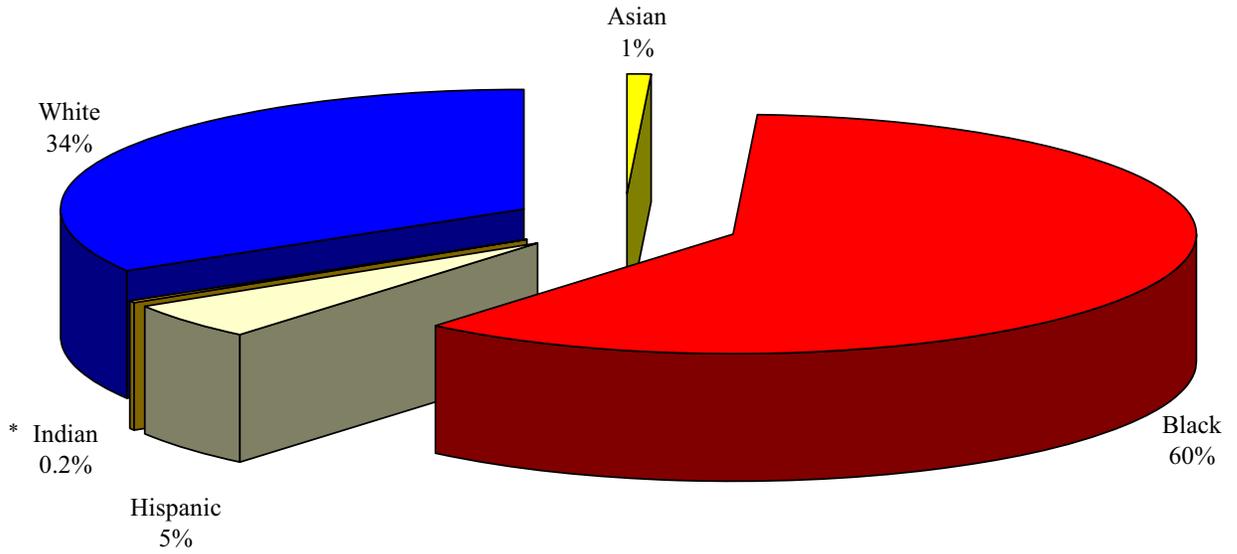


Figure 27. Homicide Deaths by Race/Ethnicity, 2006



*Indian refers to subcontinent India

Figure 28. Homicide Deaths by Year of Death, 1999-2006

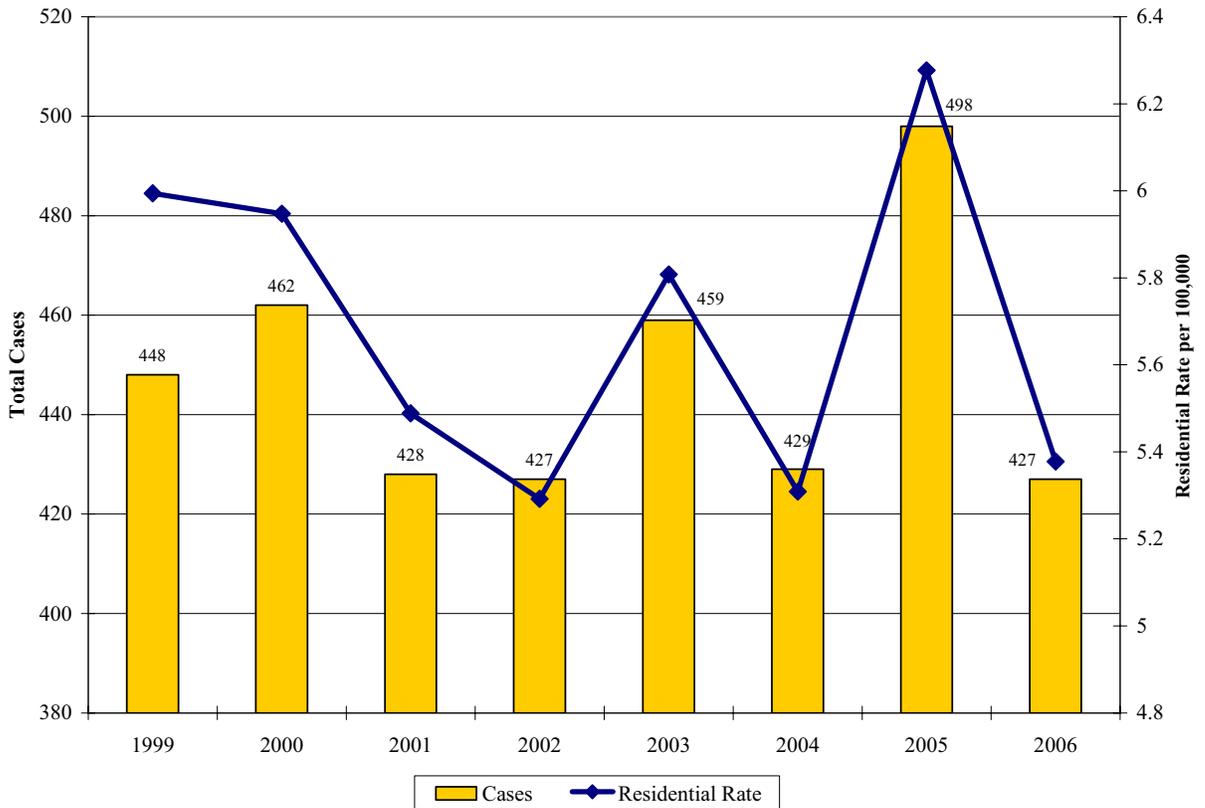


Table 16. Homicide Deaths by Fatal Agency, 2006

Method of Death	Total Case	Autopsied
<i>Asphyxia</i>		
Strangled by assailant(s)	8	8
Suffocated/Smothered	8	8
<i>Judicial Intervention</i>		
Electrocution by judicial order	1	0
Lethal injection by judicial order	3	2
<i>Traumatic Injury</i>		
Beaten by assailant(s)	32	31
Fall/Push	4	4
Poisoned (Ethanol and/or drugs)	2	2
Shot by assailant(s) with firearm	304	302
- Handgun	(252)	(250)
- Rifle	(8)	(8)
- Shotgun	(22)	(22)
- Unspecified	(22)	(22)
Stabbed by assailant(s)	58	57
Traumatic - Other	5	5
<i>Vehicular</i>		
Struck with auto by assailant(s)	1	1
<i>Unknown</i>		
Homicide - Other	1	1
Total	427	421

Figure 29. Homicide Deaths by Leading Methods of Death, 2006

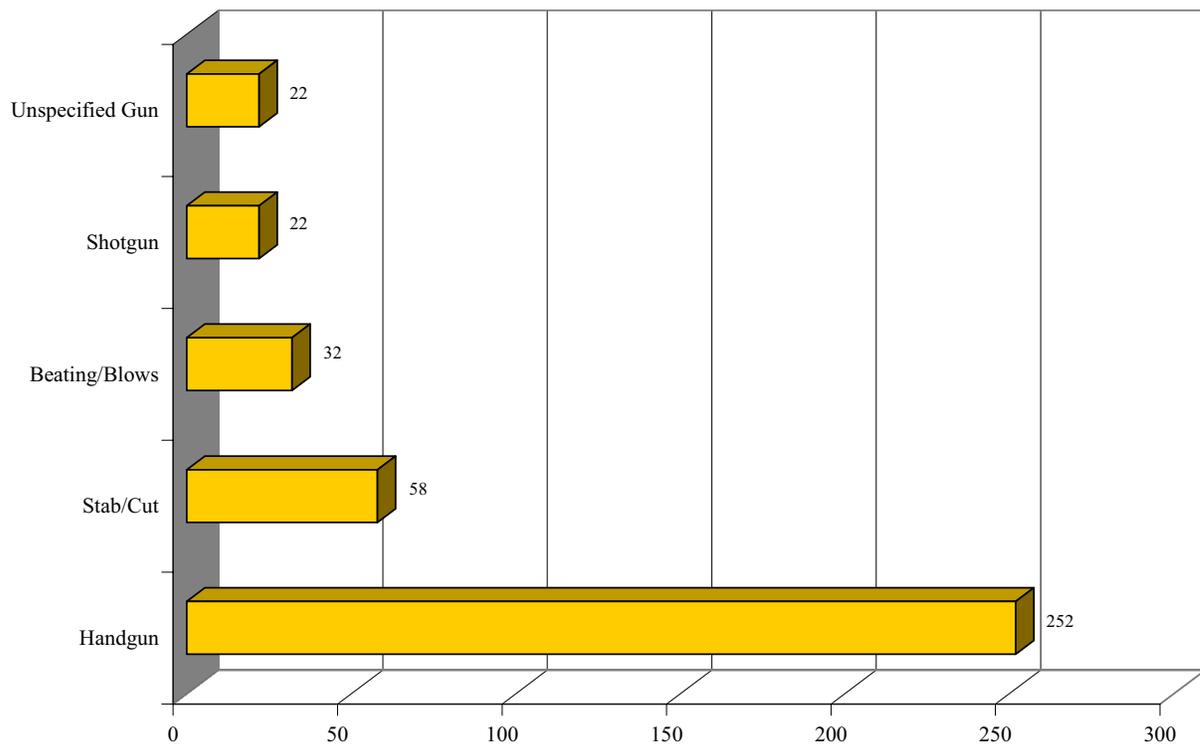


Table 17. Homicide Deaths by Locality of Residence, 2006

Locality of Death	Total	Rate*	Locality of Death	Total	Rate*
Accomack County	5	12.7	Galax	1	15.0
Albemarle County	2	2.2	Giles County	0	0.0
Alexandria	2	1.5	Gloucester County	0	0.0
Alleghany County	0	0.0	Goochland County	1	5.0
Amelia County	0	0.0	Grayson County	0	0.0
Amherst County	0	0.0	Greene County	0	0.0
Appomattox County	0	0.0	Greensville County	4	36.3
Arlington County	4	2.0	Halifax County	0	0.0
Augusta County	2	2.8	Hampton	10	6.9
Bath County	0	0.0	Hanover County	4	4.0
Bedford City	0	0.0	Harrisonburg	2	4.9
Bedford County	1	1.5	Henrico County	14	4.9
Bland County	0	0.0	Henry County	7	12.5
Botetourt County	0	0.0	Highland County	0	0.0
Bristol	2	11.4	Hopewell	4	17.6
Brunswick County	2	11.1	Isle of Wight County	1	2.9
Buchanan County	1	4.1	James City County	0	0.0
Buckingham County	1	6.2	King and Queen County	0	0.0
Buena Vista	0	0.0	King George County	1	4.6
Campbell County	4	7.6	King William County	0	0.0
Caroline County	4	15.0	Lancaster County	2	17.4
Carroll County	1	3.4	Lee County	0	0.0
Charles City County	0	0.0	Lexington	0	0.0
Charlotte County	1	8.0	Loudoun County	4	1.5
Charlottesville	3	7.4	Louisa County	0	0.0
Chesapeake	11	5.0	Lunenburg County	2	15.1
Chesterfield County	12	4.0	Lynchburg	2	3.0
Clarke County	0	0.0	Madison County	0	0.0
Colonial Heights	1	5.7	Manassas	0	0.0
Covington	0	0.0	Manassas Park	0	0.0
Craig County	0	0.0	Martinsville	0	0.0
Culpeper County	2	4.5	Mathews County	0	0.0
Cumberland County	0	0.0	Mecklenburg County	0	0.0
Danville	5	11.0	Middlesex County	1	9.4
Dickenson County	0	0.0	Montgomery County	4	4.7
Dinwiddie County	4	15.6	Nelson County	0	0.0
Emporia	0	0.0	New Kent County	0	0.0
Essex County	0	0.0	Newport News	20	11.2
Fairfax City	1	4.5	Norfolk	28	12.2
Fairfax County	24	2.4	Northampton County	2	14.7
Falls Church	0	0.0	Northumberland County	1	7.8
Fauquier County	3	4.5	Norton	0	0.0
Floyd County	0	0.0	Nottoway County	0	0.0
Fluvanna County	0	0.0	Orange County	1	3.2
Franklin City	0	0.0	Page County	0	0.0
Franklin County	2	3.9	Patrick County	0	0.0
Frederick County	8	11.2	Petersburg	10	30.8
Fredericksburg	0	0.0	Pittsylvania County	3	4.9

Locality of Death	Total	Rate*
Poquoson	1	8.4
Portsmouth	17	16.8
Powhatan County	0	0.0
Prince Edward County	0	0.0
Prince George County	0	0.0
Prince William County	12	3.4
Pulaski County	0	0.0
Radford	1	6.9
Rappahannock County	0	0.0
Richmond City	74	38.4
Richmond County	0	0.0
Roanoke City	13	14.2
Roanoke County	1	1.1
Rockbridge County	0	0.0
Rockingham County	2	2.8
Russell County	2	6.9
Salem	0	0.0
Scott County	0	0.0
Shenandoah County	0	0.0
Smyth County	0	0.0
Southampton County	1	5.6
Spotsylvania County	3	2.5
Stafford County	1	0.8

Locality of Death	Total	Rate*
Staunton	1	4.3
Suffolk	8	9.9
Surry County	1	14.0
Sussex County	1	8.2
Tazewell County	0	0.0
Virginia Beach	23	5.3
Warren County	2	5.5
Washington County	2	3.8
Waynesboro	0	0.0
Westmoreland County	1	5.8
Williamsburg	2	17.0
Winchester	2	7.9
Wise County	0	0.0
Wythe County	1	3.5
York County	2	3.2
Subtotal for State	425	5.6
Out of County	1	ND**
Out of State	12	ND
Unknown	3	ND
Total	427	ND

*-Rate per 100,000

**-ND- No Denominator

Table 18. Homicide Deaths by Locality of Death by Year of Death, 1999-2006

Locality of Death	Year of Death								Total
	1999	2000	2001	2002	2003	2004	2005	2006	
Accomack	2	1	1	0	1	1	0	4	10
Albemarle	5	1	3	2	3	2	0	0	16
Alexandria	2	2	5	0	5	2	5	4	25
Alleghany	0	0	0	2	0	2	1	0	5
Amelia	0	1	0	0	1	0	1	1	4
Amherst	1	3	0	1	1	1	0	0	7
Appomattox	1	0	0	1	0	0	1	0	3
Arlington	3	10	2	5	3	2	3	3	31
Augusta	1	3	1	3	4	7	6	3	28
Bedford	2	1	1	2	0	0	0	0	6
Bland	0	1	0	0	0	0	0	0	1
Botetourt	0	2	0	0	1	0	0	0	3
Bristol	1	1	2	0	0	0	0	3	7
Brunswick	1	1	0	2	2	2	1	2	11
Buchanan	1	2	1	4	2	2	2	0	14
Buckingham	0	0	0	0	2	0	1	1	4
Campbell	2	1	0	0	0	2	0	0	5
Caroline	0	0	1	0	0	1	0	4	6
Carroll	1	2	0	1	1	0	1	1	7
Charles City	0	1	0	0	0	0	1	0	2
Charlotte	2	0	0	2	1	0	0	0	5

Year of Death

Locality of Death	1999	2000	2001	2002	2003	2004	2005	2006	Total
Charlottesville	6	7	7	5	4	7	6	6	48
Chesapeake	6	9	8	5	4	8	9	6	55
Chesterfield	8	6	6	5	7	8	8	5	53
Clarke	2	0	0	1	1	1	0	0	5
Colonial Heights	1	0	0	0	0	4	0	0	5
Covington	0	0	0	1	0	0	0	0	1
Craig	0	0	0	1	0	0	1	0	2
Culpepper	0	1	3	1	2	0	1	1	9
Cumberland	0	2	0	0	0	0	1	0	3
Danville	9	10	6	8	5	5	8	5	56
Dickenson	0	1	0	2	0	3	3	0	9
Dinwiddie	1	1	2	2	2	3	2	4	17
Emporia	0	2	2	0	0	1	1	1	7
Essex	0	1	3	1	0	1	0	0	6
Fairfax City	0	0	0	1	0	0	0	1	2
Fairfax	26	21	23	19	15	16	34	31	185
Falls Church	1	0	0	0	0	0	0	0	1
Fauquier	3	0	3	1	2	0	1	2	12
Floyd	0	1	2	0	0	0	0	0	3
Fluvanna	0	1	0	0	0	0	0	0	1
Franklin	2	2	2	2	3	2	0	2	15
Frederick	0	0	0	2	1	2	0	6	11
Fredericksburg	4	4	3	1	0	2	1	2	17
Galax	4	1	2	0	0	0	0	1	8
Giles	0	0	0	1	0	1	0	1	3
Gloucester	1	2	1	3	2	1	0	0	10
Goochland	0	0	2	0	2	1	0	1	6
Grayson	0	0	2	1	0	1	3	0	7
Greene	0	0	0	0	4	1	1	0	6
Greensville	15	9	3	6	2	4	1	5	45
Halifax	2	4	3	8	4	2	1	1	25
Hampton	14	8	10	7	12	10	10	14	85
Hanover	2	3	1	4	2	3	1	2	18
Harrisonburg	1	4	1	0	0	1	1	4	12
Henrico	12	8	8	7	19	20	12	5	91
Henry	3	2	1	6	2	3	3	4	24
Highland	0	0	0	0	1	1	0	0	2
Hopewell	5	1	1	3	2	1	1	4	18
Isle of Wight	1	1	1	0	0	2	0	1	6
James City	0	1	3	0	0	0	1	0	5
King & Queen	0	0	3	0	2	0	1	0	6
King George	1	1	1	0	0	1	0	0	4
King William	1	0	0	1	1	0	1	0	4
Lancaster	0	0	3	0	0	0	0	2	5
Lee	1	2	2	1	2	2	1	0	11
Loudoun	1	1	6	3	1	2	4	4	22
Louisa	0	3	1	1	1	0	0	0	6
Lunenburg	0	0	0	1	0	0	0	1	2
Lynchburg	6	6	5	12	7	5	7	4	52
Madison	0	0	0	1	0	0	0	0	1

Year of Death

Locality of Death	1999	2000	2001	2002	2003	2004	2005	2006	Total
Manassas	2	2	0	1	5	3	2	1	16
Martinsville	6	11	8	3	1	1	3	2	35
Mathews	0	0	0	0	0	0	1	0	1
Mecklenburg	3	2	2	3	1	1	4	0	16
Middlesex	0	0	0	0	0	0	0	1	1
Montgomery	0	1	0	1	1	1	1	4	9
Nelson	0	1	2	0	0	1	1	0	5
New Kent	2	1	0	2	0	0	0	0	5
Newport News	20	23	34	23	29	21	22	21	193
Norfolk	61	61	51	54	59	52	82	48	468
Northampton	1	3	1	0	1	3	1	2	12
Northumberland	0	0	1	0	0	0	1	0	2
Norton	1	1	0	0	0	0	0	0	2
Nottoway	1	1	1	1	0	0	2	0	6
Orange	0	1	1	1	0	1	3	2	9
Page	1	0	0	0	0	0	0	1	2
Patrick	0	1	1	0	0	2	2	0	6
Petersburg	8	9	5	7	7	5	10	10	61
Pittsylvania	0	3	5	7	2	2	3	2	24
Portsmouth	12	16	11	8	11	7	17	14	96
Powhatan	0	1	1	1	0	0	0	0	3
Prince Edward	0	1	3	1	0	1	3	0	9
Prince George	1	1	1	1	1	1	0	0	6
Prince William	11	5	8	4	8	6	10	12	64
Pulaski	2	2	2	1	0	0	0	0	7
Radford	0	1	0	0	0	0	0	0	1
Rappahannock	1	0	0	0	1	0	0	1	3
Richmond City	92	95	83	102	115	108	105	95	795
Richmond	1	0	0	0	0	0	1	0	2
Roanoke City	13	14	18	20	22	13	18	17	135
Roanoke	0	1	0	2	1	1	2	0	7
Rockbridge	0	0	0	0	3	0	1	0	4
Rockingham	1	0	1	1	0	1	0	1	5
Russell	0	4	0	2	1	0	0	2	9
Salem	0	0	1	0	0	0	0	0	1
Scott	0	0	0	1	1	0	0	0	2
Shenandoah	0	1	0	0	3	1	0	0	5
Smyth	0	0	0	3	0	0	6	0	9
Southampton	4	1	1	0	2	2	1	1	12
Spotsylvania	1	1	0	3	4	2	0	4	15
Stafford	0	2	1	1	4	4	2	1	15
Staunton	0	0	1	0	1	0	0	0	2
Suffolk	5	3	6	4	2	5	8	4	37
Surry	1	1	0	1	0	1	1	0	5
Sussex	2	2	3	0	0	2	0	0	9
Tazewell	0	3	1	2	2	1	1	1	11
Virginia Beach	12	7	11	5	23	18	21	18	115
Warren	0	1	0	1	0	1	0	2	5
Washington	2	3	3	2	2	3	2	0	17
Waynesboro	1	2	0	0	0	0	0	0	3

Locality of Death	Year of Death								Total
	1999	2000	2001	2002	2003	2004	2005	2006	
Westmoreland	3	2	0	0	0	3	1	1	10
Williamsburg	0	0	1	2	2	0	3	1	9
Winchester	6	3	2	5	2	0	1	2	21
Wise	1	1	2	2	1	1	3	0	11
Wythe	2	2	2	0	0	1	0	0	7
York	1	2	1	0	0	1	1	2	8
Subtotal for State	445	458	423	427	457	426	494	425	3555
Out of State	3	4	5	0	2	3	4	2	23
Total	448	462	428	427	459	429	498	427	3578

UNDETERMINED DEATHS

Cause of death was not able to be determined in 45 or 50 percent of deaths with an undetermined manner.

- For deaths where manner of death was undetermined but the cause of death was determined, drug use was the most frequently associated cause (13.3%) followed closely by drowning (10%).

Figure 30. Undetermined Deaths by Gender by Age Group, 2006

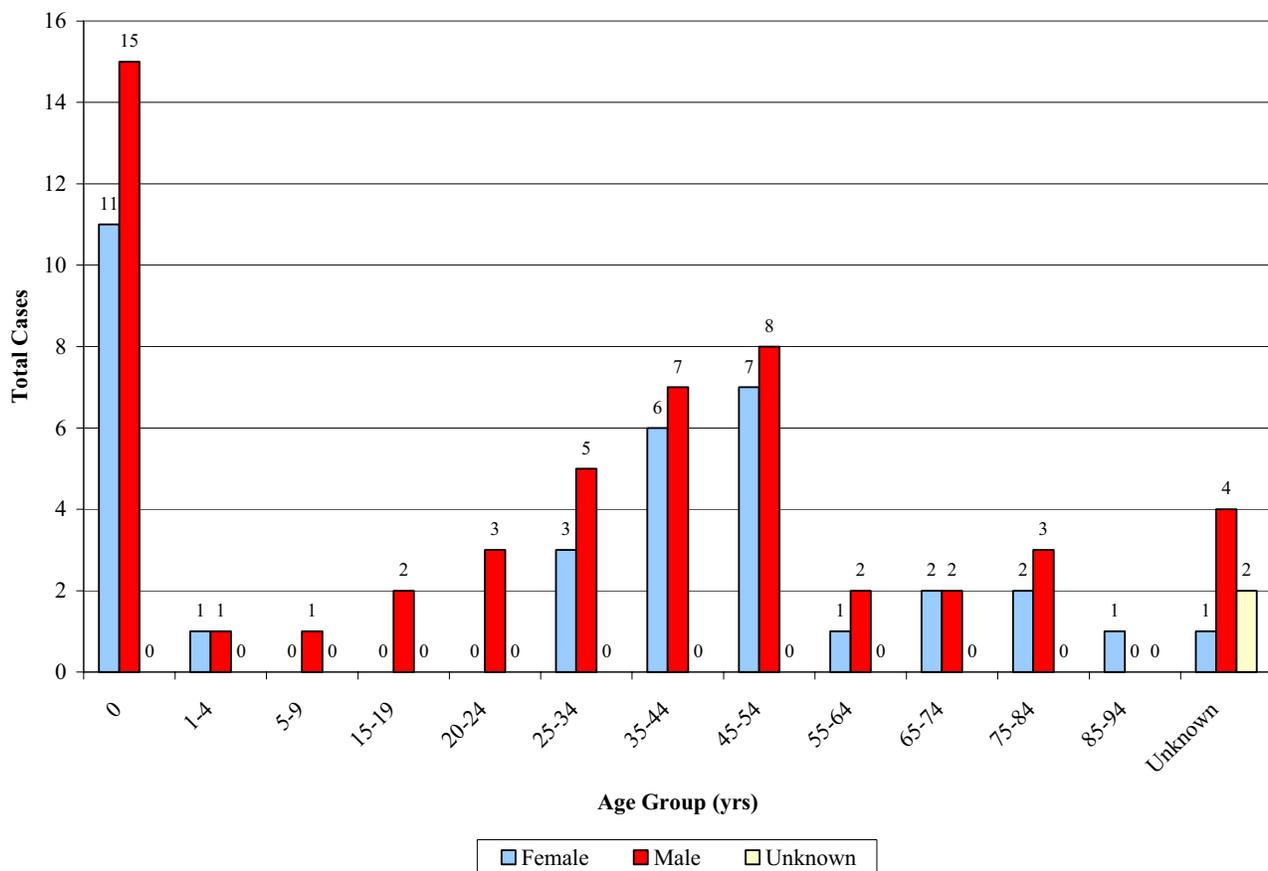


Figure 31. Undetermined Deaths by Race/Ethnicity, 2006

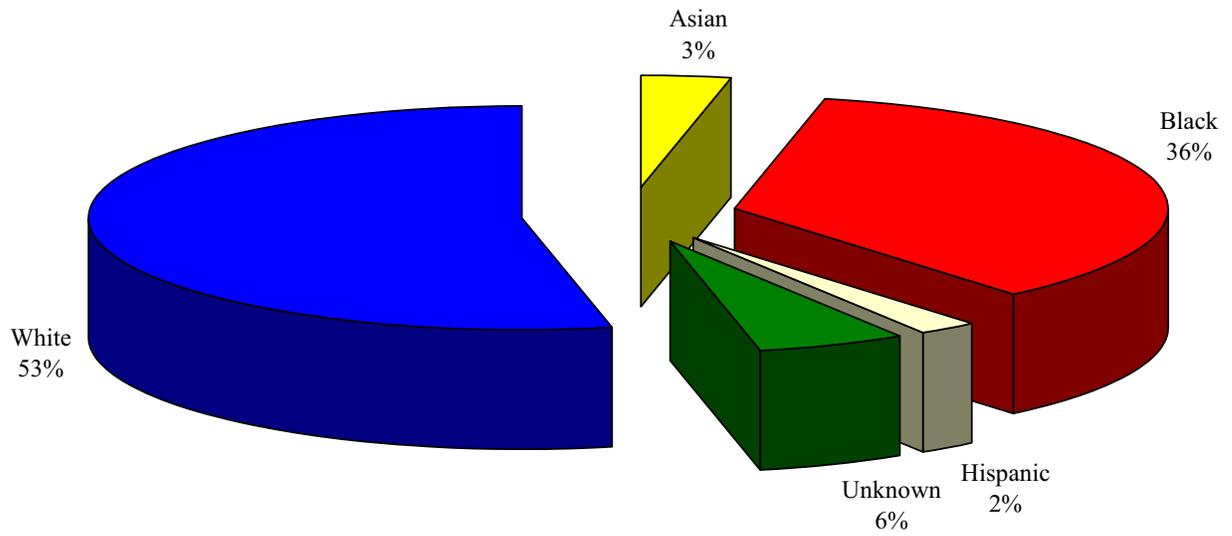


Figure 32. Undetermined Deaths by Year of Death, 1999-2006

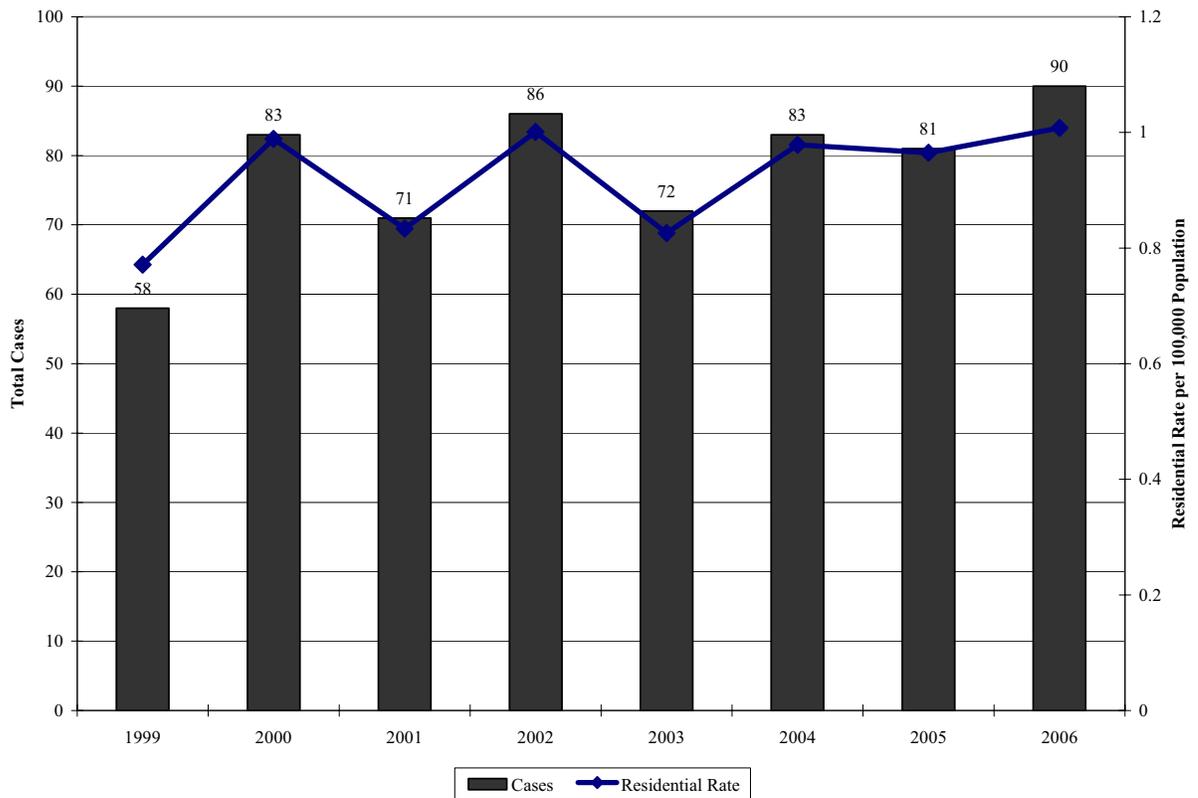


Figure 33. Undetermined Deaths by Methods of Death, 2006

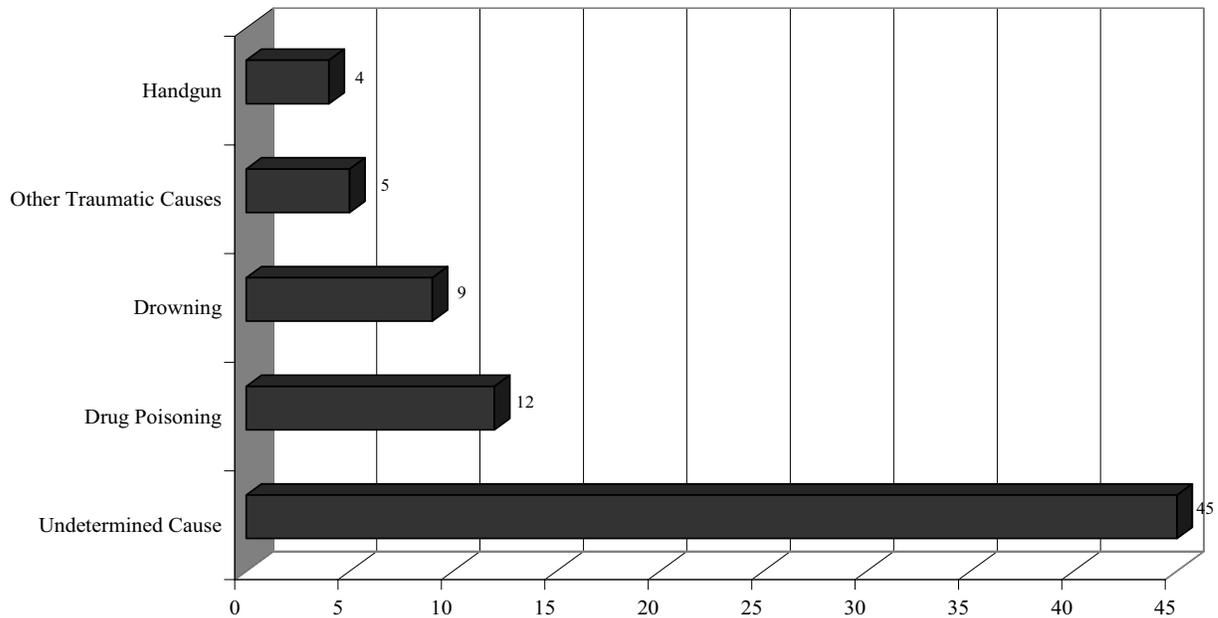


Table 19. Undetermined Deaths by Fatal Agency, 2006

	Total Cases	Autopsied
Undetermined Manner & Cause of Death		
Undetermined after autopsy and/or toxicology	45	42
Subtotal for Undetermined Manner & Cause of Death	45	42
Undetermined Manner but Cause of Death Determined		
<i>Asphyxia</i>		
Drowning	9	8
Hanging	1	1
Suffocation/Smothering	3	3
<i>Drug Use</i>		
Ingested/Injected medication	12	12
<i>Fall</i>		
Fall from height/same height	1	0
<i>Fire</i>		
Explosion/Victim of fire	1	1
<i>Poisoned</i>		
Inhaled toxic agent	2	1
<i>Traumatic Injury</i>		
Beating/Blows/Blunt instrument	2	2
Gunshot wound	5	5
Other traumatic causes	5	5
<i>Vehicular</i>		
Driver/Passenger/Pedestrian	3	3
Train	1	1
Subtotal for Undetermined Manner but Cause of Death Determined	45	42
Determined Manner but Cause of Death Undetermined		
Undetermined cause of death after autopsy and/or toxicology	0	0
Subtotal for Determined Manner but Cause of Death Undetermined	0	0
Total	90	84

SECTION 4: DEATHS OF CHILDREN (17 Years of Age and Younger)

The 405 deaths of children 17 years of age and younger represented 6.9 percent of all deaths investigated by the OCME in 2006, and a decrease of 4.7 percent from the number of childhood deaths in 2005.

- Male decedents comprised 64.4 percent of the total deaths in children.
- The <1 year old age group had the largest percentage of deaths (40.7%) among children 17 years of age and younger.
- The leading causes of death in children were Sudden Infant Death Syndrome (SIDS) and blunt force injuries, which represented 45.7 percent of natural deaths and 43.2 percent of unnatural deaths, respectively, in children.
- Blacks accounted for 63 percent of homicides in children, representing a rate of 6.6 in 100,000 black children compared to 1.2 in 100,000 white children.

The State Child Fatality Review Team is an additional resource for comprehensive information on child death in Virginia. The Team's purpose is to systematically analyze deaths among Virginia's children to make recommendations for the prevention of these deaths. Chaired by the Chief Medical Examiner, the Team is a multi-disciplinary group including representatives from law enforcement, fire, social services departments, state medical associations, and other local and state agencies. Reviewed deaths may include violent and unnatural child deaths, sudden child deaths in the first 18 months of life, and deaths where the cause and manner was not determined with reasonable medical certainty. The Team's reviews are governed by the principles and practices of public health. Published reports are available at the following website: <http://www.vdh.state.va.us/medExam/childfatality.htm>.

Figure 34. Deaths of Children, 17 Years and Younger, by Manner of Death, 2006

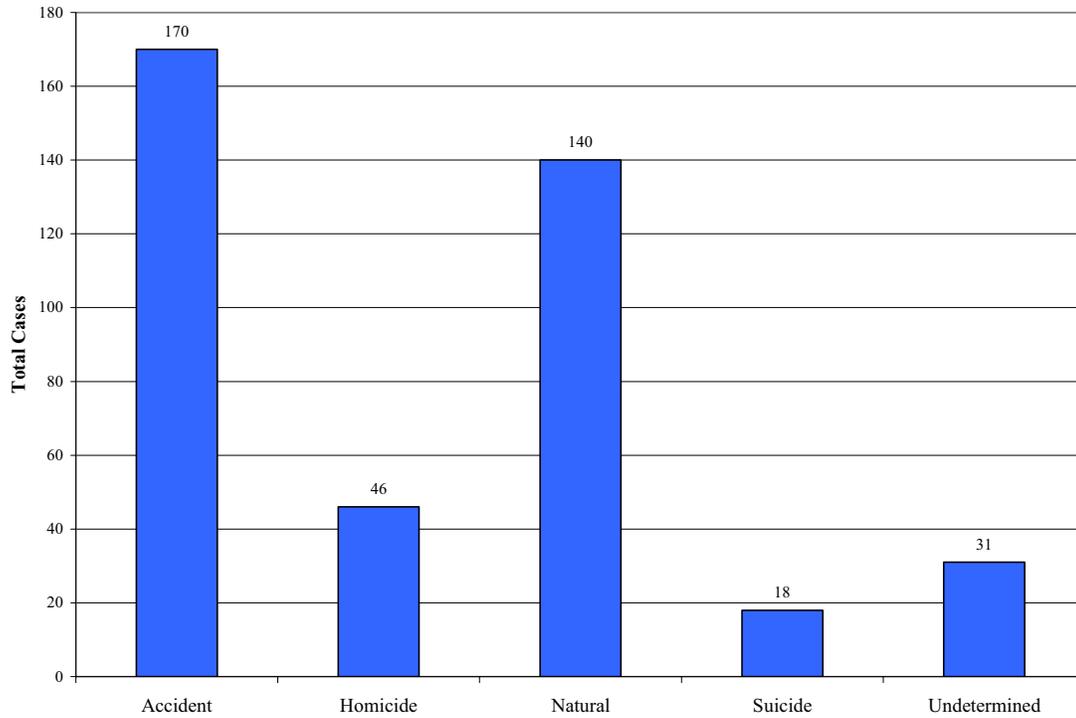


Figure 35. Deaths of Children, 17 Years and Younger, by Gender by Age, 2006

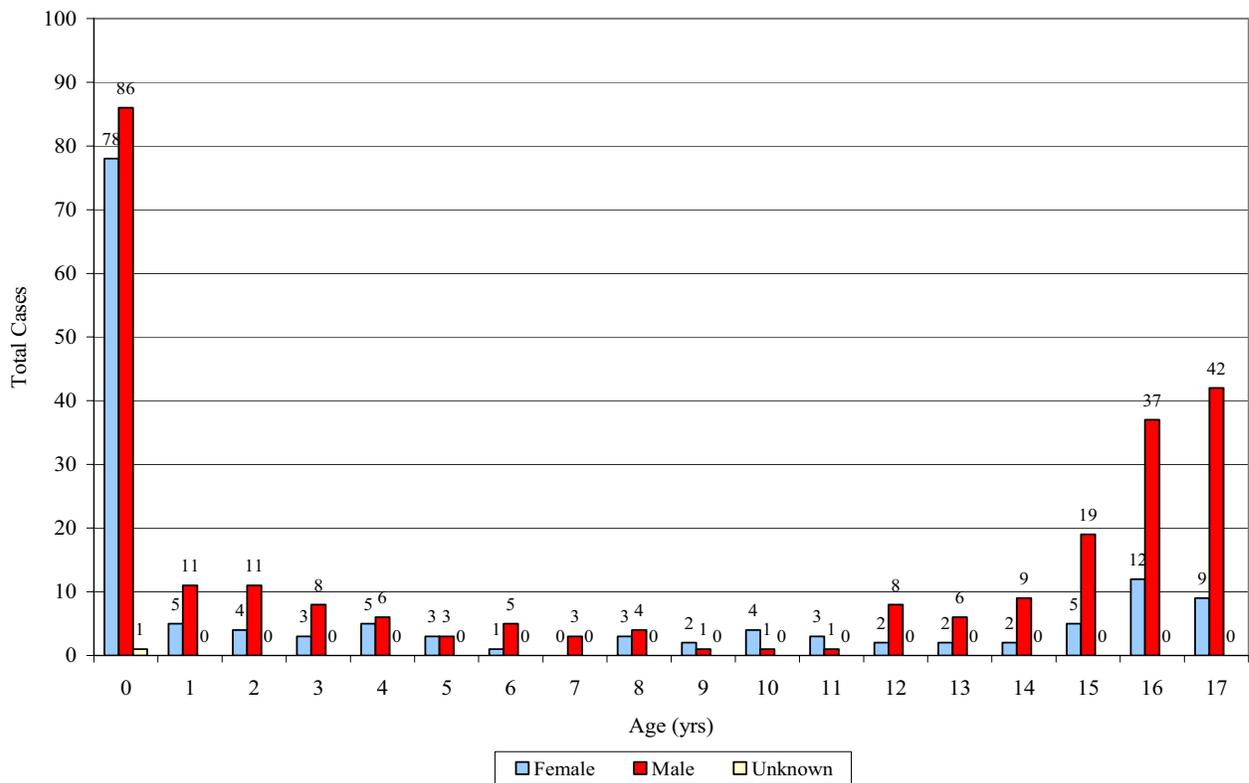
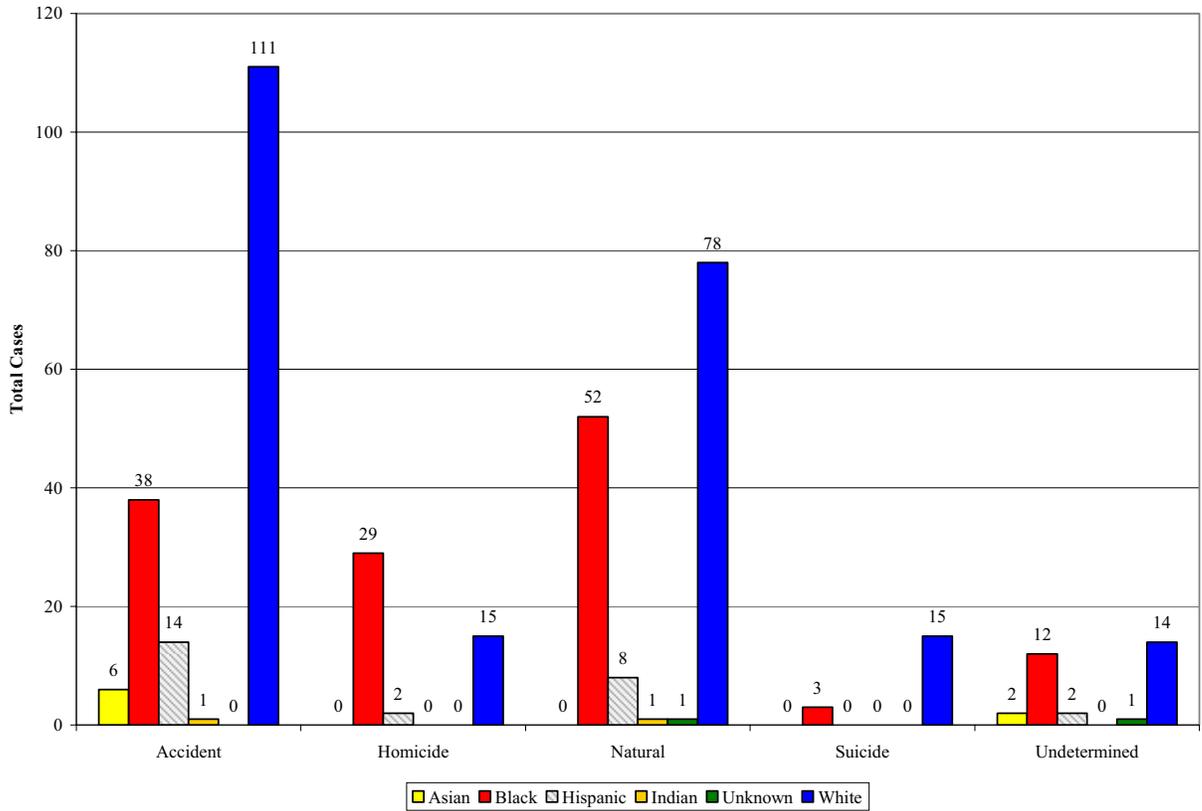
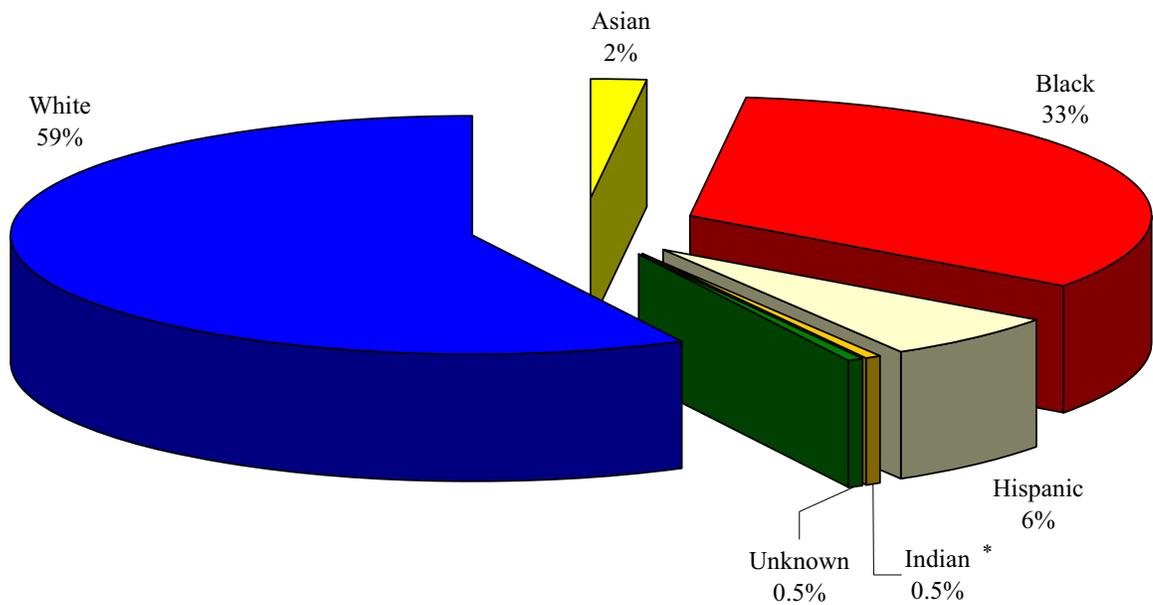


Figure 36. Deaths of Children, 17 Years and Younger, by Manner by Race/Ethnicity, 2006



*Indian refers to subcontinental India

Figure 37. Proportion of Deaths of Children, 17 Years and Younger, by Race/Ethnicity, 2006



*Indian refers to subcontinental India

Table 20. Deaths of Children, 17 Years and Younger, by Cause of Death, 2006

Natural Deaths	Total Cases	Autopsied
Aortic Dissection	2	2
Cardiac Diseases- Other	14	14
Central Nervous System Diseases/Disorders- Seizure Disorders	1	0
Diabetes	3	3
Gastrointestinal Diseases- Other	2	2
Infectious Diseases	27	27
Bacterial Pneumonia	(10)	(10)
Meningitis (Bacterial & Viral)	(2)	(2)
Sepsis	(2)	(2)
Viral Infection	(5)	(5)
ID- Other	(8)	(8)
Liver Diseases- Other	1	1
Pulmonary Diseases	5	4
Asthma	(3)	(2)
Pulmonary-Other	(2)	(2)
Congenital Defect	10	8
Maternal and Fetal Complications	9	7
Sudden Infant Death Syndrome (SIDS)	64	64
Natural- Other	2	2
Natural Subtotal	140	134

Unnatural Deaths	Total Cases	Autopsied
Asphyxia	60	50
Aspiration (Food/Foreign Object)	(2)	(2)
Drowning	(26)	(19)
Hanging	(10)	(7)
Mechanical	(5)	(5)
Positional	(3)	(3)
Strangulation	(1)	(1)
Suffocation/Smothering	(13)	(13)
Electrocution	1	1
Exposure- Hyperthermia	1	0
Fire Injuries (Burns, CO Poisoning)	11	9
Gunshot Wound	31	30
Substance Abuse	11	10
Ethanol Poisoning	(1)	(1)
Prescription Drug Poisoning	(6)	(6)
Illegal Drug Poisoning	(1)	(0)
Other Drug Poisonings (OTC, Inhalants, etc.)	(3)	(3)
Blunt Force Injuries	114	30
Head/Cervical Spine Injuries	(64)	(17)
Multiple Injuries	(50)	(13)
Sharp Force Injuries (Cut, Stab, Incised)	7	7
Unnatural- Other	4	4
<i>Unnatural Subtotal</i>	240	141
Undetermined Deaths	Total Cases	Autopsied
Sudden Unexpected Infant Death (SUID)	10	10
Undetermined After Autopsy and/or Investigation	15	15
<i>Undetermined Subtotal</i>	25	25
Total	405	300

NATURAL DEATHS OF CHILDREN

The less than 1 year old age group comprised 73.6 percent of all the natural deaths of children. The rate of natural deaths of black children is approximately 2 times greater than white children (11.9 per 100,000 black children versus 6.1 per 100,000 white children).

Figure 38. Natural Deaths of Children, 17 Years and Younger, by Gender and Age Group, 2006

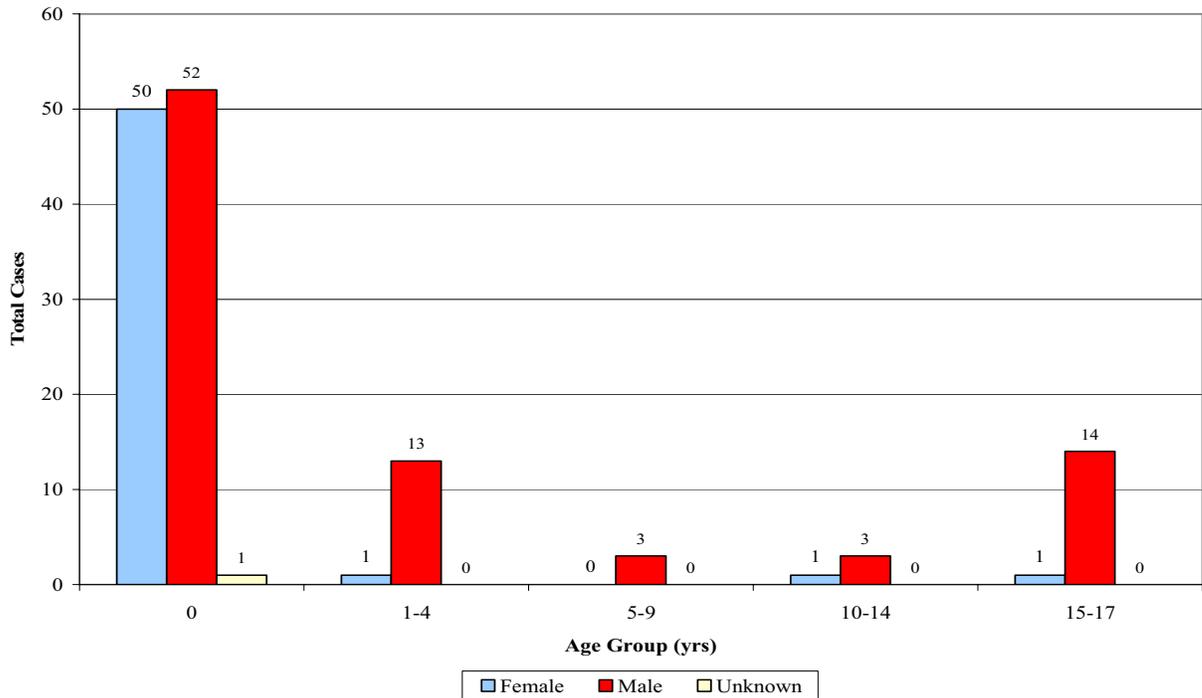
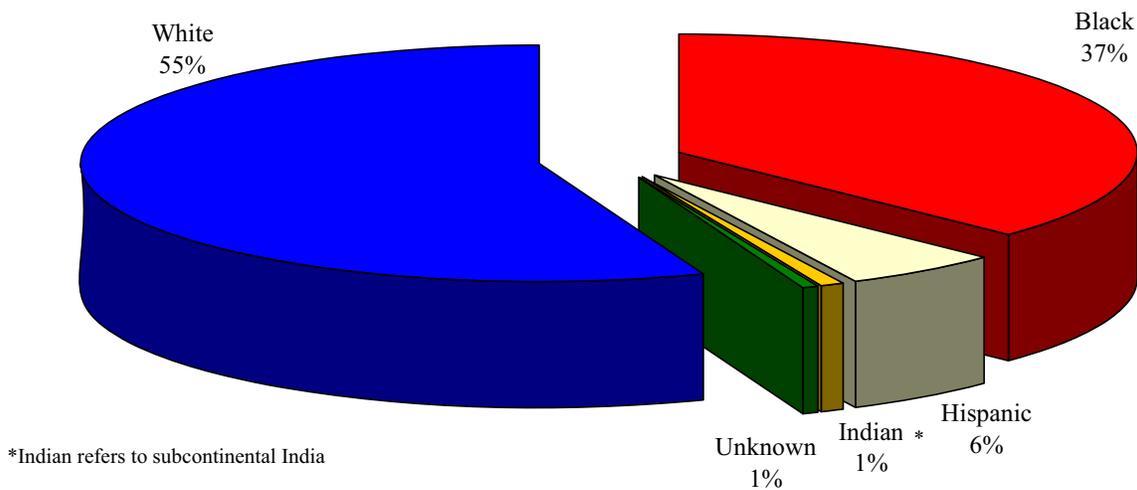


Figure 39. Proportion of Natural Deaths of Children, 17 Years and Younger, by Race/Ethnicity, 2006



ACCIDENTAL DEATHS OF CHILDREN

During 2006, the ratio of male to female accidental deaths averaged 1.8 to 1 for children aged 0 to 17 years.

- More accidental deaths occurred in whites (65.3%), in June (13.5%), and on Sundays (23.5%).
- Being a passenger in an automobile accounted for 32.4 percent of all accidental deaths for children, followed by drowning (14.7%), and then by being the driver of an automobile (12.9%).

Figure 40. Accidental Deaths of Children, 17 Years and Younger, by Gender by Age Group, 2006

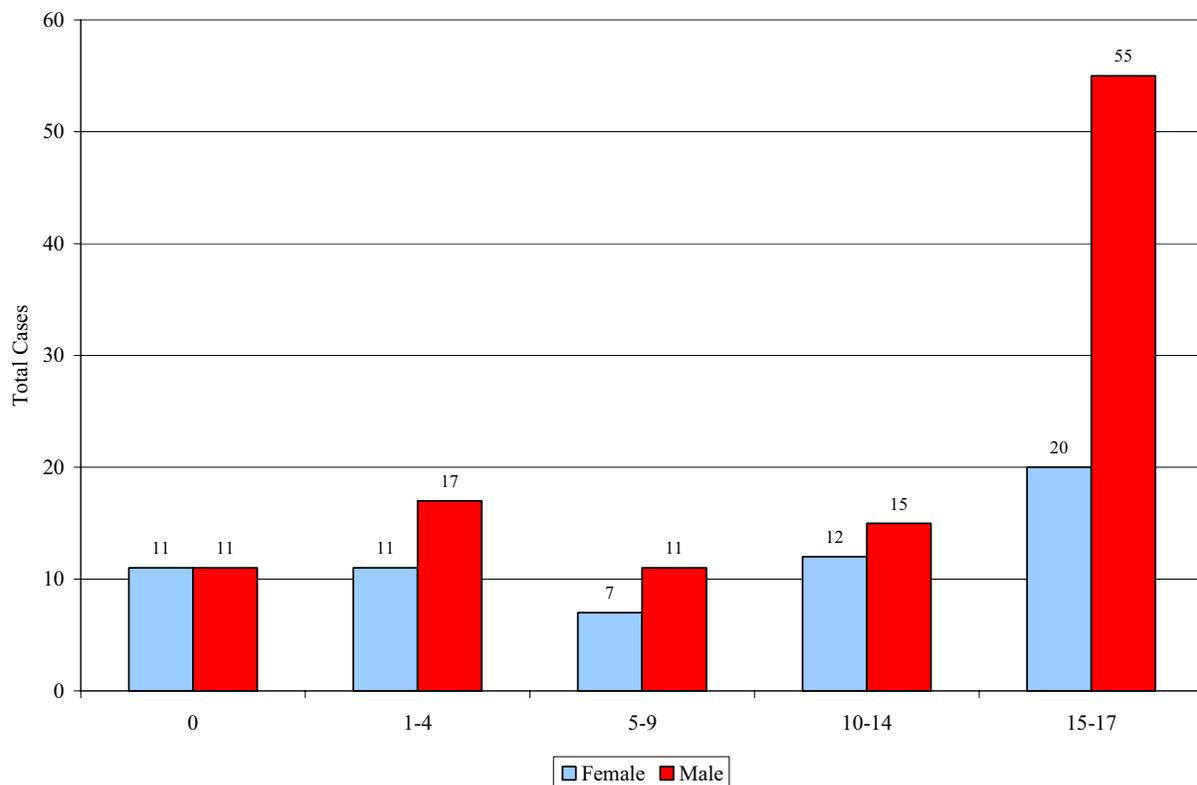


Figure 41. Proportion of Accidental Deaths of Children, 17 Years and Younger, by Race/Ethnicity, 2006

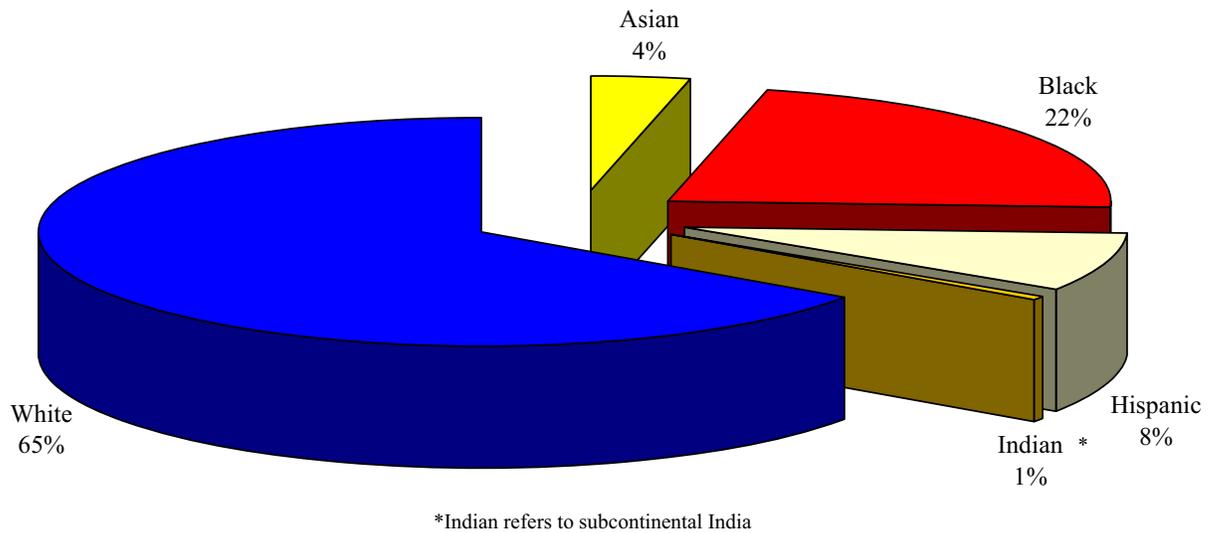


Figure 42. Accidental Deaths of Children, 17 Years and Younger, by Month of Death, 2006

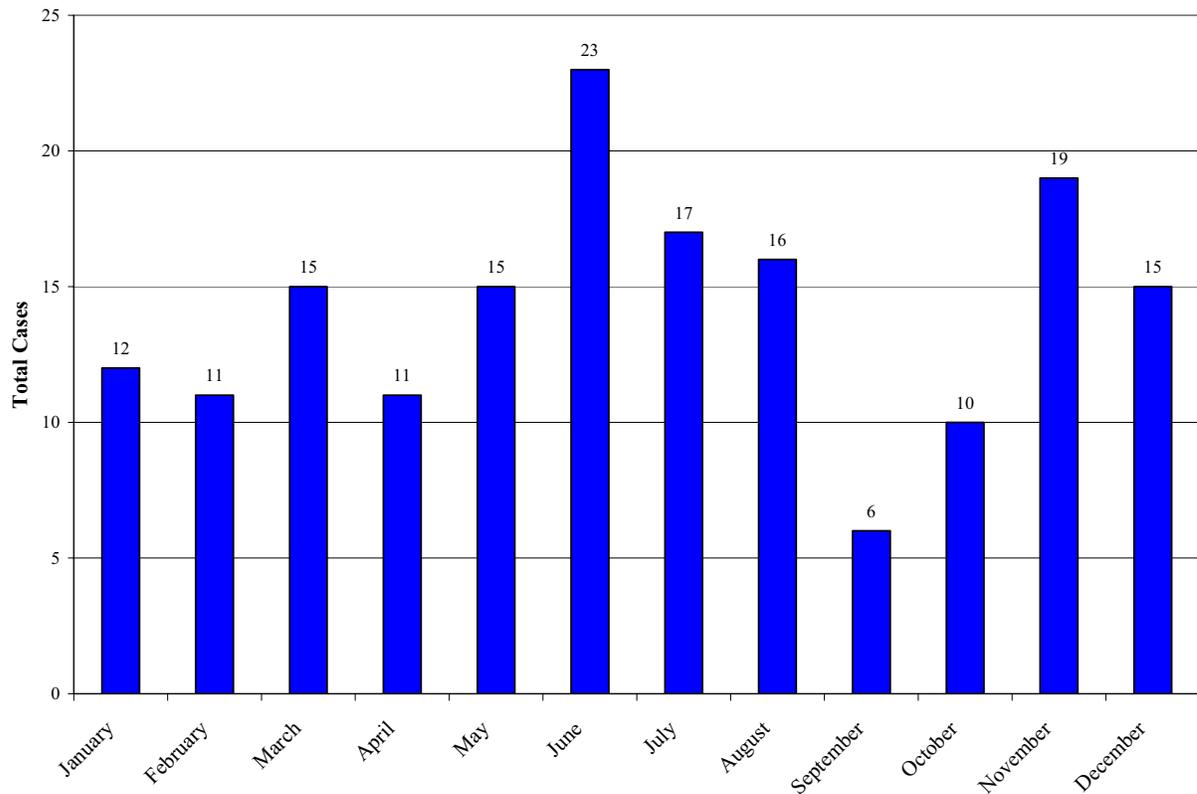


Figure 43. Accidental Deaths of Children, 17 Years and Younger, by Day of Death, 2006

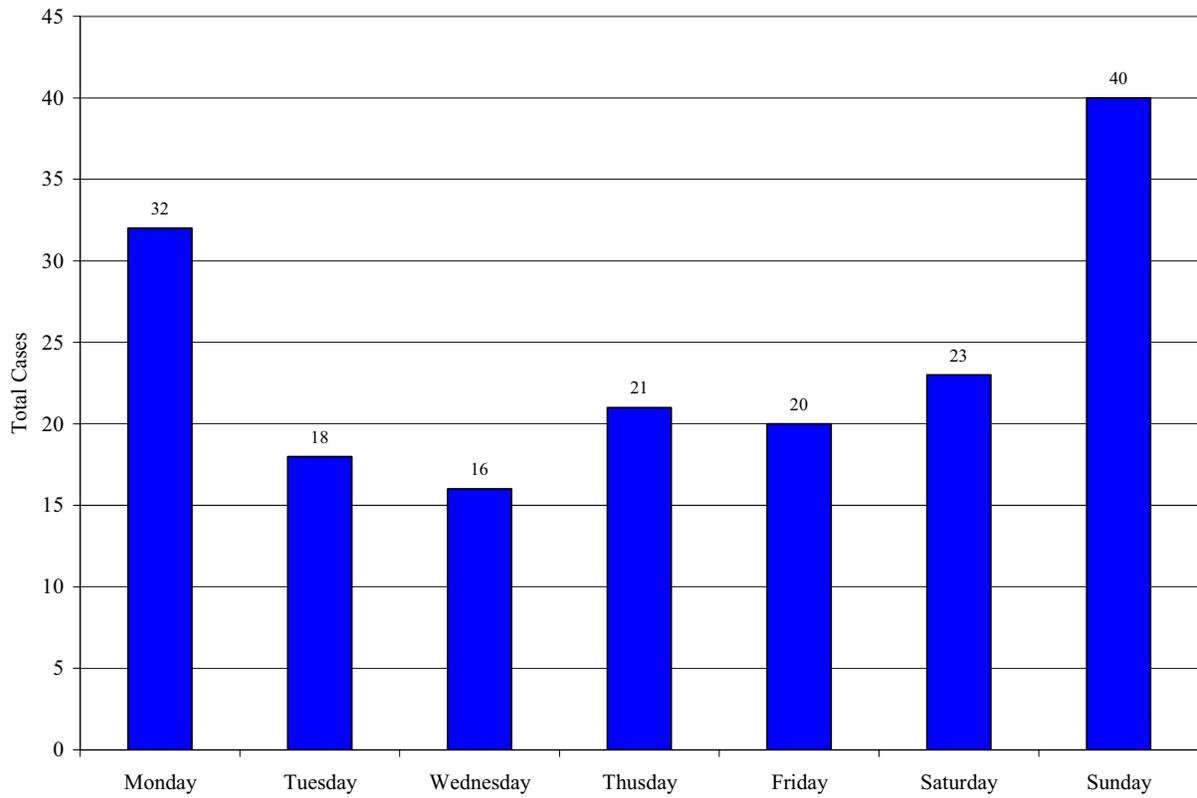


Table 21. Accidental Deaths of Children, 17 Years and Younger, by Method of Death, 2006

Method of Death	Total Cases	Autopsied
<i>Asphyxia</i>		
Choked on food/foreign object	1	1
Crushed/Suffocated	10	10
Drowned	25	18
Hanging	5	4
Mechanical/Positional	7	7
<i>Drug Use</i>		
Ingested ethanol or other alcohol	1	1
Ingested and/or injected illicit, prescription, and/or OTC medications	6	5
<i>Electrical</i>		
Contacted electrical current	1	1
<i>Fall</i>		
Fall from height	6	4
<i>Fire</i>		
Smoke inhalation	5	3
Victim of fire	3	3
<i>Traumatic Injury</i>		
Accidental discharge of shotgun	1	1
Received blow/collided with object	3	0
Other traumatic injury	2	2
<i>Vehicular</i>		
ATV	1	0
Driver of auto/truck	22	3
Passenger of auto/truck	55	10
Pedestrian hit by auto/truck	10	0
Unknown occupant of auto/truck	2	1
Bicycle	2	0
Other type of vehicle	2	0
Total	170	74

SUICIDE DEATHS OF CHILDREN

In 2006, the number of suicide deaths of children decreased from the previous year.

- Suicide was more common among males (77.8%), whites (83.3%), and children aged 16 years (38.9%).
- Over 60 percent of suicides were committed using some type of firearm.

Figure 44. Suicide Deaths of Children, 17 Years and Younger, by Gender by Age, 2006

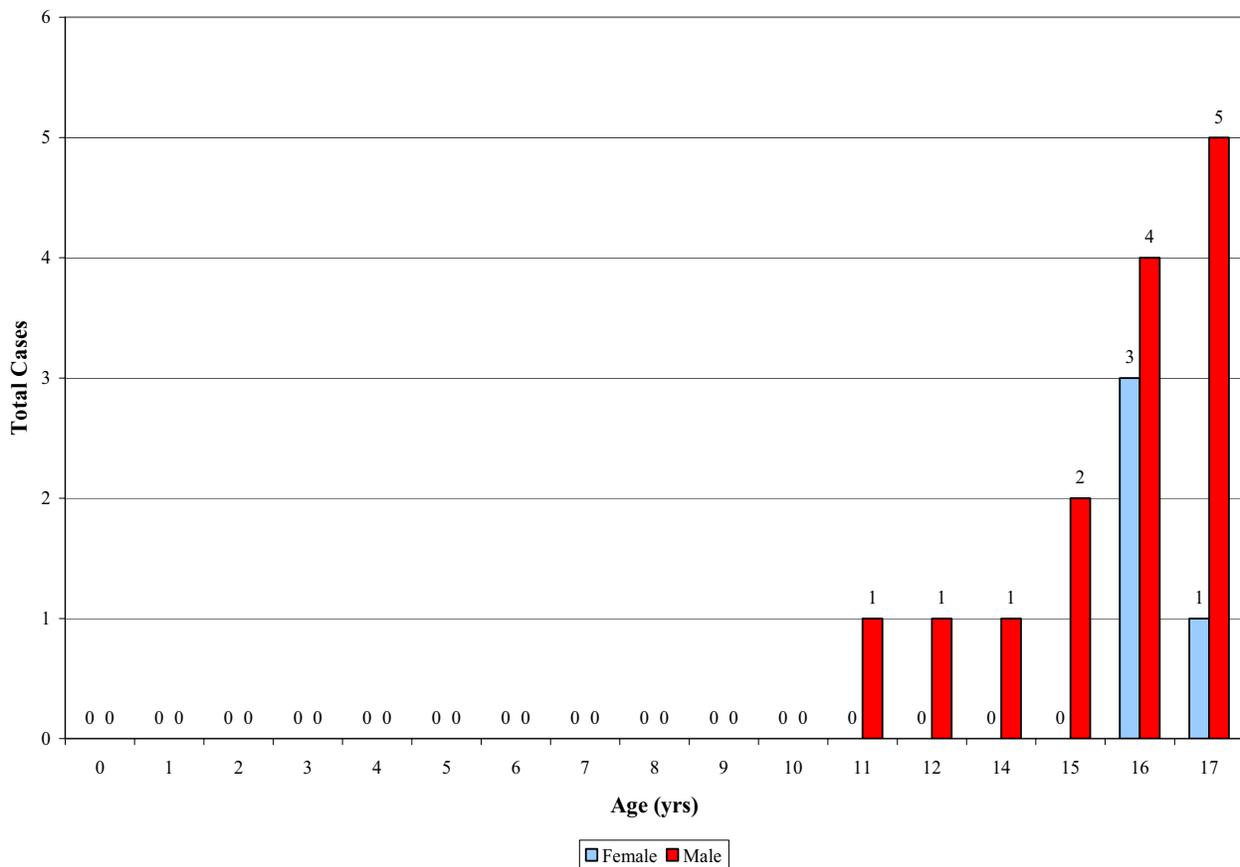


Figure 45. Proportion of Suicide Deaths by Children, 17 Years and Younger, by Race/Ethnicity, 2006

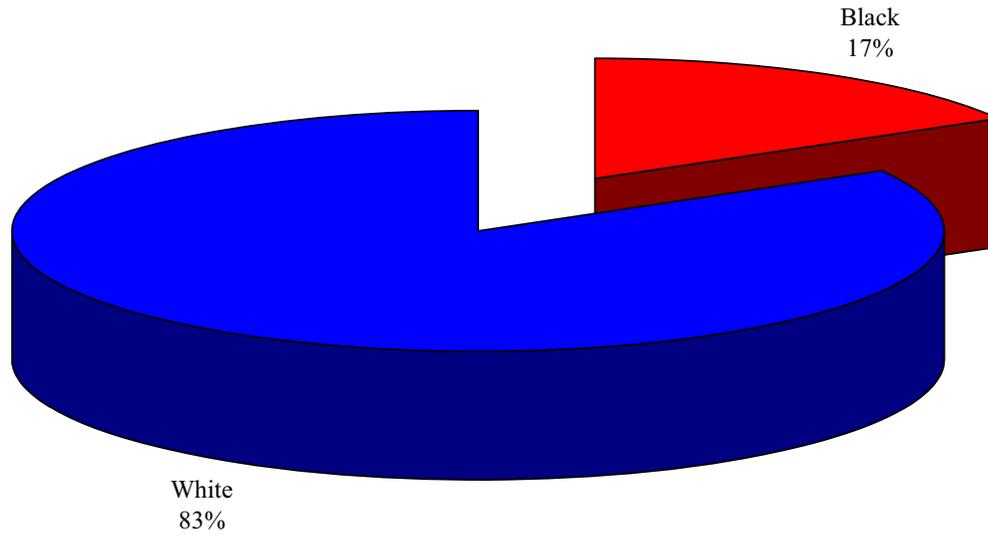


Figure 46. Suicide Deaths of Children, 17 Years and Younger, by Month of Death, 2006

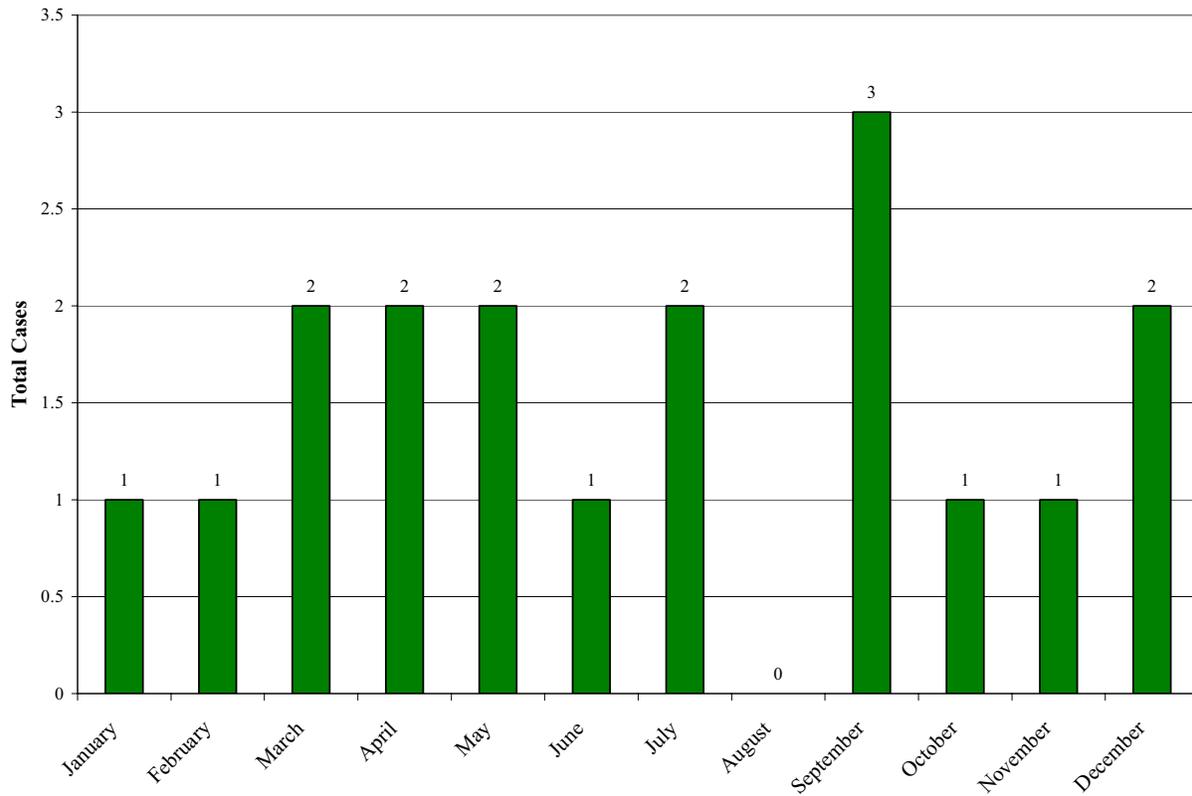


Figure 47. Suicide Deaths of Children, 17 Years and Younger, by Day of Death, 2006

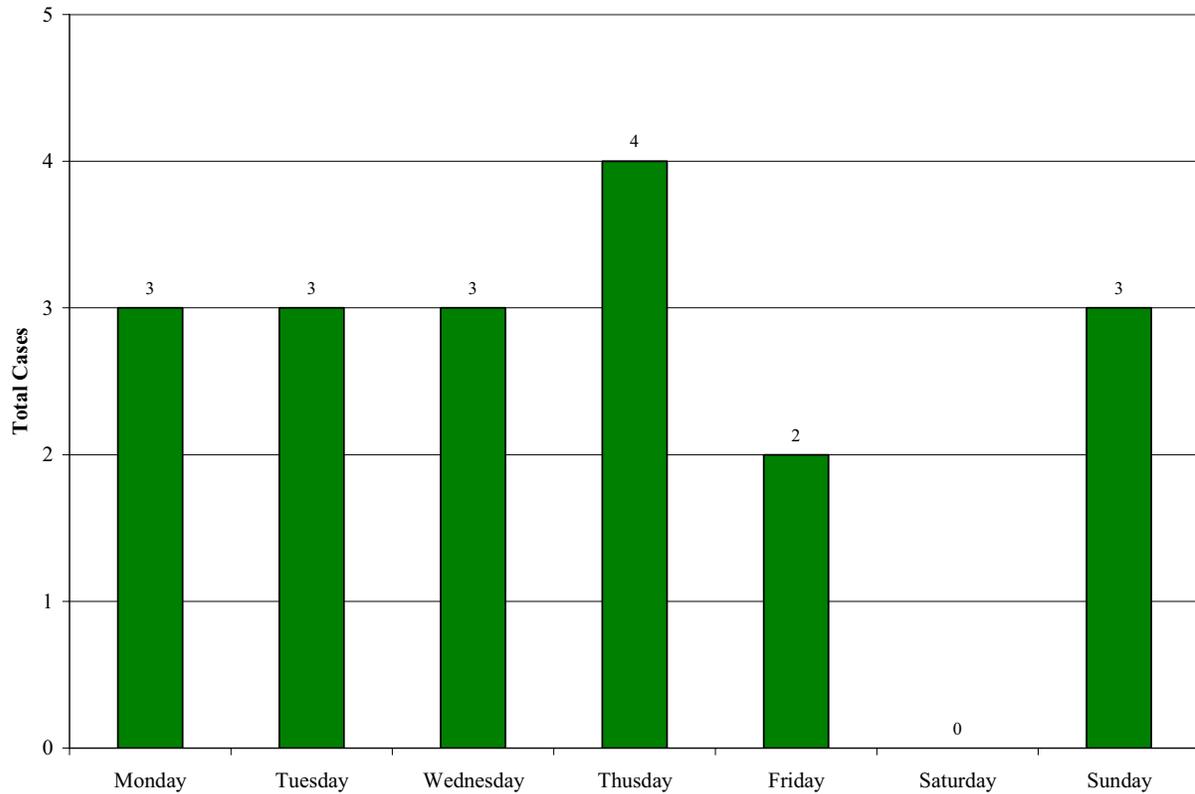
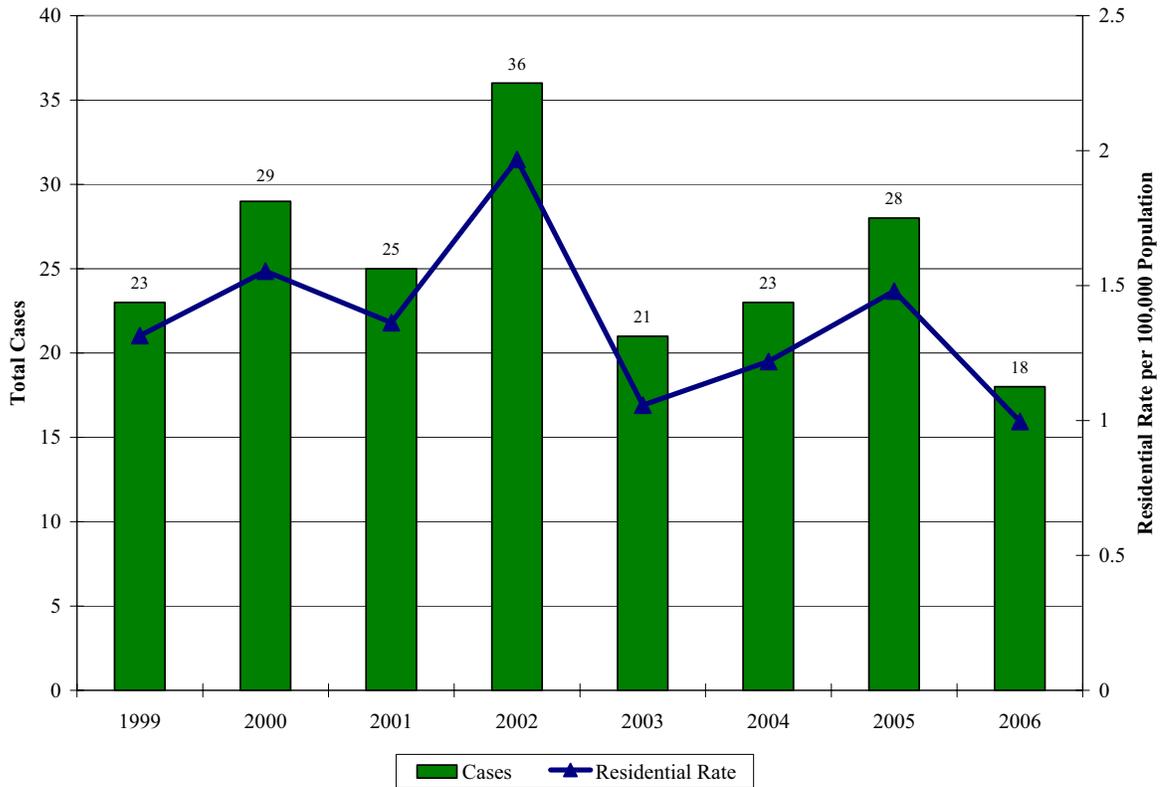


Table 22. Suicide Deaths of Children, 17 Years and Younger, by Method of Death, 2006

Method of Death	Total Cases	Autopsied
<i>Asphyxia</i>		
Hanging	5	3
<i>Drug Use</i>		
Ingested and/or injected illicit, prescription, and/or OTC medications	2	2
<i>Traumatic Injury</i>		
Shot self with of firearm	11	10
Handgun	(8)	(7)
Shotgun	(3)	(3)
Total	18	15

Figure 48. Suicide Deaths of Children, 17 Years and Younger, by Year of Death, 1999*-2006



*The 1999 population data is an estimate from VDH's Center for Health Statistics' data. The 15-17 year olds were contained within the age group for 15-19 year old; therefore 60 percent of the 15-19 age group was added into the 0-14 year old age groups to estimate the total 1999 children population of 0-17 year olds.

HOMICIDE DEATHS OF CHILDREN

During 2006, Virginia experienced a decrease of homicide deaths among children from the previous year. Homicides occurred more frequently in January (21.8%) and on Wednesdays and Saturdays (39.1%).

- Males died from homicides at 2.8 times more than females overall
 - Males slightly exceeded females 1.3 to 1.0 for children age 1-10 years old
 - Males had 20 times more homicides than females for older children (aged 11-17 years).
- Of the 46 homicides, black children represented 63 percent of these deaths with a rate of 6.6 homicides per 100,000 black children compared to 1.2 homicides per 1000,000 white children.
- Firearms were the method of death in 39.1 percent of homicides of children.

Figure 49. Homicide Deaths of Children, 17 Years and Younger, by Gender by Age, 2006

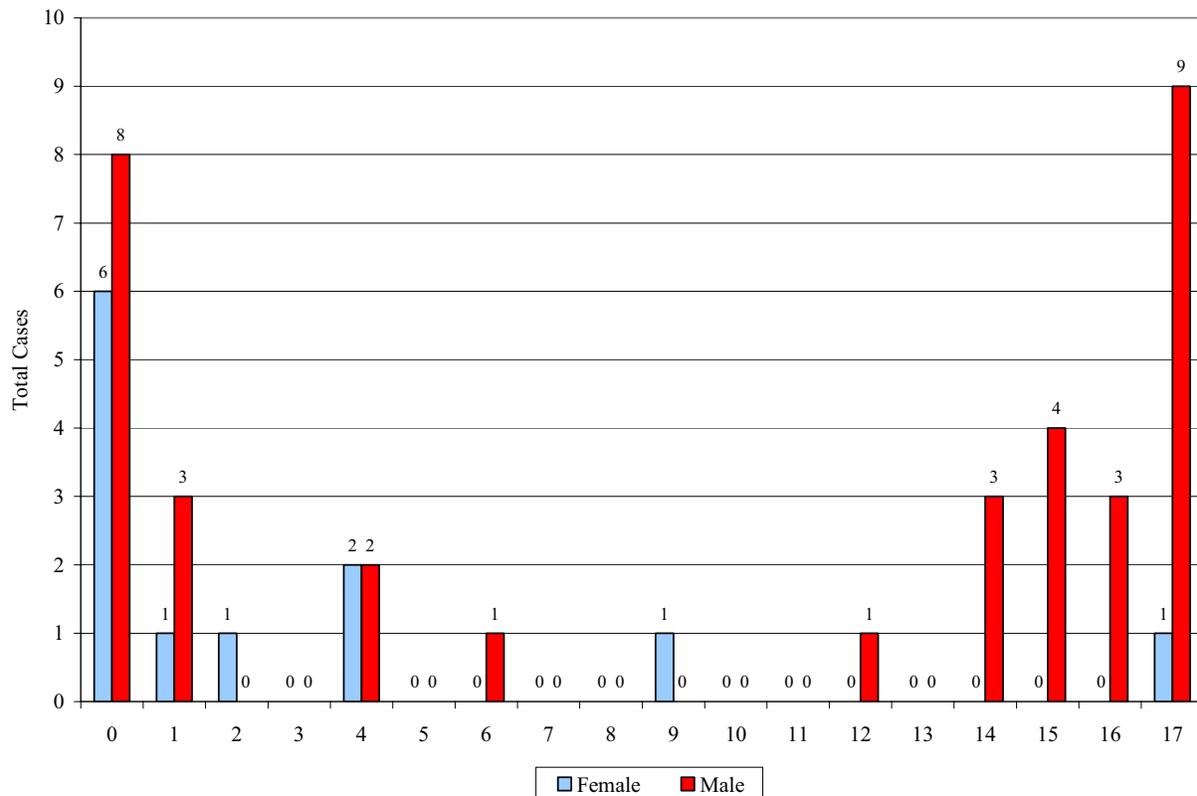


Figure 50. Proportion of Homicide Deaths of Children, 17 Years and Younger, by Race/Ethnicity, 2006

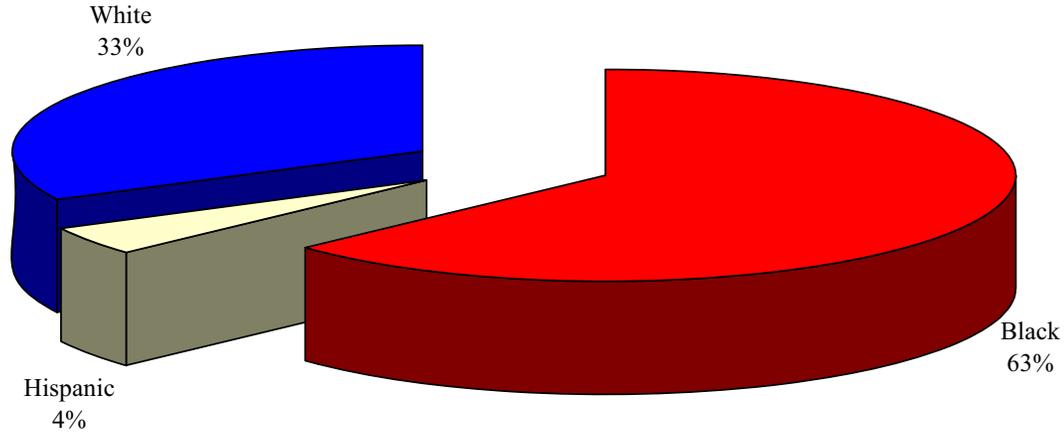


Figure 51. Homicide Deaths of Children, 17 Years and Younger, by Month of Death, 2006

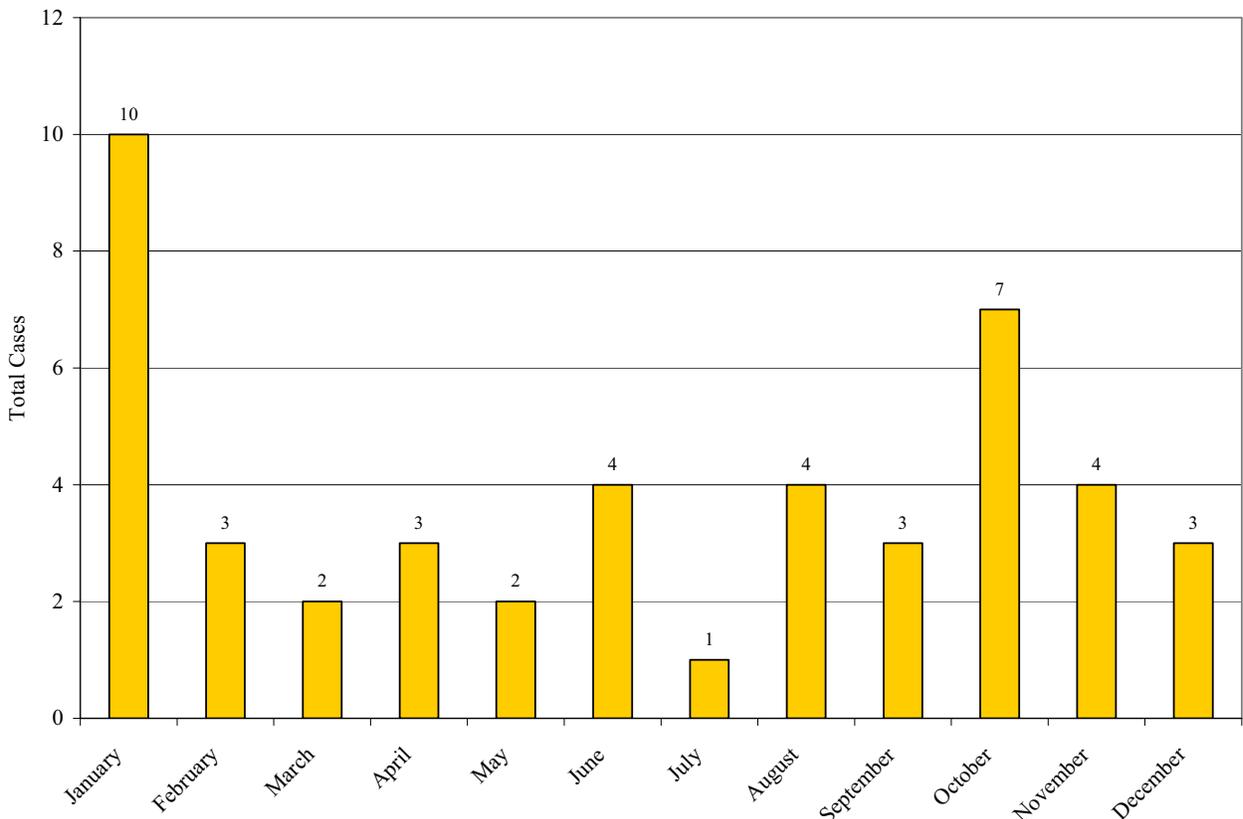


Figure 52. Homicide Deaths of Children, 17 Years and Younger, by Day of Death, 2006

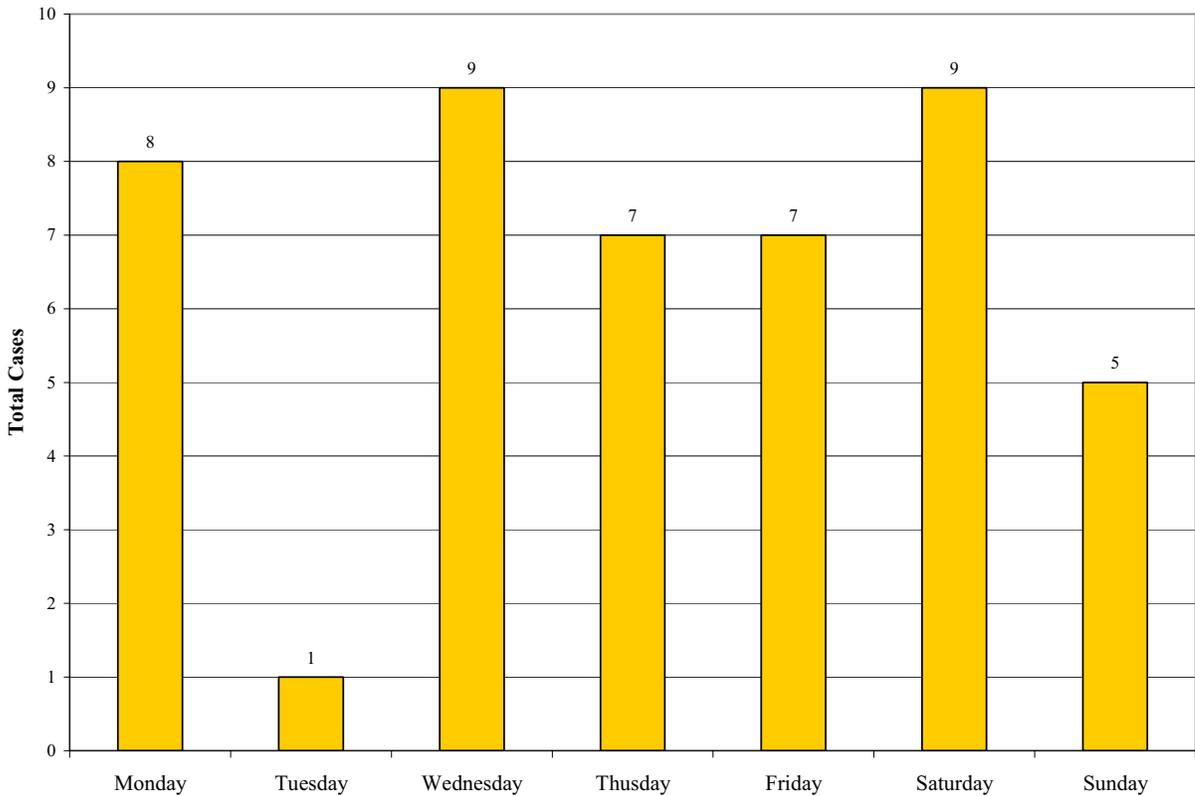
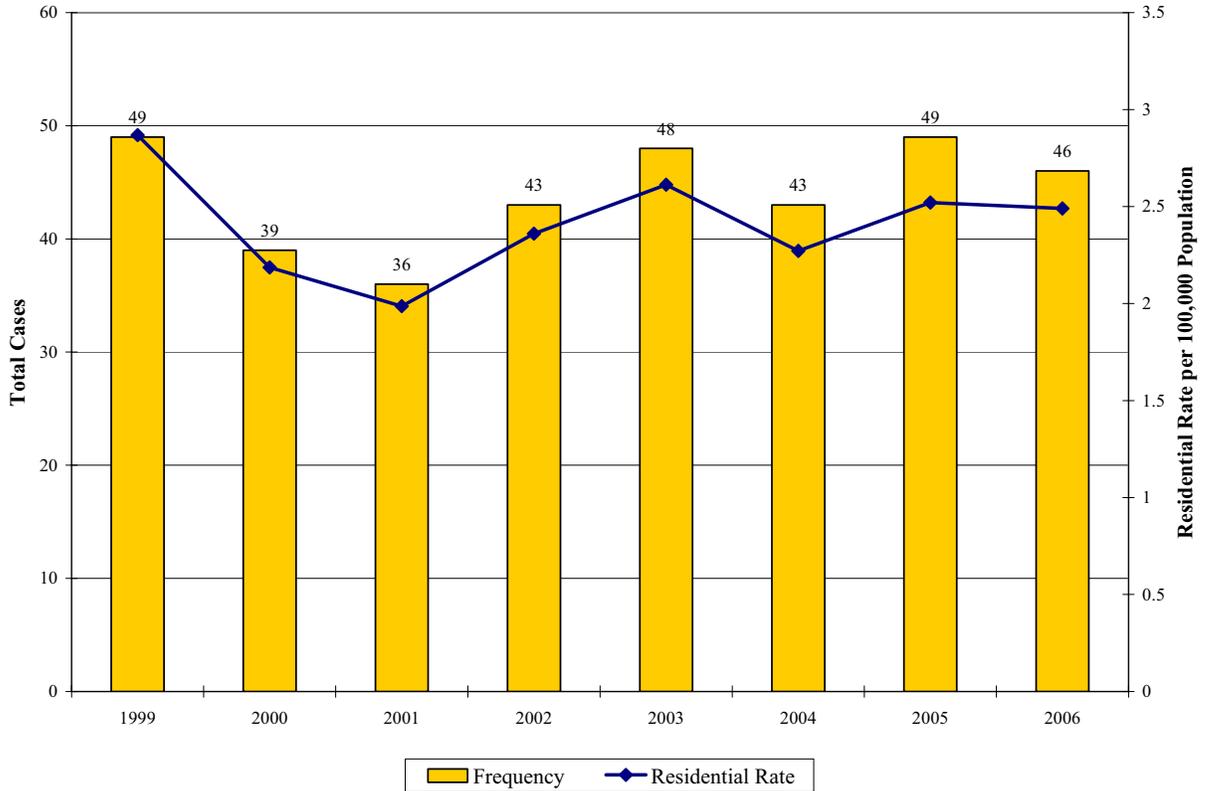


Table 23. Homicide Deaths of Children, 17 Years and Younger, by Method of Death, 2006

Method of Death	Total Case	Autopsied
<i>Asphyxia</i>		
Strangled by assailant(s)	1	1
Suffocated/Smothered	4	4
<i>Traumatic Injury</i>		
Beaten by assailant(s)	10	10
Fall/Push	2	2
Poisoned (Ethanol and/or drugs)	2	2
Shot by assailant(s) with firearm	18	18
Handgun	(15)	(15)
Shotgun	(3)	(3)
Stabbed by assailant(s)	7	7
Traumatic - Other	1	1
<i>Unknown</i>		
Homicide - Other	1	1
Total	46	46

Figure 53. Homicide Deaths of Children, 17 Years and Younger, by Year of Death, 1999*-2006



*The 1999 population data is an estimate from VDH's Center for Health Statistics' data. The 15-17 year olds were contained within the age group for 15-19 year old; therefore 60 percent of the 15-19 age group was added into the 0-14 year old age groups to estimate the total 1999 children population of 0-17 year olds.

UNDETERMINED DEATHS OF CHILDREN

A total of 31 undetermined deaths of children occurred in 2006. The majority of these undetermined deaths were found in children aged less than 1 year (83.9%).

Figure 54. Undetermined Deaths of Children, 17 and Younger, by Race/Ethnicity, 2006

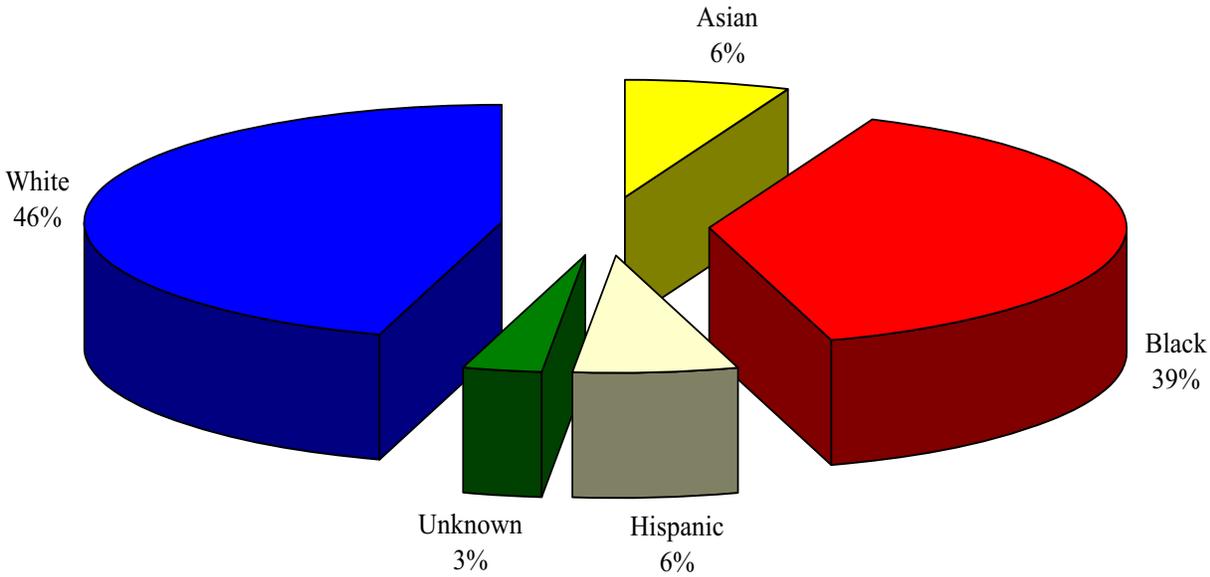


Table 24. Undetermined Deaths of Children, 17 Years and Younger, by Method of Death, by Age, 2006

Method of Death	Total Cases	Autopsied
Undetermined Manner & Cause of Death		
Sudden Unexpected Infant Death	10	10
Undetermined after autopsy and/or toxicology	12	12
Subtotal for Undetermined Manner & Cause of Death	22	22
Undetermined Manner but Cause of Death Determined		
<i>Asphyxia</i>		
Drowning	1	1
Suffocation/Smothering	3	3
<i>Drug Use</i>		
Ingested/Injected medication	1	1
<i>Traumatic Injury</i>		
Gunshot wound	2	2
Other traumatic causes	2	2
Subtotal for Undermined Manner but Cause of Death Determined	9	9
Determined Manner but Cause of Death Undetermined		
Undetermined cause of death after autopsy and/or toxicology	0	0
Subtotal for Determined Manner but Cause of Death Undetermined	0	0
Total	31	31
Age		
0	26	26
1	2	2
9	1	1
15	1	1
16	1	1
Total	31	31

SECTION 5: ETHANOL RELATED DEATHS

Ethanol, at a level of 0.01 percent by weight by volume (W/V) or greater, was detected in the blood of 1205 decedents (20.4%) in 2006. Of those cases with a detectable ethanol level, 60.4 percent had a measured level at or above 0.08 percent W/V, which is the legal limit for operating a motor vehicle in Virginia. Ethanol was detected in 13.2 percent of all natural deaths, 24.9 percent of all unnatural deaths, and 8.9 percent of undetermined deaths.

- Accidents were responsible for 43.5 percent of all ethanol related deaths.
- Males died from ethanol related deaths 4.1 times that of females.

Figure 55. Ethanol Related Deaths by Manner of Death, 2006
Measure Ethanol \geq 0.01% W/V

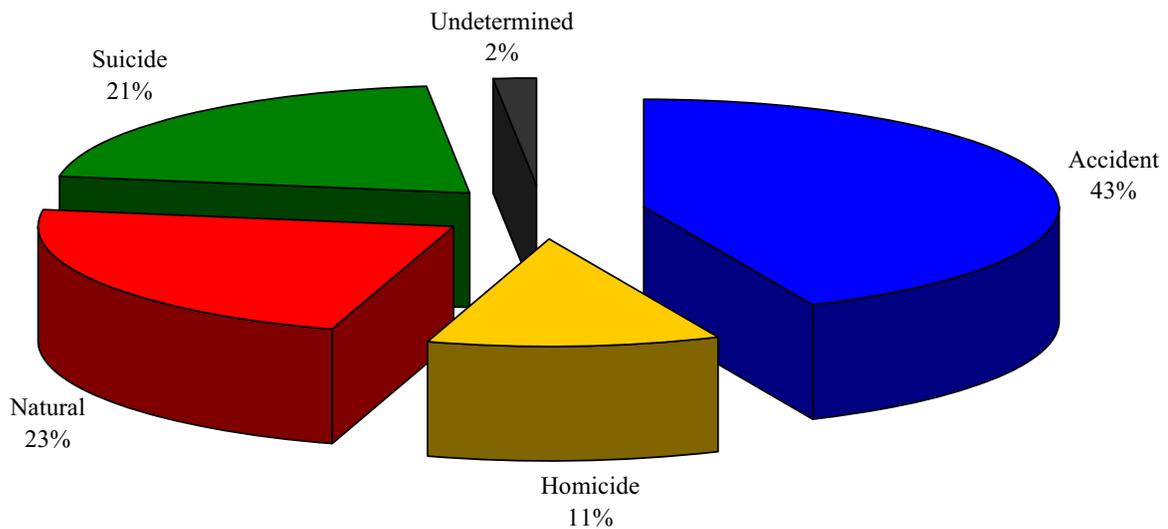


Figure 56. Ethanol Related Deaths by Gender by Age Group, 2006
Measured Ethanol $\geq 0.01\%$ W/V

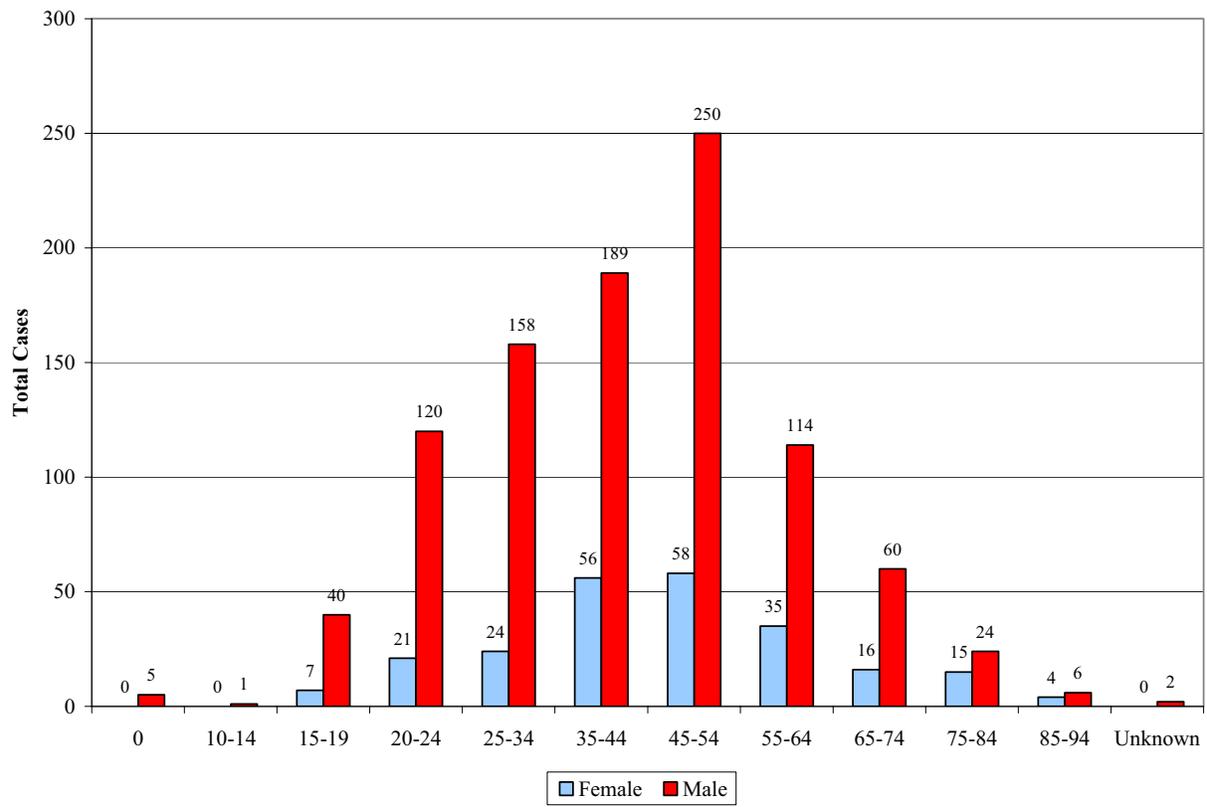
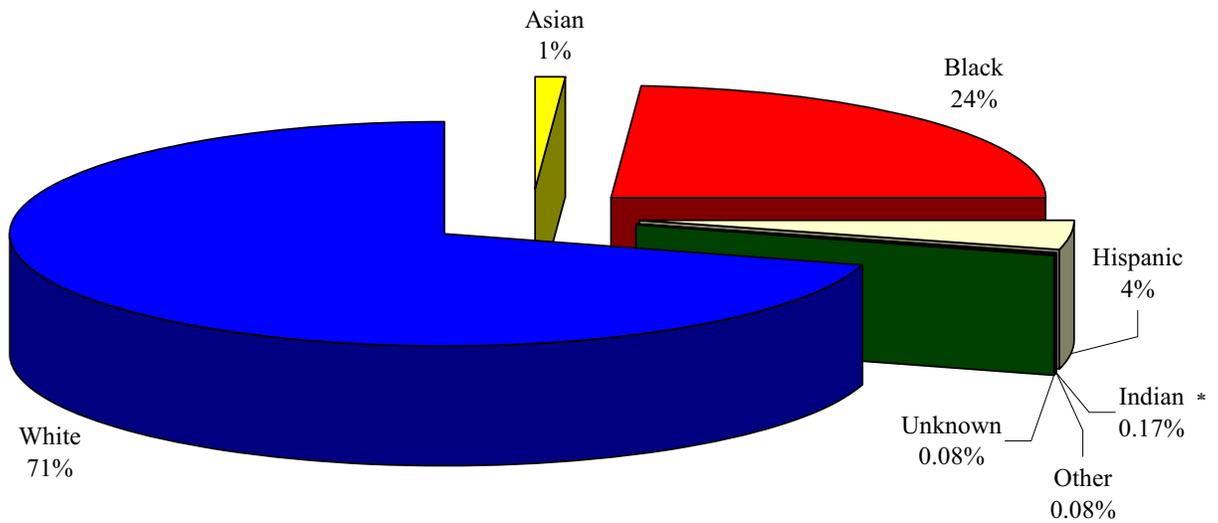


Figure 57. Ethanol Related Deaths by Race/Ethnicity, 2006
Measured Ethanol $\geq 0.01\%$ W/V



*Indian refers to subcontinental India

Figure 58. Ethanol Related Deaths by Measured Ethanol Level, 2006, %W/V

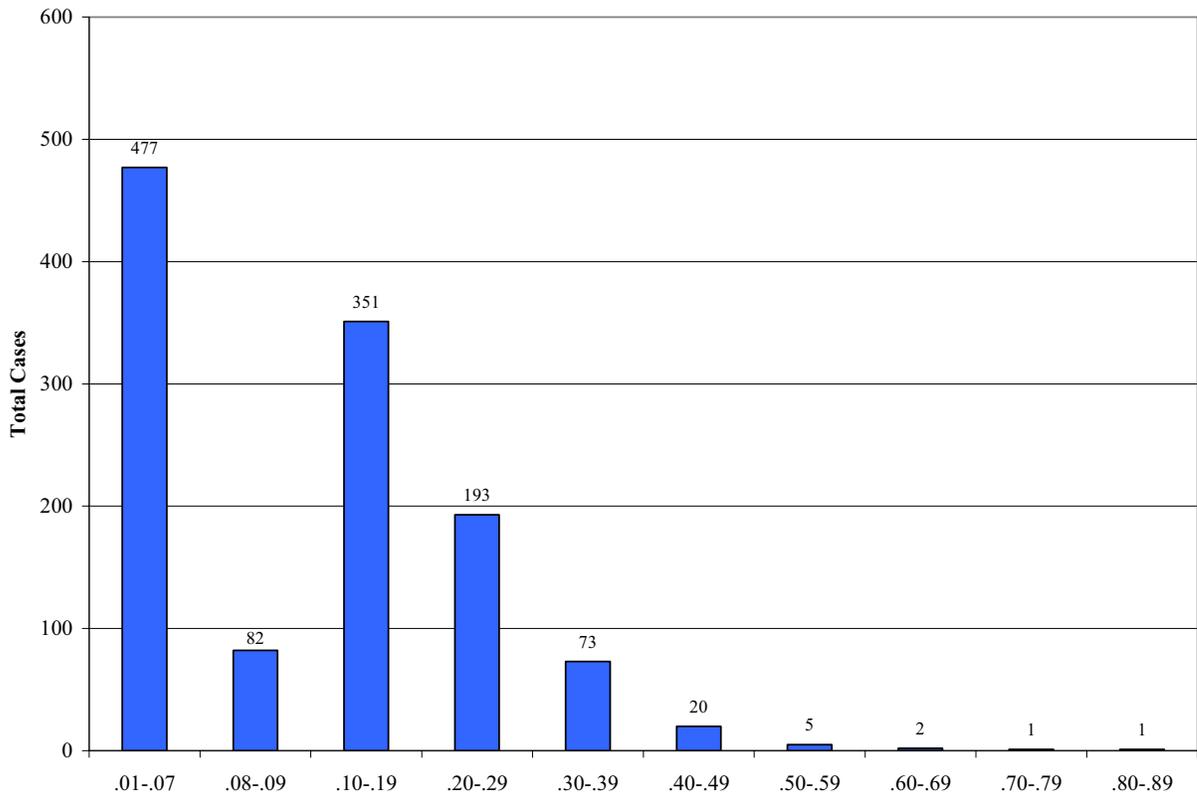


Table 25. Ethanol Related Natural and Unnatural Deaths by Cause of Death, 2006

Natural Deaths	Total Cases	Ethanol \geq 0.01%W/V	
		Yes	No
Aortic Dissection	13	0	13
Blood Disorders	6	1	5
Carcinomas	34	1	33
Cardiac Diseases	1374	177	1197
Atherosclerosis	(1043)	(129)	(914)
Hypertension	(190)	(34)	(156)
Cardiac- Other	(141)	(14)	(127)
Central Nervous System Diseases/Disorders	94	9	85
Degenerative Diseases	(10)	(0)	(10)
Malignancy	(3)	(0)	(3)
Seizure Disorders	(34)	(3)	(31)
Vascular Diseases	(41)	(6)	(35)
CNS- Other	(6)	(0)	(6)

Diabetes	49	7	42
Excited Delirium (Not Cocaine Related)	3	0	3
Gastrointestinal Diseases	44	6	38
Gastrointestinal Hemorrhage	(27)	(4)	(23)
Malignancy	(8)	(0)	(8)
GI- Other	(9)	(2)	(7)
Infectious Diseases	133	10	123
AIDS/HIV	(8)	(1)	(7)
Bacterial Pneumonia	(65)	(4)	(61)
Viral Pneumonia	(1)	(0)	(1)
Meningitis (Bacterial & Viral)	(4)	(0)	(4)
Sepsis	(33)	(2)	(31)
Viral Infection	(7)	(0)	(7)
ID- Other	(15)	(3)	(12)
Liver Diseases	119	44	75
Cirrhosis	(6)	(1)	(5)
Chronic Ethanolism	(94)	(43)	(51)
Hepatitis	(9)	(0)	(9)
Malignancy	(7)	(0)	(7)
Liver- Other	(3)	(0)	(3)
Obesity	8	2	6
Pulmonary Diseases	107	14	93
Asthma	(12)	(2)	(10)
COPD	(27)	(6)	(21)
Malignancy	(18)	(0)	(18)
Emboli	(43)	(5)	(38)
Pulmonary-Other	(7)	(1)	(6)
Renal Diseases	8	2	6
Congenital Defect	19	0	19
Maternal and Fetal Complications	9	0	9
Sudden Infant Death Syndrome (SIDS)	64	3	61
Natural- Other	12	1	11

<i>Natural Subtotal</i>	2096	277	1819
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Ethanol \geq 0.01%W/V

Unnatural Deaths	Total Cases	Yes	No
Asphyxia	390	91	299
Aspiration (Food/Foreign Object)	(20)	(1)	(19)
Drowning	(138)	(39)	(99)
Hanging	(151)	(40)	(111)
Mechanical	(22)	(2)	(20)
Positional	(10)	(1)	(9)
Strangulation	(15)	(4)	(11)
Suffocation/Smothering	(34)	(4)	(30)

Electrocution	8	1	7
Exposure	25	6	19
Hyperthermia	(11)	(0)	(11)
Hypothermia	(14)	(6)	(8)
Fire Injuries (Burns, CO Poisoning)	123	27	96
Gunshot Wound	812	239	573
Judicial Intervention	4	0	4
Substance Abuse	703	198	505
Ethanol Poisoning	(16)	(16)	(0)
Prescription Drug Poisoning	(344)	(79)	(265)
Illegal Drug Poisoning	(159)	(51)	(108)
Other Drug Poisonings (OTC, Inhalants, etc.)	(32)	(10)	(22)
Acute Combined Drug Poisoning	(120)	(37)	(83)
Carbon Monoxide Poisoning (Excludes Fire Deaths)	(32)	(13)	(19)
Blunt Force Injuries	1539	319	1220
Head/Cervical Spine Injuries	(692)	(140)	(552)
Multiple Injuries	(847)	(179)	(668)
Sharp Force Injuries (Cut, Stab, Incised)	83	32	51
Unnatural- Other	23	3	20
<i>Unnatural Subtotal</i>	3710	924	2786

Ethanol \geq 0.01%W/V

Undetermined Deaths	Total Cases	Yes	No
Sudden Unexpected Infant Death (SUID)	10	0	10
Skeletal/Mummified Remains	3	0	3
Undetermined After Autopsy and/or Investigation	32	4	28
<i>Undetermined Subtotal</i>	45	4	41
Total	5851	1205	4646

ETHANOL RELATED ACCIDENTAL DEATHS

Ethanol was detected in 22 percent of all accidental deaths in 2006; this was a slight decrease from the previous year.

- Vehicular related accidental deaths had detectable levels of ethanol in 26.0 percent of these deaths.
- Drug related accidental deaths had detectable levels of ethanol in 24.5 percent of these deaths.

Table 26. Ethanol Related Accidental Deaths by Method of Death, 2006

Method of Death	Total Cases	Ethanol \geq0.01% W/V	
		Yes	No
<i>Aircraft</i>			
Passenger/Pilot in aircraft crash	14	1	13
<i>Animal Related</i>			
Animal related (bitten, stung, kicked)	2	0	2
<i>Asphyxia</i>			
Allergic reaction	1	0	1
Choked on food/foreign object	18	1	17
Crushed/Suffocated	34	3	31
Drowned	114	33	81
Hanging	7	1	6
Plastic bag	1	0	1
Strangled	5	1	4
<i>Drug Use</i>			
Ingested ethanol or other alcohol	17	15	2
Ingested and/or injected illicit, prescription, and/or OTC medications	502	123	379
<i>Electrical</i>			
Contacted electrical current	8	1	7
<i>Exposure</i>			
Exposed to cold	14	6	8
Exposed to heat	10	0	10
<i>Fall</i>			
Fall from all heights	373	32	341
<i>Fire</i>			
Scalded by hot water, hot oil, other agent	1	0	1
Smoke inhalation	58	16	42
Victim of explosion	2	0	2
Victim of fire	46	5	41

Method of Death	Total Cases	Ethanol \geq 0.01% W/V	
		Yes	No
<i>Machinery</i>			
Farm or industrial machinery accident	25	2	23
<i>Motor Vehicle</i>			
ATV	19	9	10
Driver of auto/truck	566	174	392
Passenger of auto/truck	225	46	179
Pedestrian hit by auto/truck	94	23	71
Unknown occupant of auto/truck	22	0	22
Bicycle	19	1	18
Moped	1	0	1
Motorcycle	66	12	54
Train	5	2	3
Other type of Vehicle	8	0	8
<i>Poisoned</i>			
Inhaled toxic agent (Carbon Monoxide)	11	5	6
<i>Traumatic Injury</i>			
Accidental discharge of firearm	12	3	9
Handgun	(7)	(2)	(5)
Rifle	(2)	(0)	(2)
Shotgun	(1)	(0)	(1)
Other	(2)	(1)	(1)
Accidental cut injury	4	1	3
Cave-in	1	0	1
Falling object	30	0	30
Received blow/collided with object	4	1	3
Sports related	2	0	2
Other traumatic causes	12	0	12
<i>Unknown</i>			
Accidental - Unknown	1	0	1
Total	2354	517	1837

ETHANOL RELATED SUICIDE DEATHS

Ethanol was detected in 249 or 28.2 percent of all suicides. Of these 249 suicides with ethanol present, the most frequent method of suicide was to shoot oneself with a firearm (57.4%) followed by hanging oneself (17.3%).

Table 27. Ethanol Related Suicide Deaths by Method of Death, 2006

Method of Death	Total Cases	Ethanol $\geq 0.01\%$ W/V	
		Yes	No
<i>Asphyxia</i>			
Crushed/Suffocated	4	0	4
Drowned	15	2	13
Hanging	142	38	104
Helium	2	0	2
Plastic bag	11	3	8
Strangled	2	0	2
<i>Drug Use</i>			
Ingested and/or injected illicit, prescription, and/or OTC medications	139	43	96
<i>Fire</i>			
Burned self	3	0	3
Smoke inhalation (Carbon Monoxide)	2	1	1
<i>Jump</i>			
Jumped from height	24	6	18
<i>Motor Vehicle</i>			
Driver of auto/truck	2	1	1
Pedestrian hit by auto/truck	4	0	4
Train	4	1	3
<i>Poisoned</i>			
Carbon Monoxide- (Generator or motor vehicle exhaust)	20	8	12
<i>Traumatic Injury</i>			
Shot self with of firearm	493	143	350
Handgun	(386)	(115)	(271)
Rifle	(34)	(9)	(25)
Shotgun	(71)	(18)	(53)
Unspecified	(2)	(1)	(1)
Cut/Stabbed self	16	2	14
Other traumatic causes	1	1	0
Total	884	249	635

ETHANOL RELATED HOMICIDE DEATHS

Ethanol was detected in 31.9 percent of all homicide deaths in 2006. In homicide deaths involving a firearm, ethanol was detected in 30.6 percent.

Table 28. Ethanol Related Homicide Deaths by Method of Death, 2006

Method of Death	Total Case	Ethanol \geq 0.01% W/V	
		Yes	No
<i>Asphyxia</i>			
Strangled by assailant(s)	8	3	5
Suffocated/Smothered	8	0	8
<i>Judicial Intervention</i>			
Electrocution by judicial order	1	0	1
Lethal injection by judicial order	3	0	3
<i>Traumatic Injury</i>			
Beaten by assailant(s)	32	8	24
Fall/Push	4	1	3
Poisoned (Ethanol and/or drugs)	2	1	1
Shot by assailant(s) with firearm	304	93	211
Handgun	(252)	(80)	(172)
Rifle	(8)	(2)	(6)
Shotgun	(22)	(8)	(14)
Unspecified	(22)	(3)	(19)
Stabbed by assailant(s)	58	27	31
Traumatic - Other	5	3	2
<i>Vehicular</i>			
Struck with auto by assailant(s)	1	0	1
<i>Unknown</i>			
Homicide - Other	1	0	1
Total	427	136	291

ETHANOL RELATED UNDETERMINED DEATHS

Ethanol was detected in 20 percent of all undetermined deaths.

Table 29. Ethanol Related Undetermined Deaths by Method of Death, 2006

Undetermined Manner & Cause of Death	Total Cases	Ethanol \geq 0.01% W/V	
		Yes	No
Undetermined after autopsy and/or toxicology	45	5	40
Subtotal for Undetermined Manner & Cause of Death	45	5	40
Undetermined Manner but Cause of Death Determined			
<i>Asphyxia</i>			
Drowning	9	4	5
Hanging	1	0	1
Suffocation/Smothering	3	0	3
<i>Drug Use</i>			
Ingested/Injected medication	12	3	9
<i>Fall</i>			
Fall from height/same height	1	0	1
<i>Fire</i>			
Explosion/Victim of fire	1	0	1
<i>Poisoned</i>			
Inhaled toxic agent	2	1	1
<i>Traumatic Injury</i>			
Beating/Blows/Blunt instrument	2	1	1
Gunshot wound	5	1	4
Other traumatic causes	5	1	4
<i>Vehicular</i>			
Driver/Passenger/Pedestrian	3	1	2
Train	1	1	0
Subtotal for Undetermined Manner but Cause of Death Determined	45	13	32
Determined Manner but Cause of Death Undetermined			
Undetermined manner of death after autopsy and/or toxicology	0	0	0
Subtotal for Determined Manner but Cause of Death Undetermined	0	0	0
Total	90	18	72

SECTION 6: MOTOR VEHICLE RELATED DEATHS

The OCME investigated 1,056 motor vehicle related deaths in 2006; and in 22.1 percent of these deaths, the decedent had a measured blood alcohol level at or above the legal limit of 0.08 percent W/V.

- Whites accounted for 70.5 percent motor vehicle deaths and 73.9 percent of motor vehicle deaths in which the decedent had a measured blood alcohol level at or above 0.01 percent W/V.
- Overall, males died from motor vehicle incidents 2.7 time more than females and 5 times more than females with the presence of alcohol.
- Persons aged 45-54 years old had more deaths (15.5%) in motor vehicle incidents than any other age group.
- Of all the motor vehicle related deaths, 570 or 54 percent of the decedents were the drivers of the vehicle, while 157 or 27.5 percent of these deceased drivers had a measured blood alcohol level at or above 0.08 percent W/V.

Figure 59. Motor Vehicle Deaths by Gender and by Age, 2006

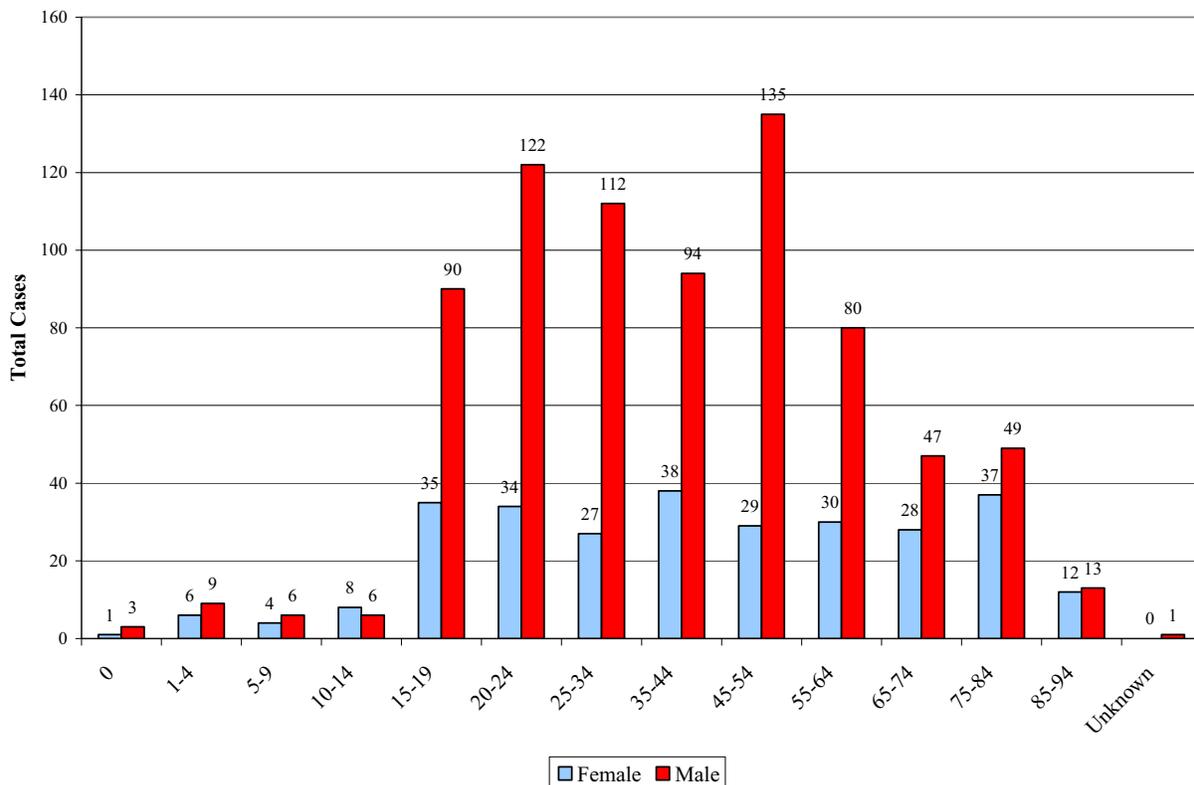


Figure 60. Motor Vehicle Deaths with Presence/Absence of Ethanol by Gender by Age, 2006

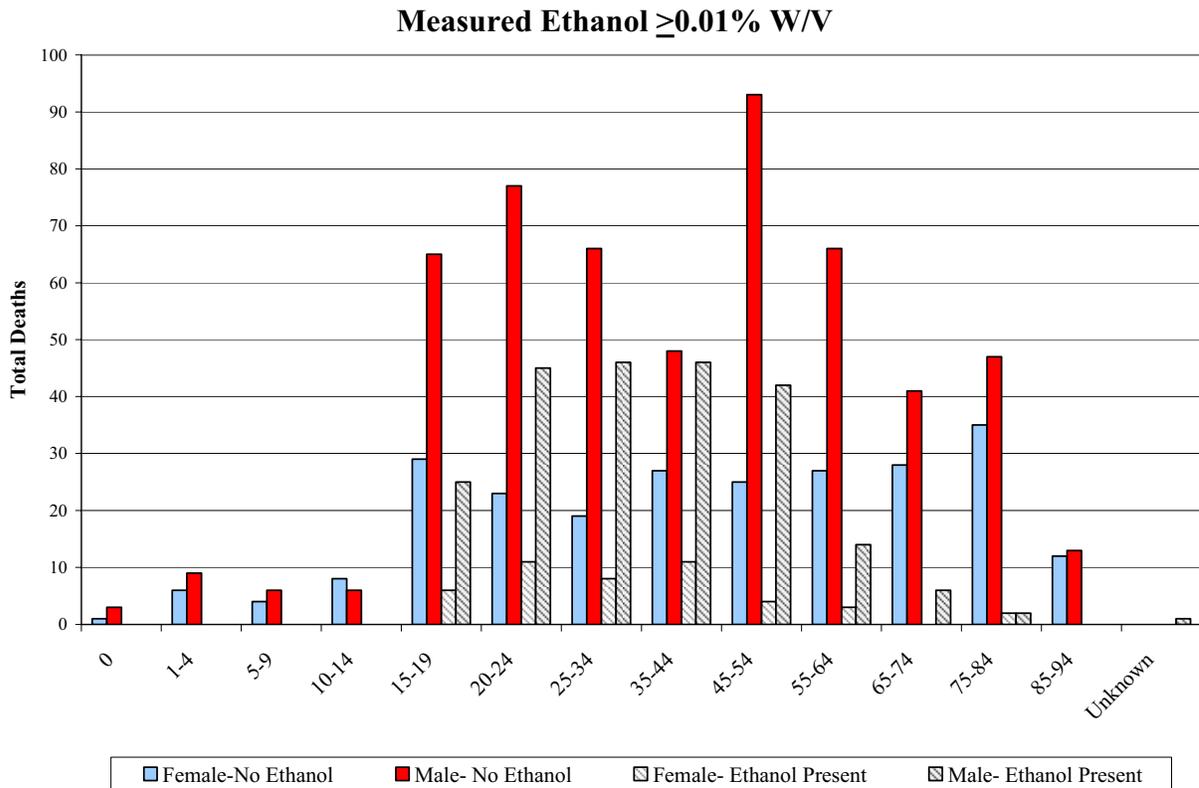
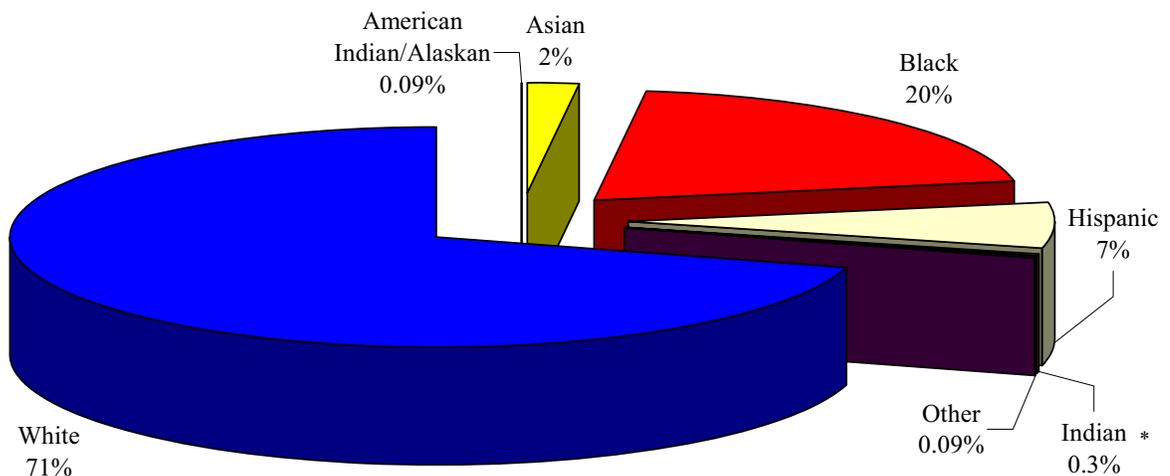


Figure 61. Proportion of Motor Vehicle Deaths by Race/Ethnicity, 2006



*Indian refers to subcontinental India

Figure 62. Motor Vehicle Deaths with Presence/Absence of Ethanol by Race/Ethnicity, 2006

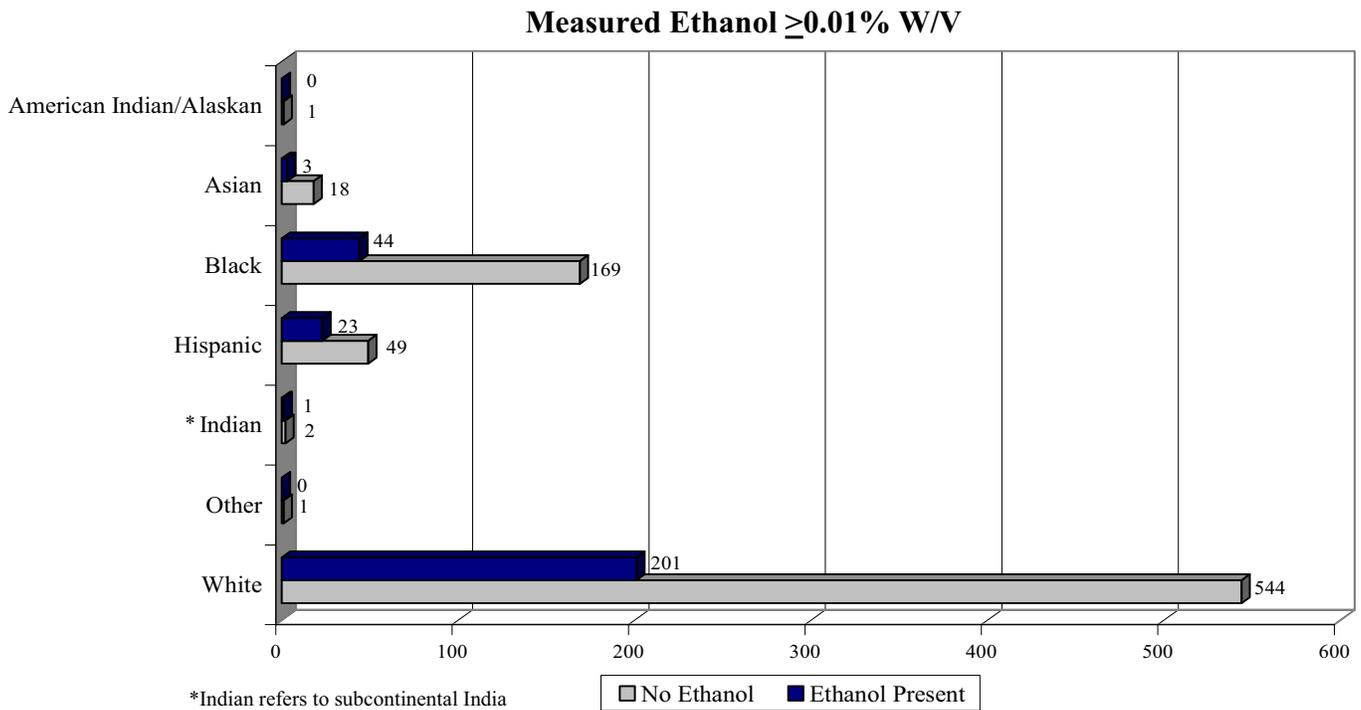


Figure 63. Motor Vehicle Related Deaths by Presence of Ethanol, 2006
Measured Ethanol $\geq 0.08\%$ W/V

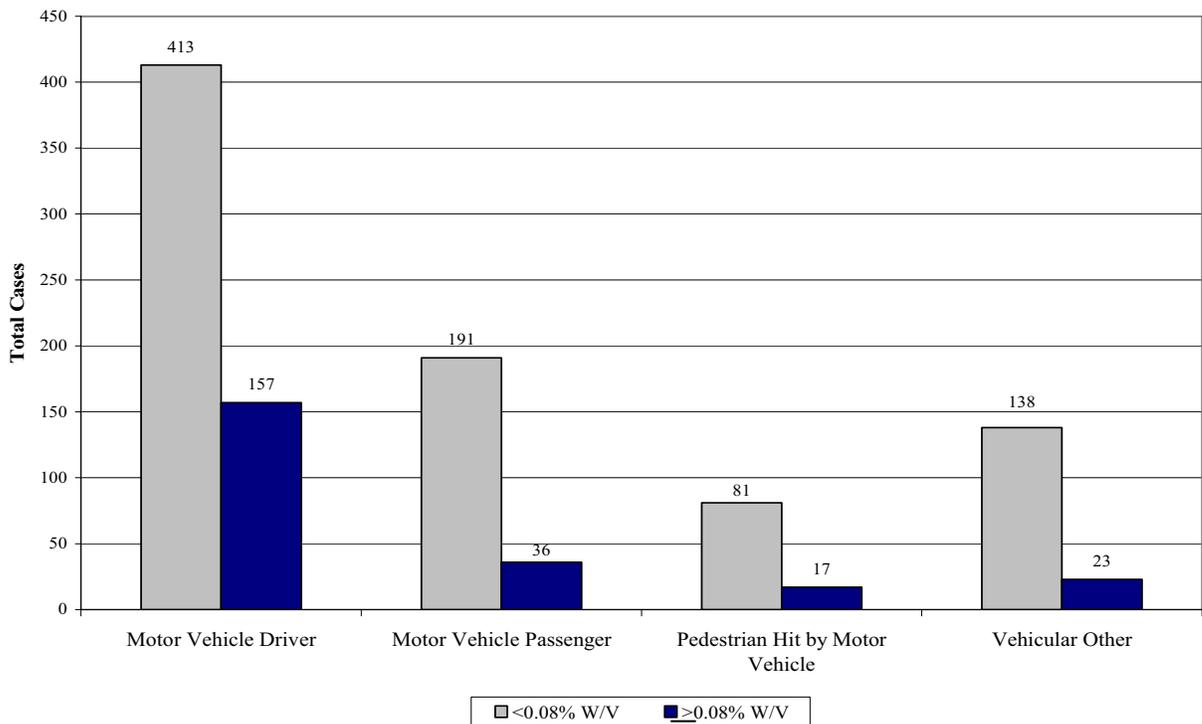


Figure 64. Motor Vehicle Related Deaths by Age Group, 2006

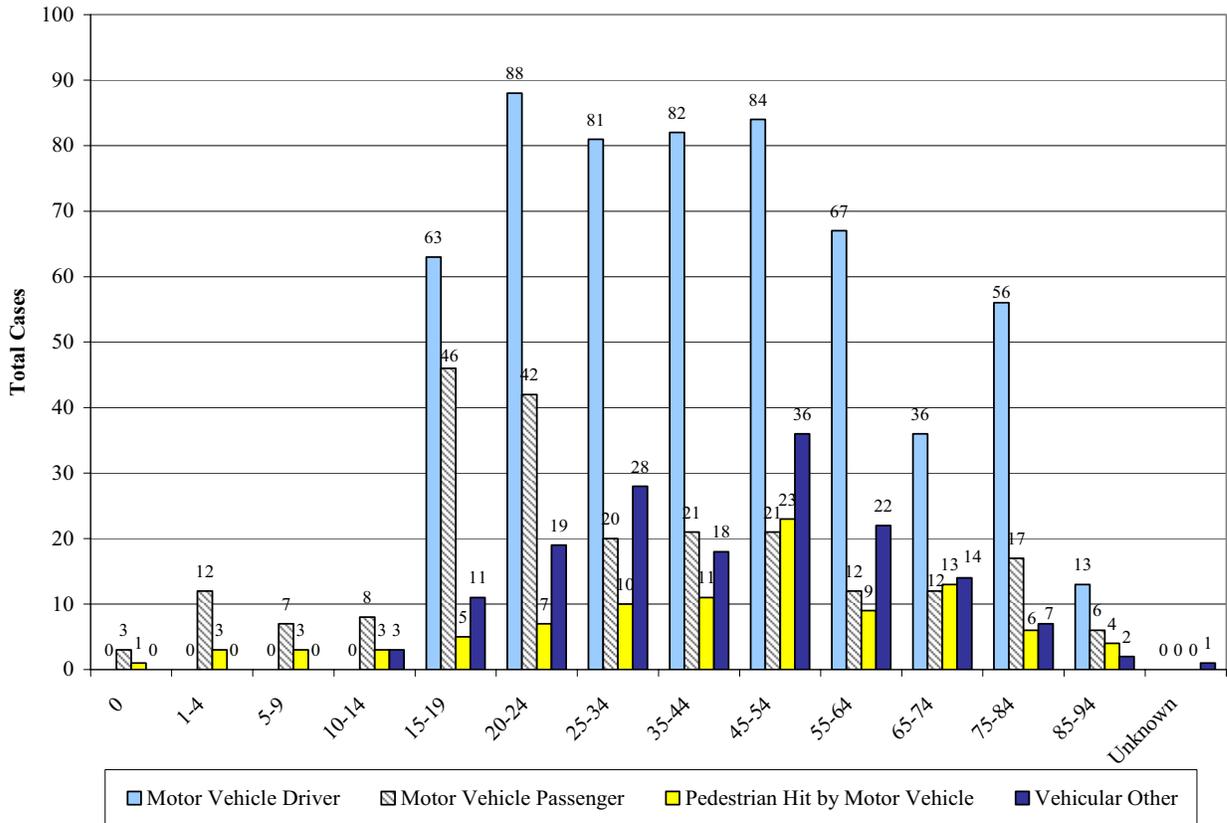


Table 30. Motor Vehicle Related Deaths by Presence of Ethanol, 2006

Circumstances	Total	Ethanol $\geq 0.08\%$ W/V	
		Yes	No
Motor Vehicle Driver	570	157	413
Motor Vehicle Passenger	227	36	191
Pedestrian Hit by Motor Vehicle	98	17	81
Vehicular Other	161	23	138
Total	1056	233	823

SECTION 7: DRUG CAUSED DEATHS

In 2006, the 669 drug caused deaths were most frequently assigned (77.1%) as accidents as the manner of death with prescription drug and illegal drug poisonings accounting for 79.5 percent of these accidental deaths.

- The overall rate of drug caused deaths for Virginia residents was 8.3 per 100,000 people.
- Drug caused deaths were greatest in males (61.9%), aged 35-44 years (30.8%), and whites (82.8%).
- Narcotics were the most frequently identified class of compounds present in decedents (32.2%) followed by stimulants (18.4%).
- Sixteen of the 669 or 2.4% of drug deaths were ethanol-only deaths
- Wise County had the highest rate of 50.1 per 100,000 people for drug related deaths in 2006 by county of residence, while Suffolk had the lowest rate of 2.5 per 100,000 people for those counties or independent cities with at least 1 drug-related death.
- Whites were 4.7 times more likely than blacks to die due to prescription drugs, while blacks were 2.2 times more likely than whites to die due to illegal drugs

Figure 65. Drug Caused Deaths by Gender and by Age, 2006

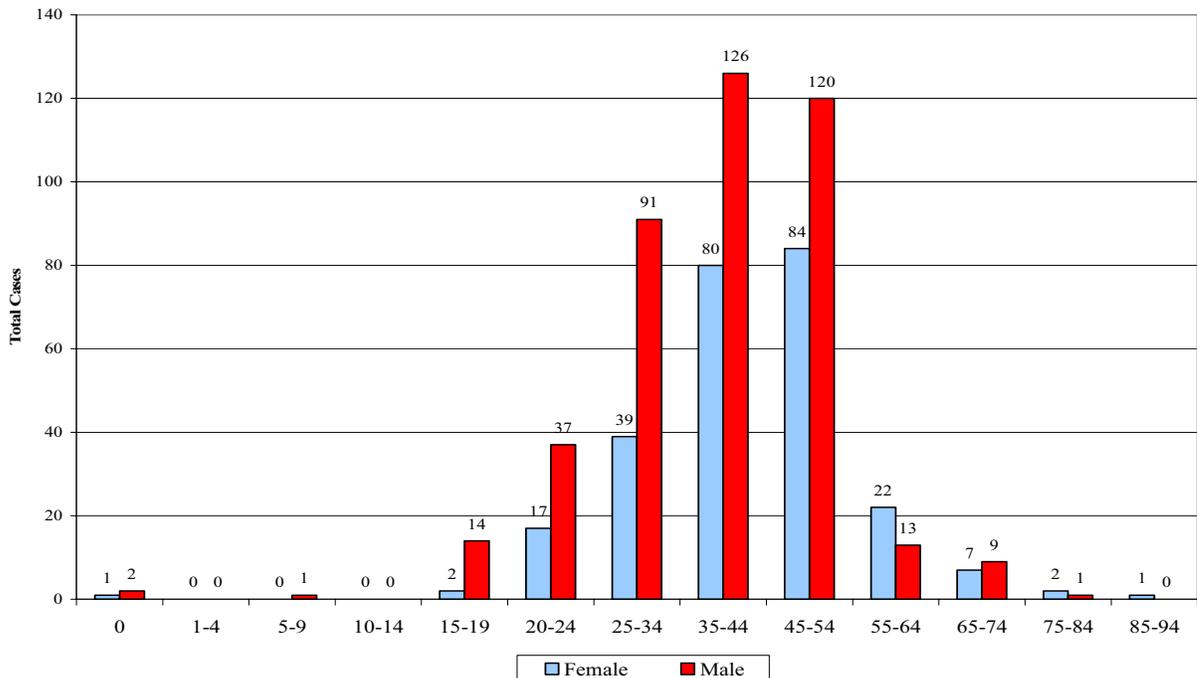


Figure 66. Proportion of Drug Caused Deaths by Race/Ethnicity, 2006

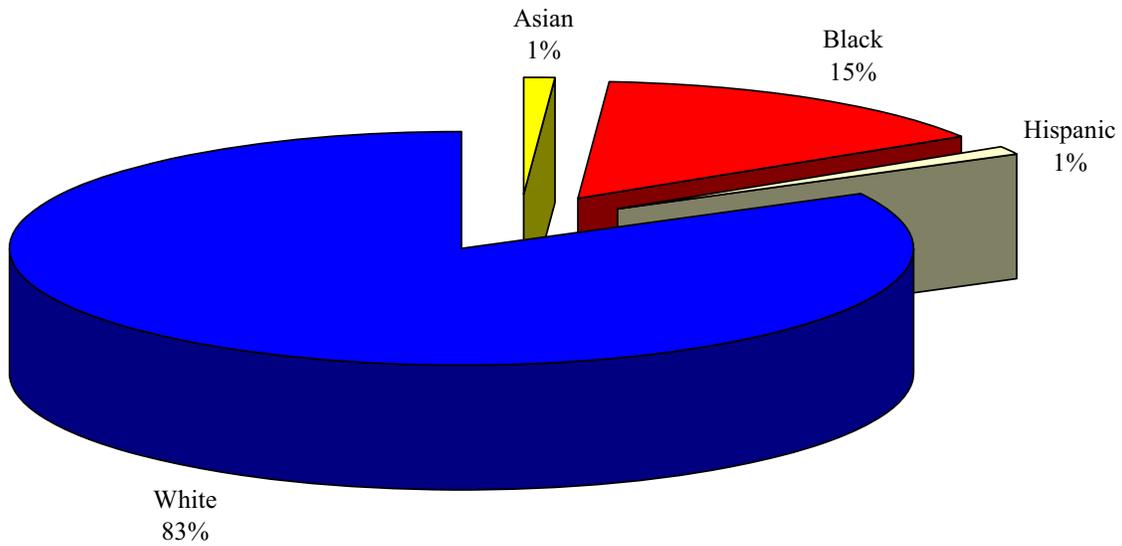


Figure 67. Proportion of Drug Caused Deaths by Manner of Death, 2006

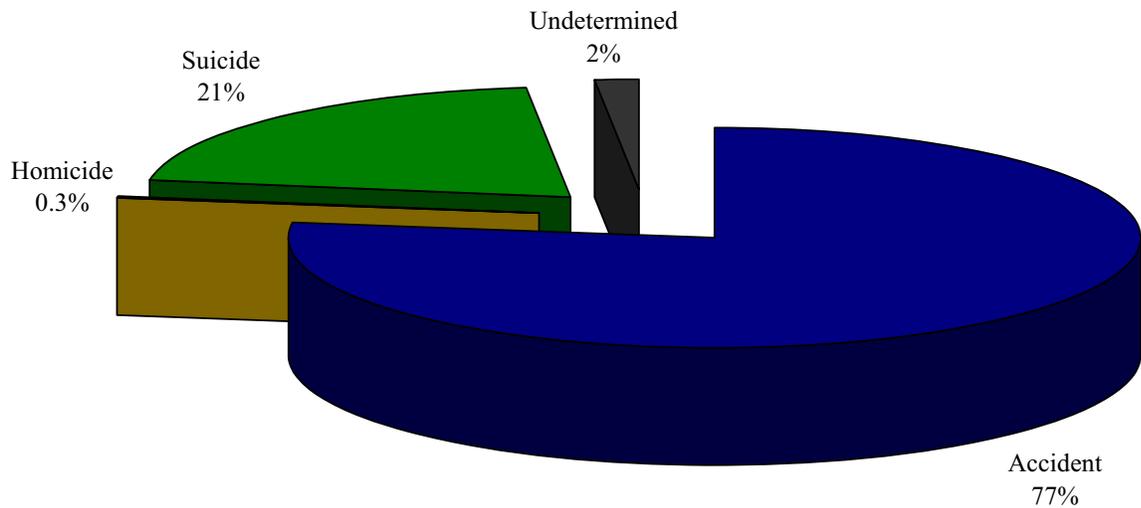


Table 31. Drug Caused Deaths by OCME District, 2006

OCME District	Cases	Percent
Central	157	23.5%
Northern	127	19.0%
Tidewater	137	20.4%
Western	248	37.1%
Total	669	100.0%

Figure 68. All Drug Caused Deaths Trend, 1999-2006

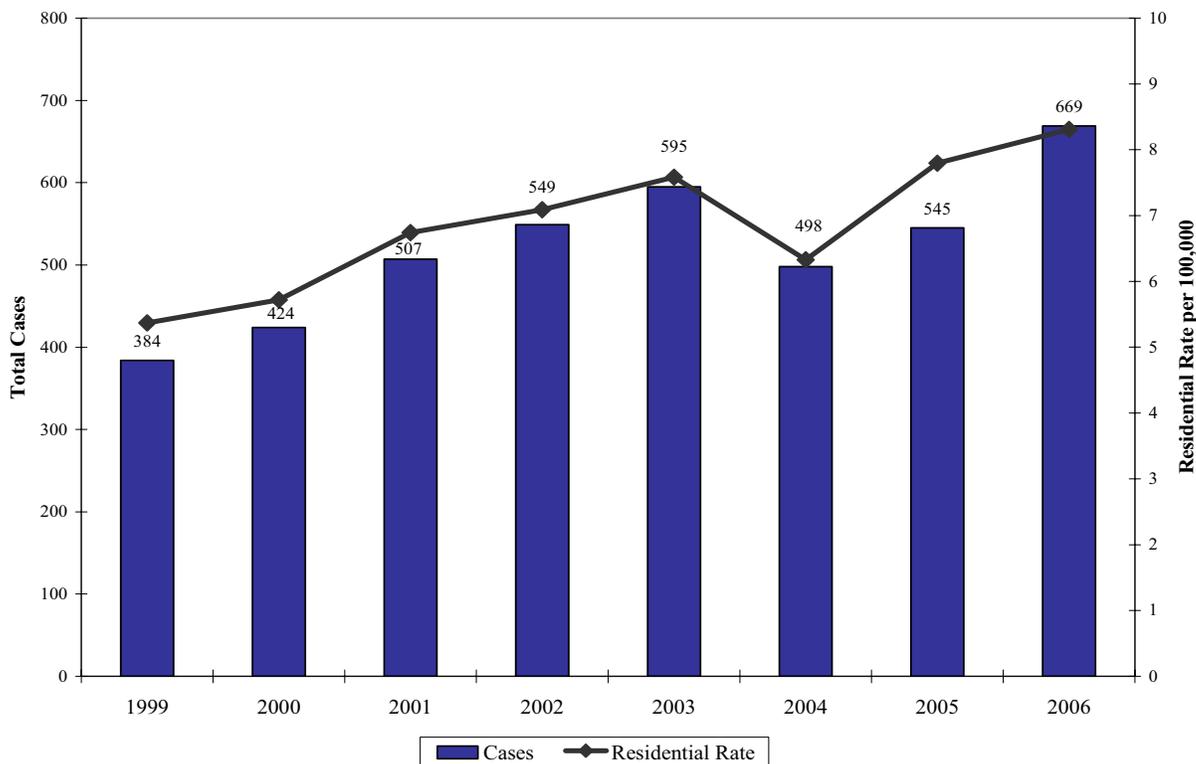
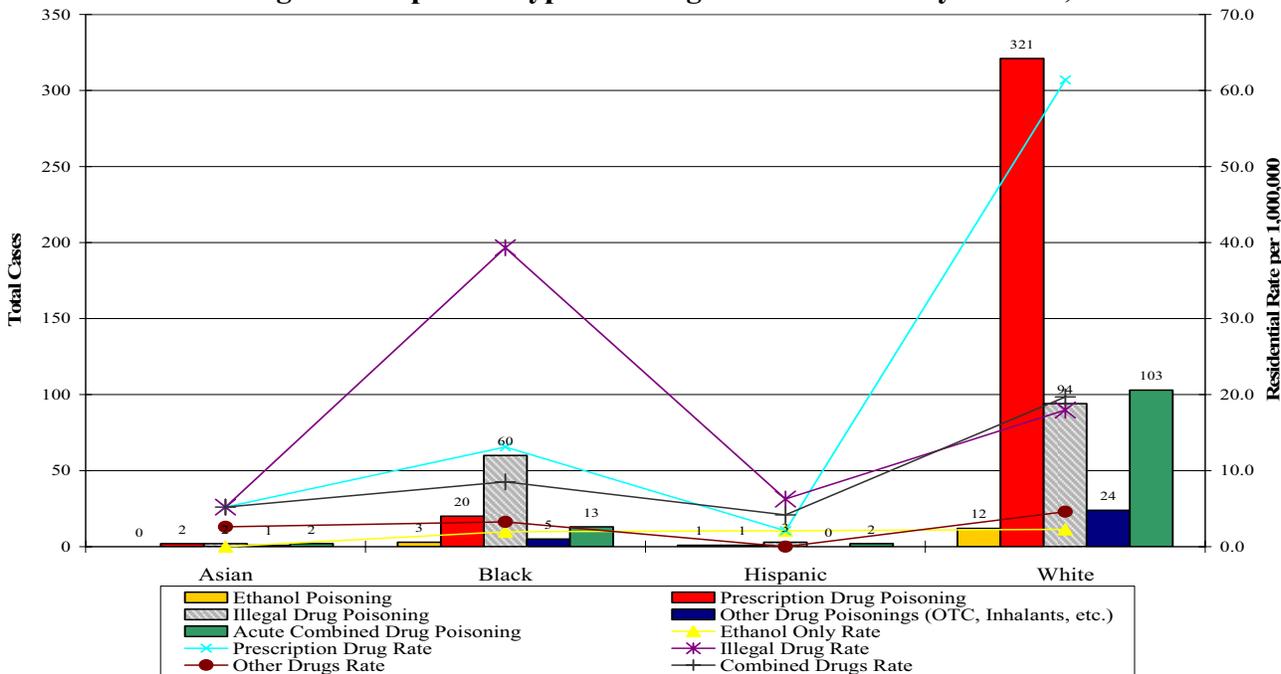


Figure 69. Specific Types of Drug Caused Deaths by Gender, 2006



Illegal drug poisonings are those deaths that are primarily caused by an illicit drug (ex. cocaine, heroin, etc.). (Note: Diagnosis of a heroin death requires morphine as well as detection a 6-acetylmorphine, a specific metabolic product of heroin which is present for a very short period of time. Thus, the true number of heroin deaths is always under estimated.) Prescription drugs are drugs that are prescribed by medical personnel, but the decedent may or may not have obtained the drugs legally. Other drug poisonings include drugs such as over-the-counter drugs, inhalants, and volatile organics. An acute combined drug poisonings is a combination of two or more of the different drug types.

Figure 70. Specific Types of Drug* Deaths by Race/Ethnicity, 2006

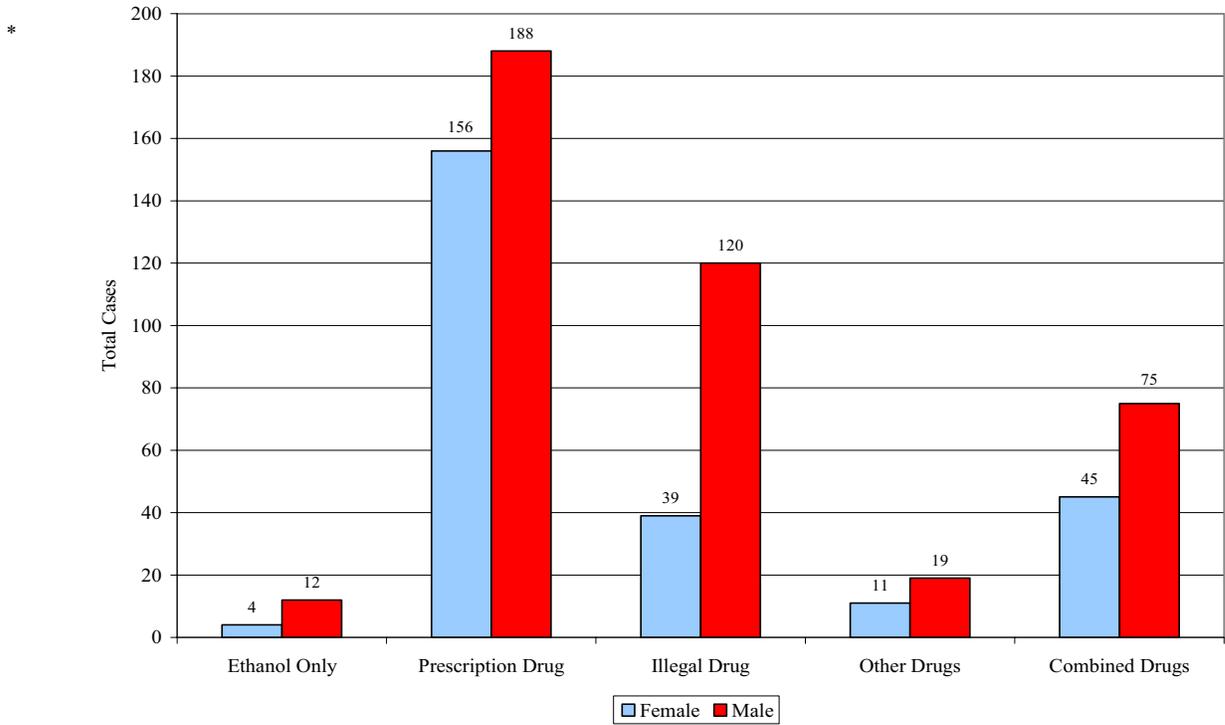
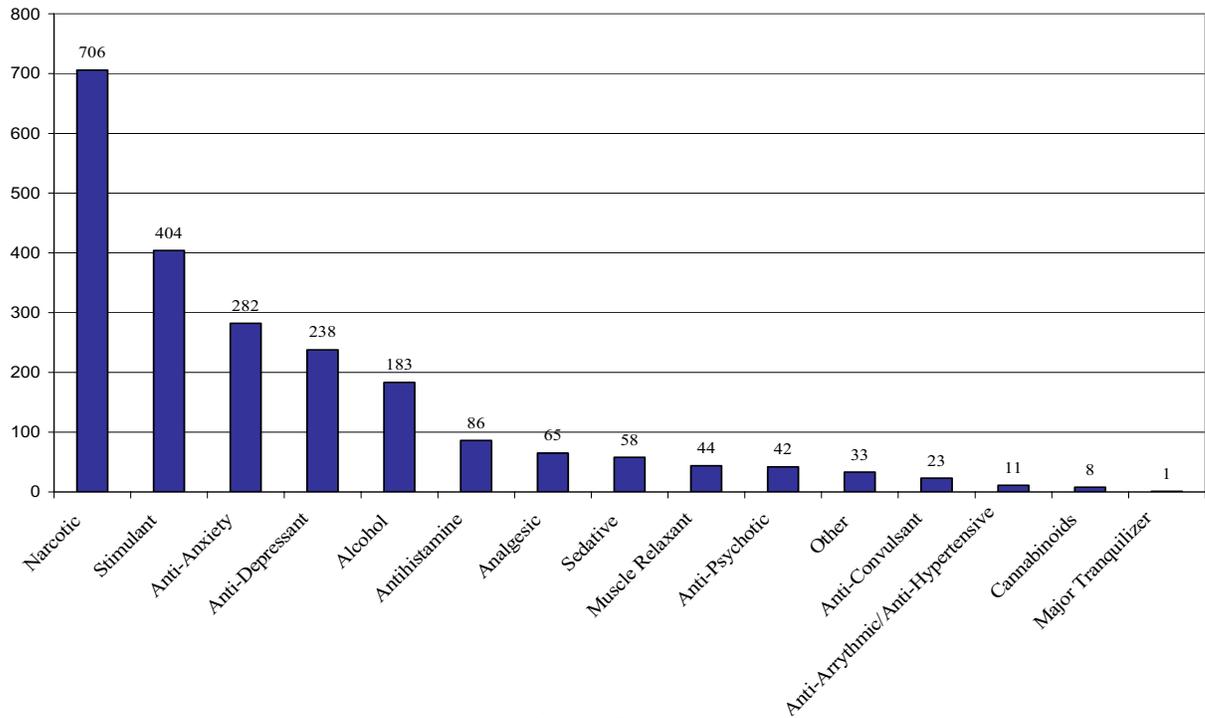


Figure 71. Drug Classes of All Drugs Present* in Drug Caused Deaths, 2006



*All drugs found in drug-caused deaths are reported regardless if they attributed to the death.

Table 32. Drug Caused Deaths by Manner of Death by Age Group, 2006

Age at Death	Manner of Death				Total
	Accident	Homicide	Suicide	Undetermined	
0	1	2	0	0	3
1-4	0	0	0	0	0
5-9	0	0	0	1	1
10-14	0	0	0	0	0
15-19	12	0	4	0	16
20-24	43	0	10	1	54
25-34	107	0	23	0	130
35-44	168	0	34	4	206
45-54	150	0	49	5	204
55-64	23	0	12	0	35
65-74	11	0	4	1	16
75-84	1	0	2	0	3
85-94	0	0	1	0	1
95+	0	0	0	0	0
Total	516	2	139	12	669

Table 33. Drug Caused Deaths by Locality of Residence, 2006

Locality of Residence	Deaths	Rate*	Locality of Residence	Deaths	Rate*
Accomack County	3	7.6	Buckingham County	0	0.0
Albemarle County	3	3.3	Buena Vista	0	0.0
Alexandria	9	6.6	Campbell County	6	11.4
Alleghany County	2	12.0	Caroline County	1	3.7
Amelia County	0	0.0	Carroll County	5	17.0
Amherst County	3	9.3	Charles City County	0	0.0
Appomattox County	0	0.0	Charlotte County	0	0.0
Arlington County	10	5.0	Charlottesville	8	19.8
Augusta County	2	2.8	Chesapeake	23	10.4
Bath County	1	20.8	Chesterfield County	18	6.1
Bedford City	2	32.0	Clarke County	0	0.0
Bedford County	6	9.0	Colonial Heights	6	33.9
Bland County	0	0.0	Covington	0	0.0
Botetourt County	2	6.2	Craig County	1	19.3
Bristol	4	22.9	Culpeper County	2	4.5
Brunswick County	1	5.6	Cumberland County	1	10.6
Buchanan County	8	32.8	Danville	10	21.9

Locality of Residence	Deaths	Rate*	Locality of Residence	Deaths	Rate*
Dickenson County	8	49.4	Madison County	0	0.0
Dinwiddie County	0	0.0	Manassas	2	5.5
Emporia	1	17.8	Manassas Park	0	0.0
Essex County	2	18.8	Martinsville	3	20.1
Fairfax City	1	4.5	Mathews County	0	0.0
Fairfax County	38	3.8	Mecklenburg County	2	6.2
Falls Church	0	0.0	Middlesex County	1	9.4
Fauquier County	6	9.1	Montgomery County	9	10.6
Floyd County	5	33.8	Nelson County	1	6.6
Fluvanna County	0	0.0	New Kent County	0	0.0
Franklin City	1	11.4	Newport News	19	10.7
Franklin County	7	13.8	Norfolk	22	9.6
Frederick County	4	5.6	Northampton County	0	0.0
Fredericksburg	5	23.5	Northumberland County	0	0.0
Galax	0	0.0	Norton	1	27.4
Giles County	2	11.5	Nottoway County	0	0.0
Gloucester County	4	10.4	Orange County	1	3.2
Goochland County	2	10.0	Page County	2	8.3
Grayson County	0	0.0	Patrick County	0	0.0
Greene County	0	0.0	Petersburg	3	9.2
Greensville County	0	0.0	Pittsylvania County	8	13.0
Halifax County	4	11.1	Poquoson	2	16.8
Hampton	11	7.6	Portsmouth	10	9.9
Hanover County	5	5.1	Powhatan County	0	0.0
Harrisonburg	5	12.2	Prince Edward County	1	4.9
Henrico County	13	4.6	Prince George County	1	2.8
Henry County	15	26.7	Prince William County	23	6.4
Highland County	1	39.8	Pulaski County	11	31.4
Hopewell	1	4.4	Radford	3	20.7
Isle of Wight County	3	8.6	Rappahannock County	0	0.0
James City County	6	10.0	Richmond City	32	16.6
King and Queen County	1	14.5	Richmond County	0	0.0
King George County	2	9.2	Roanoke City	15	16.4
King William County	1	6.5	Roanoke County	6	6.6
Lancaster County	1	8.7	Rockbridge County	2	9.4
Lee County	5	21.0	Rockingham County	3	4.1
Lexington	0	0.0	Russell County	12	41.7
Loudoun County	10	3.7	Salem	2	8.1
Louisa County	3	9.6	Scott County	0	0.0
Lunenburg County	1	7.6	Shenandoah County	3	7.5
Lynchburg	4	5.9	Smyth County	5	15.4

Locality of Residence	Deaths	Rate*	Locality of Residence	Deaths	Rate*
Southampton County	1	5.6	Williamsburg	3	25.4
Spotsylvania County	5	4.2	Winchester	4	15.8
Stafford County	6	5.0	Wise County	21	50.1
Staunton	3	12.9	Wythe County	0	0.0
Suffolk	2	2.5	York County	3	4.8
Surry County	0	0.0	Subtotal for State	635	8.3
Sussex County	0	0.0	Out of Country	1	ND**
Tazewell County	20	44.8	Out of State	31	ND
Virginia Beach	33	7.6	Unknown	2	ND
Warren County	2	5.5	Total	669	ND
Washington County	7	13.5			
Waynesboro	4	18.6			
Westmoreland County	1	5.8			

*Rate per 100,000
**ND-No Denominator

Table 34. Drugs/Metabolites Present in Decedents, 2006

Class	Drug/Metabolite	Total
Alcohol		
	ETHANOL	182
	ISOPROPANOL	1
	Alcohol Total	183
Analgesic		
	ACETAMINOPHEN	20
	DEXTROMETHORPHAN	13
	IBUPROFEN	3
	ORPHENADRINE	2
	SALICYLATE	3
	TRAMADOL	24
	Analgesic Total	65
Anti-Anxiety		
	ALPRAZOLAM	81
	BUSIPRONE	1
	CHLORDIAZEPOXIDE	1
	DESALKYFLURAZEPAM (Flurazepam Metabolite)	3
	DIAZEPAM	83
	HYDROXYZINE	2
	LORAZEPAM	1

Class	Drug/Metabolite	Total
	MEPROBAMATE	21
	NORDIAZEPAM (Diazepam Metabolite)	89
	Anti-Anxiety Total	282
<hr/>		
Anti-Arrhythmic/Anti-Hypertensive		
	DILTIAZEM	4
	METOPROLOL	2
	VERAPAMIL	3
	Anti-Arrhythmic/Anti-Hypertensive Total	9
<hr/>		
Anti-Convulsant		
	CARBAMAZEPINE	2
	CLONAZEPAM	6
	GABAPENTIN	3
	LAMOTRIGINE	3
	OXCARBAZEPINE	1
	PHENOBARBITAL	1
	PHENYTOIN	2
	VALPROATE	5
	Anti-Convulsant Total	23
<hr/>		
Anti-Depressant		
	AMITRIPTYLINE	18
	BUPROPION (WELLBUTRIN)	17
	CITALOPRAM	43
	DESIPRAMINE	1
	DESMETHYLSERTRALINE (Sertraline Metabolite)	1
	DOXEPIN	9
	FLUOXETINE	30
	FLUVOXAMINE	1
	IMIPRAMINE	1
	MIRTAZAPINE	15
	NORDOXEPIN (Doxepine Metabolite)	5
	NORFLUOXETINE (Fluoxetine Metabolite)	3
	NORTRIPTYLENE	20
	PAROXETINE	10
	SERTRALINE	17
	TRAZODONE	23
	VENLAFAXINE	24
	Anti-Depressant Total	238
<hr/>		
Antihistamine		
	BENZTROPINE	1
	BROMPHENIRAMINE	1
	CHLORPHENIRAMINE	17

Class	Drug/Metabolite	Total
	DIPHENHYDRAMINE	61
	DOXYLAMINE	5
	TRIPROLIDINE	1
	Antihistamine Total	86
Anti-Psychotic		
	CHLORPROMAZINE	2
	CLOZAPINE	2
	OLANZAPINE	6
	QUETIAPINE	31
	RESPIRDAL	1
	Anti-Psychotic Total	42
Anti-Arrhythmic		
	ATENOLOL	1
	CARDIZEM	1
	Anti-Arrhythmic Total	2
Cannabinoids		
	TETRAHYDROCANNABINOL	8
	Cannabinoids Total	8
Major Tranquilizer		
	KETAMINE	1
	Major Tranquilizer Total	1
Muscle Relaxant		
	CARISOPRODOL	18
	CYCLOBENZAPRINE	23
	METAXALONE	3
	Muscle Relaxant Total	44
Narcotic		
	ACETYLMORPHINE (Heroin Metabolite)	32
	CODEINE	48
	FENTANYL	52
	HYDROCODONE	89
	HYDROMORPHONE	17
	MEPERIDINE	1
	METHADONE	160
	MONOACETYLMORPHINE (Heroin Metabolite)	6
	MORPHINE	120
	NORPROPOXYPHENE (Propoxyphene Metabolite)	30
	OXYCODONE	101
	OXYMORPHONE	26
	PROPOXYPHENE	34
	Narcotic Total	716

Class	Drug/Metabolite	Total
Other		
	ACETONE	2
	AMANTADINE	1
	ATROPINE	1
	CHLORODIFLUORIDE	1
	DIAZINON	1
	DIFLUOROETHANE	1
	ETHYLENE GLYCOL	6
	FLUCONAZOLE	1
	ISOBUTANE	1
	LIDOCAINE	6
	METFORMIN	1
	METOCLOPRAMIDE	3
	NORVASC	1
	PHENCYCLIDINE	1
	PROPANE	1
	PROPYLENE GLYCOL	1
	QUININE	1
	STACKER II	1
	TRIMETHOBENZAMIDE	1
	VOLATILE COMPOUND	2
	Other Total	34
Sedative		
	BUTABARBITAL	1
	BUTALBITAL	11
	ETOMIDATE	1
	FLURAZEPAM	2
	GAMMA-HYDROXYBUTYRATE	1
	PENTOBARBITAL	1
	PROMETHAZINE	22
	TEMAZEPAM	6
	ZOLPIDEM	11
	ZOPICLONE	2
	Sedative Total	58
Stimulant		
	AMPHETAMINE	5
	BENZOYL ECGONINE (Cocaine Metabolite)	193
	CAFFEINE	1
	COCAETHYLENE (Cocaine Metabolite)	43
	COCAINE	153
	METHAMPHETAMINE	5

Class	Drug/Metabolite	Total
	METHYLPHENIDATE	1
	PROPYLHEXIDRINE	1
	PSEUDOPHEDRINE	1
	Stimulant Total	403
TOTAL		2194

Table 35. Drugs/Metabolites Causing Death in Drug Caused Deaths, 2006

Class	Drug/Metabolite	Total
Alcohol		
	ETHANOL	107
	Alcohol Total	107
Analgesic		
	ACETAMINOPHEN	12
	DEXTROMETHORPHAN	4
	IBUPROFEN	1
	SALICYLATE	3
	TRAMADOL	17
	Analgesic Total	37
Anti-Anxiety		
	ALPRAZOLAM	60
	BUSIPRONE	1
	DIAZEPAM	41
	HYDROXYZINE	1
	MEPROBAMATE	4
	NORDIAZEPAM (Diazepam Metabolite)	12
	Anti-Anxiety Total	119
Anti-Arrhythmic/Anti-Hypertensive		
	DILTIAZEM	1
	METOPROLOL	1
	VERAPAMIL	2
	Anti-Arrhythmic/Anti-Hypertensive Total	4
Anti-Convulsant		
	CLONAZEPAM	6
	GABAPENTIN	1
	LAMOTRIGINE	1
	PHENOBARBITAL	1
	VALPROATE	4
	Anti-Convulsant Total	13
Anti-Depressant		

Class	Drug/Metabolite	Total
	AMITRIPTYLINE	15
	BUPROPION (WELLBUTRIN)	15
	CITALOPRAM	30
	DOXEPIN	9
	FLUOXETINE	17
	MIRTAZAPINE	9
	NORDOXEPIN (Doxepine Metabolite)	2
	NORFLUOXETINE (Fluoxetine Metabolite)	3
	NORTRIPTYLENE	9
	PAROXETINE	9
	SERTRALINE	12
	TRAZODONE	17
	VENLAFAXINE	16
	Anti-Depressant Total	163
Antihistamine		
	BENZTROPINE	1
	CHLORPHENIRAMINE	10
	DIPHENHYDRAMINE	38
	DOXYLAMINE	2
	TRIPROLIDINE	1
	Antihistamine Total	52
Anti-Psychotic		
	CHLORPROMAZINE	2
	CLOZAPINE	2
	OLANZAPINE	4
	QUETIAPINE	23
	RESPIRDAL	1
	Anti-Psychotic Total	32
Anti-Arrhythmic		
	ATENOLOL	1
	CARDIZEM	1
	Anti-Arrhythmic Total	2
Muscle Relaxant		
	CARISOPRODOL	10
	CYCLOBENZAPRINE	13
	METAXALONE	3
	Muscle Relaxant Total	26
Narcotic		
	ACETYLMORPHINE (Heroin Metabolite)	19
	CODEINE	23
	FENTANYL	51

Class	Drug/Metabolite	Total
	HYDROCODONE	71
	HYDROMORPHONE	9
	MEPERIDINE	1
	METHADONE	158
	MONOACETYLMORPHINE (Heroin Metabolite)	5
	MORPHINE	111
	NORPROPOXYPHENE (Propoxyphene Metabolite)	2
	OXYCODONE	95
	OXYMORPHONE	8
	PROPOXYPHENE	25
	Narcotic Total	578
Other		
	AMANTADINE	1
	CHLORODIFLUORIDE	1
	DIAZINON	1
	DIFLUOROETHANE	1
	ETHYLENE GLYCOL	6
	ISOBUTANE	1
	METFORMIN	1
	METOCLOPRAMIDE	2
	NORVASC	1
	PHENCYCLIDINE	1
	PROPANE	1
	VOLATILE COMPOUND	2
	Other Total	19
Sedative		
	BUTABARBITAL	1
	BUTALBITAL	7
	FLURAZEPAM	2
	GAMMA-HYDROXYBUTYRATE	1
	PENTOBARBITAL	1
	PROMETHAZINE	13
	TEMAZEPAM	5
	ZOLPIDEM	11
	ZOPICLONE	1
	Sedative Total	42
Stimulant		
	AMPHETAMINE	1
	BENZOYL ECGONINE (Cocaine Metabolite)	64
	CAFFEINE	1
	COCAETHYLENE (Cocaine Metabolite)	18

Class	Drug/Metabolite	Total
	COCAINE	140
	METHAMPHETAMINE	5
	METHYLPHENIDATE	1
	Stimulant Total	230
TOTAL		1424

Table 36. Specific Drug Combinations Causing Deaths, 2006

Drug Combination	Total
Oxycodone	64
Methadone	134
Fentanyl	39
Hydrocodone	44
Oxycodone & Methadone	12
Oxycodone & Fentanyl	4
Oxycodone & Hydrocodone	11
Methadone & Fentanyl	1
Methadone & Hydrocodone	8
Fentanyl & Hydrocodone	5
Oxycodone, Methadone & Fentanyl	1
Oxycodone, Methadone & Hydrocodone	2
Oxycodone, Fentanyl & Hydrocodone	1
Total	323

Table 37. Drug Caused Deaths by Manner and Substance of Death, 2006

Manner of Death	Total
Accident	
Ethanol Poisoning	15
Prescription Drug Poisoning	254
Illegal Drug Poisoning	156
Other Drug Poisonings (OTC, Inhalants, etc.)	9
Acute Combined Drug Poisoning	82
Subtotal	516
Homicide	
Ethanol Poisoning	1
Other Drug Poisonings (OTC, Inhalants, etc.)	1
Subtotal	2
Suicide	
Prescription Drug Poisoning	83
Illegal Drug Poisoning	2
Other Drug Poisonings (OTC, Inhalants, etc.)	16
Acute Combined Drug Poisoning	38
Subtotal	139
Undetermined	
Prescription Drug Poisoning	7
Illegal Drug Poisoning	1
Other Drug Poisonings (OTC, Inhalants, etc.)	4
Subtotal	12
Total	669

SECTION 8: PRISONER POPULATION

Pursuant to § 32.1-283 of the Code of Virginia, the OCME investigates deaths of persons in jail, prison, or another correctional institution, or in police custody. The OCME took jurisdiction of 129 prisoners in 2006:

- Approximately 78 percent of the deaths were natural.
- Ninety-two percent were male and 53.5 percent were white

Figure 72. Proportion of Prisoner Deaths by Manner, 2006

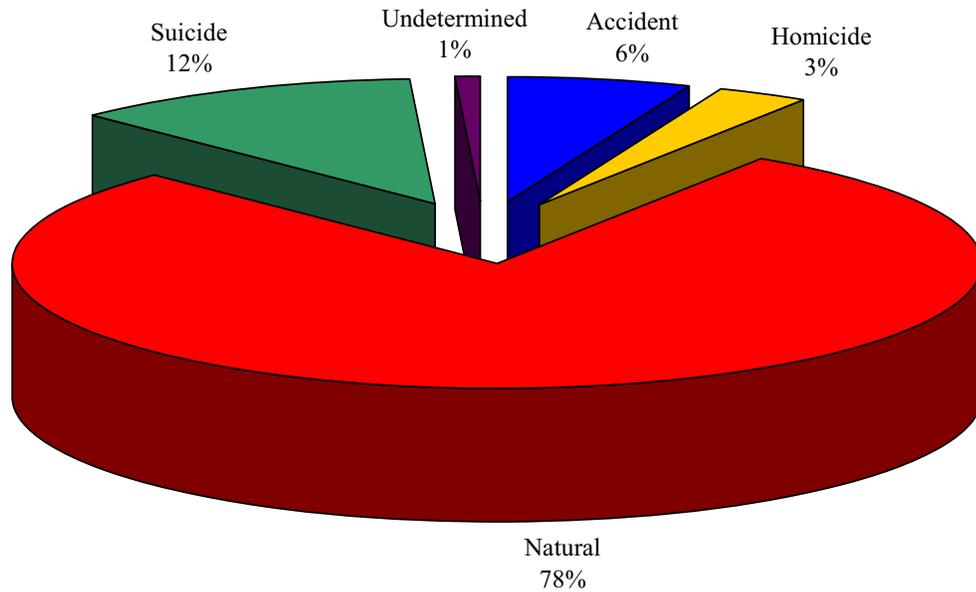


Figure 73. Proportion of Prisoner Deaths by Race/Ethnicity, 2006

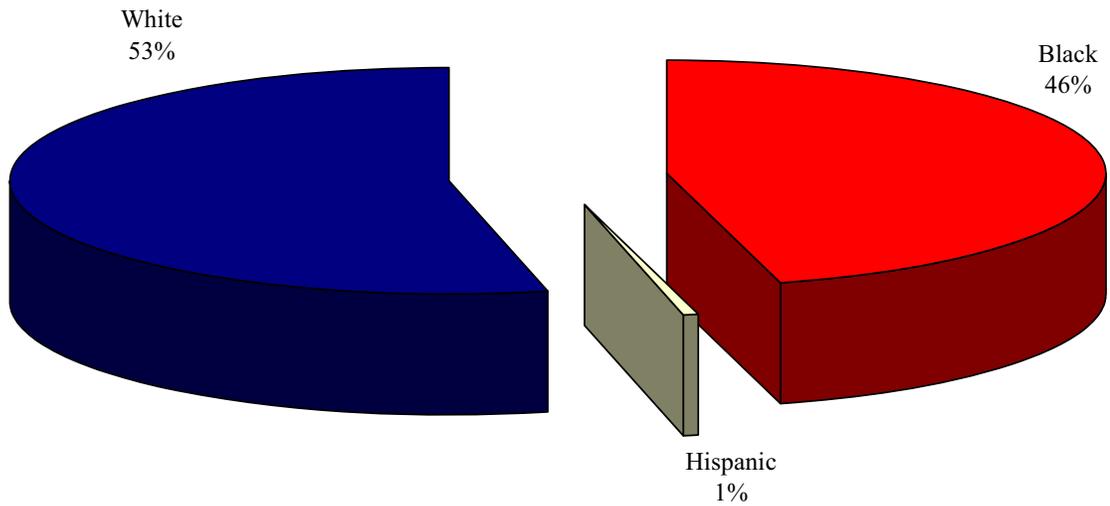


Figure 74. Total Prisoner Cases by Manner of Death by Race/Ethnicity, 2006

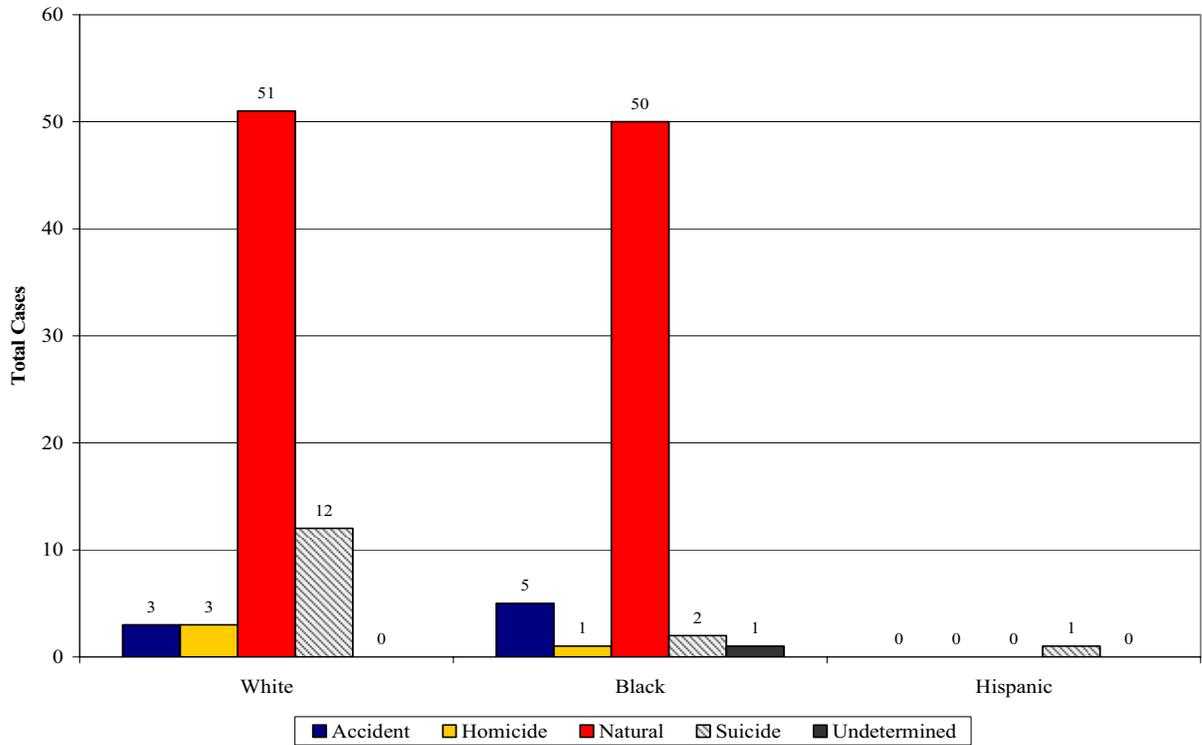


Figure 75. Total Prisoner Cases by Age Group, 2006

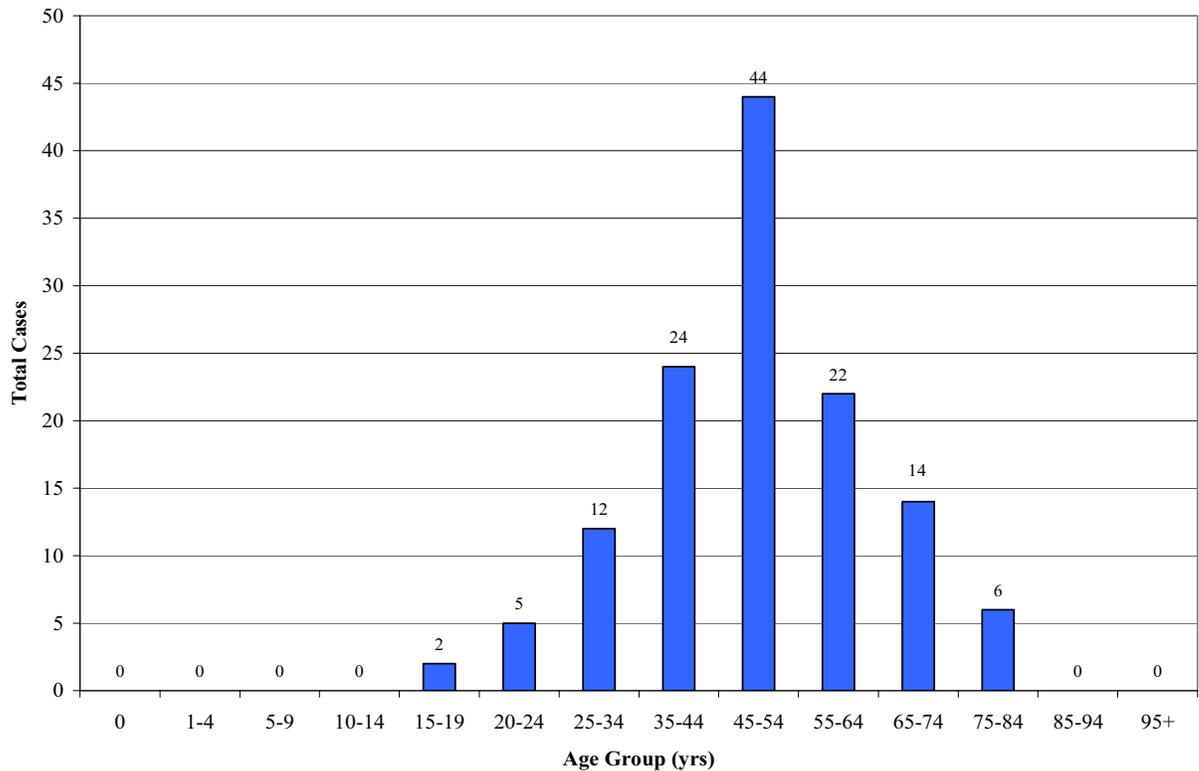


Table 38. Total Prisoner Cases by Cause of Death, 2006

Natural Deaths	Total Cases
Blood Disorders	3
Carcinomas	8
Cardiac Diseases	30
Atherosclerosis	(24)
Hypertension	(4)
Cardiac- Other	(2)
Central Nervous System Diseases/Disorders	2
Seizure Disorders	(1)
Vascular Diseases	(1)
Diabetes	2
Excited Delirium (Not Cocaine Related)	1
Gastrointestinal Diseases	8
Gastrointestinal Hemorrhage	(5)
Malignancy	(3)
Infectious Diseases	13
AIDS/HIV	(2)
Bacterial Pneumonia	(4)
Meningitis (Bacterial & Viral)	(1)
Sepsis	(5)
ID- Other	(1)
Liver Diseases	13
Chronic Ethanolism	(1)
Hepatitis	(5)
Malignancy	(7)
Pulmonary Diseases	20
Asthma	(1)
COPD	(3)
Malignancy	(11)
Emboli	(4)
Pulmonary-Other	(1)
Natural- Other	1
<i>Natural Subtotal</i>	101
Unnatural Deaths	
Asphyxia	12
Hanging	(11)
Strangulation	(1)
Judicial Intervention	4
Substance Abuse	5
Prescription Drug Poisoning	(1)
Illegal Drug Poisoning	(4)
Blunt Force Injuries	3
Head/Cervical Spine Injuries	(3)
Sharp Force Injuries (Cut, Stab, Incised)	3
<i>Unnatural Subtotal</i>	27
Undetermined Deaths	
Undetermined After Autopsy and/or Investigation	1
<i>Undetermined Subtotal</i>	1
Total	129

GLOSSARY

Accident – The *manner of death* used when, in other than *natural deaths*, there is no evidence of intent; an undesigned, sudden, and unexpected death

Assistant Chief Medical Examiner – A forensic pathologist who has the duty of performing autopsies and investigating deaths that fall under the *jurisdiction* of the *Office of the Chief Medical Examiner*, and determine *cause* and *manner of death*.

Autopsy – A detailed postmortem external and internal examination of a body to determine cause of death, collect evidence, determine the presence or absence of injury.

Cause of Death – The disease, injury, or poison that results in a physiological derangement or biochemical disturbance that is incompatible with life. The result of post-mortem examination, including autopsy and toxicological findings, combined with information about the medical history of the decedent serves to establish the *cause of death*.

Chief Medical Examiner – The head of the *Office of the Chief Medical Examiner*. The Chief Medical Examiner must be a forensic pathologist licensed to practice medicine in Virginia and may appoint *Assistant Medical Examiners* who are forensic pathologists, and *Local Medical Examiners*.

Children – Individuals 17 years of age or younger.

County/City of Death – The county/city where the death occurred. The county/city where the decedent legally resided, the county/city where the decedent was fatally injured, and the county/city where the decedent died may be the same or different.

County/City of Residence – The county/city where a person legally resides. If not a resident of Virginia, the decedent is listed as “out of state”.

Drug Caused Death – A death caused by a drug or combination of drugs. Deaths caused by poisons and volatile substances are excluded.

Ethanol – An alcohol, which is the principal intoxicant in beer, liquor, and wine. A person with an alcohol concentration in blood of 0.08 percent by weight by volume (0.08%) is legally intoxicated in Virginia.

Ethanol Present – Deaths in which toxicological tests reveal a reportable level of *ethanol* (0.01% W/V or greater) at the time of death.

Homicide – The *manner of death* in which death results from the intentional harm of one person by another.

Jurisdiction – The extent of the Office of the Chief Medical Examiner’s authority over deaths. The OCME authority covers every death which is due or which might reasonably have been due to a violent or traumatic injury or accident, or is of public health interest which will be investigated by the Medical Examiner.

Local Medical Examiner – A physician appointed by the *Chief Medical Examiner* for a city or county to assist in the investigation of deaths and determine *jurisdiction* of the Office of the Chief Medical Examiner. There is a local medical examiner in most counties in Virginia.

Manner of Death – The general category of the circumstances of the event which causes the death. The categories are *accident*, *homicide*, *natural*, *suicide*, and *undetermined*.

Method of Death – The means, fatal agency or item causing death present at the time of injury or death.

Motor Vehicle Related Death – A death involving a motor vehicle. Motor vehicles include automobiles, vans, motorcycles, trucks, aircraft, and trains. The decedent is usually a driver of, a passenger in, or a pedestrian who is struck by a motor vehicle. The death of a bicyclist that is struck by a motor vehicle is considered to be a motor vehicle related death.

Natural – The *manner of death* used when solely a disease causes death. If death is hastened by an injury, the *manner of death* is not considered natural.

Office of the Chief Medical Examiner – The office in the Virginia Department of Health that is responsible for the investigation of sudden, violent, or unexpected death.

Opiate – A class of drugs, including morphine, codeine, and heroin, derived from the opium poppy plant (*Papaver somniferum*).

Stimulant – A class of drugs, including cocaine and oral and indictable amphetamines, whose principal action is the stimulation of the central nervous system.

Suicide – The *manner of death* in which death results from the purposeful attempt to end one's life.

Undetermined – The *manner of death* for deaths in which there is insufficient information to assign another manner. An undetermined death may have an undetermined cause of death & an unknown manner, an undetermined cause of death and a known manner, or a determined cause of death and an unknown manner.

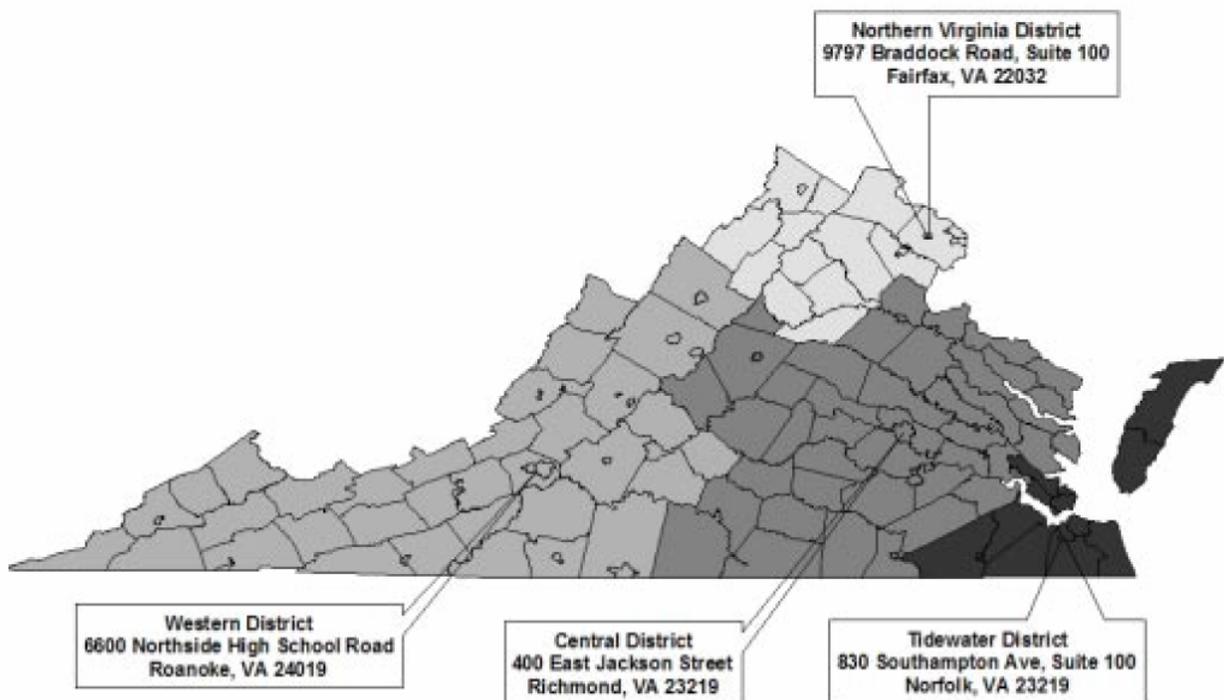
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CENTRAL *Counties* of Albemarle, Amelia, Brunswick, Buckingham, Caroline, Charles City, Charlotte, Chesterfield, Cumberland, Dinwiddie, Essex, Fluvanna, Gloucester, Goochland, Greene, Greensville, Halifax, Hanover, Henrico, James City, King and Queen, King George, King William, Lancaster, Louisa, Lunenburg, Mathews, Mecklenburg, Middlesex, Nelson, New Kent, Northumberland, Nottoway, Powhatan, Prince Edward, Prince George, Spotsylvania, Stafford, Surry, Sussex, Richmond, and Westmoreland. *Cities* of Charlottesville, Colonial Heights, Emporia, Fredericksburg, Hopewell, Petersburg, Richmond, South Boston, and Williamsburg.

NORTHERN *Counties* of Arlington, Clarke, Culpeper, Fairfax, Fauquier, Frederick, Loudoun, Madison, Orange, Page, Prince William, Rappahannock, Shenandoah, and Warren. *Cities* of Alexandria, Arlington, Fairfax, Falls Church, Manassas, Manassas Park, and Winchester.

TIDEWATER *Counties* of Accomack, Isle of Wight, Northampton, Southampton, and York. *Cities* of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, and Virginia Beach.

WESTERN *Counties* of Alleghany, Amherst, Appomattox, Augusta, Bath, Bedford, Bland, Botetourt, Buchanan, Campbell, Carroll, Craig, Dickenson, Floyd, Franklin, Giles, Grayson, Henry, Highland, Lee, Montgomery, Patrick, Pittsylvania, Pulaski, Roanoke, Rockbridge, Rockingham, Russell, Scott, Smyth, Tazewell, Washington, Wise, and Wythe. *Cities* of Bedford, Bristol, Buena Vista, Covington, Danville, Galax, Harrisonburg, Lexington, Lynchburg, Martinsville, Norton, Radford, Roanoke, Salem, Staunton, and Waynesboro.



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