

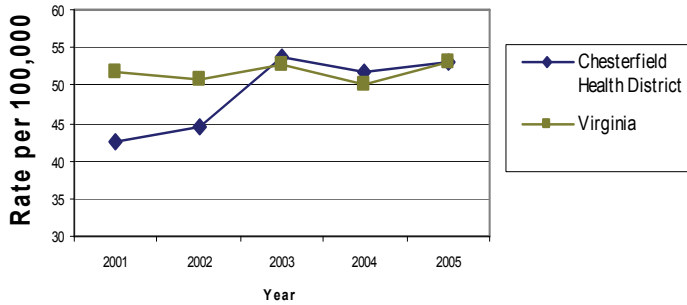
During 2001-2005, 704 injury related deaths occurred in the two counties and one city that make up the Chesterfield Health District. 86% of these deaths occurred in Chesterfield County, 8% in Powhatan County, and 6% in Colonial Heights.

Injury Related Deaths, 2001-2005

Mechanism and Intent

- 61% of injury deaths were unintentional. Motor vehicle traffic accidents (38.4%), poisonings (16%), and falls (16%) accounted for 70% of all unintentional injury deaths.
- Suicides accounted for 26% of injury deaths. The three leading causes of suicides were; firearms (57%), poisonings (21%), and suffocation (18%).
- Homicides accounted for 12% of injury deaths. 80% of these were the result of a firearm.
- Among children and adolescents, the leading causes of death differed based age group (see Table 1).

Figure 1. Chesterfield Health District and Virginia Age-Adjusted Injury Death Rates, 2001 - 2005



Demographics (age, gender, race)

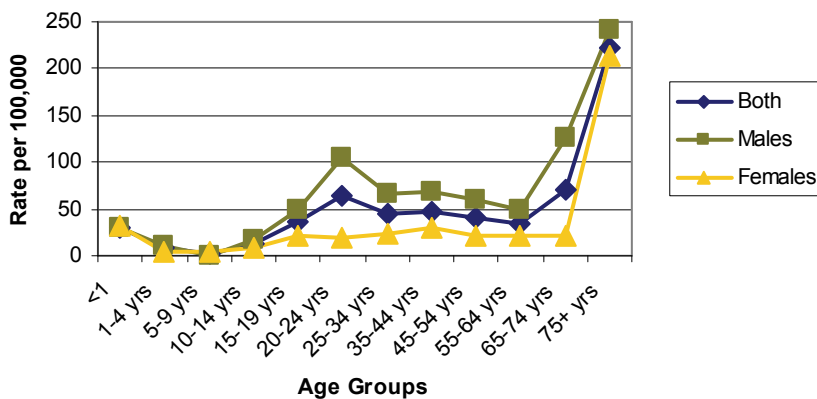
- Males were more likely than females to die from injuries across every age group except infants (<1 yr old) and 5-9 year olds (see Figure 2).
- The elderly (65 and over) experienced a higher number of injury deaths than any other age group. 28% of these deaths were the result of falls, 15% were the result of motor vehicle traffic accidents, and 13% were the result of firearms.
- Black injury death rates were higher than white rates in every age group except for the following; infants less than 1 year old, 15-19 yr olds, 45-54 yr olds, and those 75 and over.

Table 1. Leading Causes of Childhood and Adolescent Injury Death, Chesterfield Health District 2001-2005

0-4 yr olds (N=12)	5-9 yrs old (N=2)	10-14 yrs old (N=16)	15-19 yr olds (N=46)
Suffocation (N=3)	MVT (n=1)	Firearm (N=7) (Homicides=6/ Suicides=1)	MVT (N=22)
MVT (N=2)	Firearm (N=1) (Homicide=1)	MVT (N=4)	Firearm (N=14) (Homicides=11/ Suicides=3)
Fall (N=1)		Suffocation (N=4)	Drowning (N=5)
Drowning (N=1)		Other (N=1)	Fall (N=2)

*MVT=Motor Vehicle Traffic (mvt crashes related to and involving occupants, motorcyclists, pedestrians, and pedal cyclists.)

Crude Injury Mortality Rates by Gender, Chesterfield Health District 2001-2005



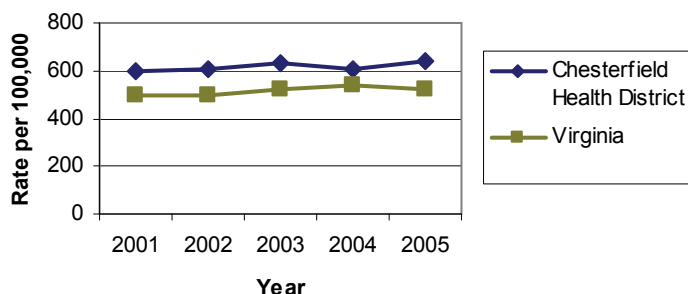
For more in depth data, please visit
VOIRS, the Virginia Online Injury Reporting System.

www.vahealth.org/CIVP/VOIRS/

Division of Injury and Violence Prevention
 Virginia Department of Health
www.vahealth.org/civp

During 2001-2005, 8,441 injury related hospitalizations occurred in the two counties and one city that make up the Chesterfield Health District. 83% of these hospitalizations occurred in Chesterfield County, 6.6% in Powhatan County, and 10.4% in Colonial Heights.

Figure 3. Chesterfield Health District and Virginia Age-Adjusted Injury Hospitalization Rates, 2001-2005



Demographics (age, gender, race)

- Males were more likely than females to be hospitalized for an injury across every age group except infants (<1 yr old) and the elderly 65 and older.
- The elderly (65 and older) were more likely to be hospitalized for an injury than any other age group. 80% of these hospitalizations were the result of unintentional falls.
- White injury hospitalization rates were higher than black rates in every age group except 1-9 year olds and 55-64 year olds.

Mechanism and Intent

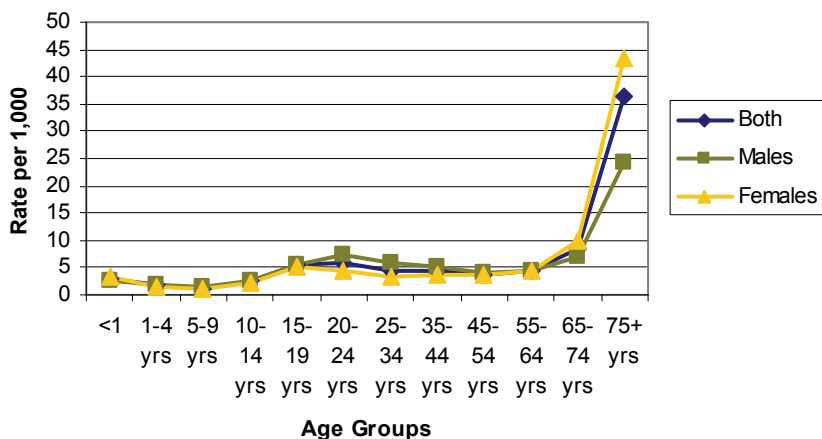
- 77% of injury hospitalizations were unintentional. Falls (52.2%) and motor vehicle traffic accidents (17.9%) accounted for 70% of all unintentional injury hospitalizations.
- Self-inflicted injuries accounted for 17% of injury hospitalizations. Poisonings (80%) and cut/pierces (15.5%) were the leading causes of self-inflicted injuries.
- Assaults accounted for 4% of injury hospitalization. The three leading causes were; Struck by/against (29%), Firearms (23.5%) and cut/pierce (16.7%)

Table 1. Leading Causes of Childhood and Adolescent Injury Hospitalizations, Chesterfield Health District 2001-2005

0-4 yr olds (N)	5-9 yrs old (N)	10-14 yrs old (N)	15-19 yr olds (N)
Falls (N=52)	Falls (n=38)	Poisoning (n=80)	Poisoning (n=212)
Poisoning (N=24)	MVT (n=26)	Falls (n=56)	MVT (n=203)
Hot object/Substance (N=22)	Bicycle (n=10)	MVT (n=39)	Cut/Pierce (n=67)
MVT (N=17)	Bites/Stings (n=10)	Cut/Pierce (n=30)	Fall (n=61)
Bites/Stings (N=12)	Struck by/against (n=22)	Struck by/against (n=23)	Struck by/against (n=32)

*MVT=Motor Vehicle Traffic (mvt crashes related to and involving occupants, motorcyclists, pedestrians, and pedal cyclists.)

Figure 4. Crude Injury Hospitalization Rate by Gender, Chesterfield Health District 2001-2005



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Local Health District Injury Rates: 2001-2005

Health District	# Deaths	Death Rate*	# Hospitalizations	Hospitalization Rate*
Alexandria	223	36.65	2,696	498.52
Alleghany	456	76.68	5,349	1,006.76
Arlington	316	49.57	3,100	581.84
Central Shenandoah	709	119.87	10,102	1,891.13
Central Virginia	687	119.61	4,014	697.90
Chesapeake	408	65.80	5,037	926.41
Chesterfield	704	114.63	8,441	1,494.16
Chickahominy	341	53.97	3,038	536.98
Crater	493	78.95	5,670	979.78
Cumberland Plateau	646	92.86	4,213	705.16
Eastern Shore	218	37.82	1,726	330.83
Fairfax	1,440	239.31	17,794	3,260.97
Hampton	315	54.33	2,347	428.71
Henrico	723	117.41	7,419	1,414.29
Lenowisco	437	66.23	3,491	587.03
Lord Fairfax	589	94.04	6,274	1,148.37
Loudon	308	51.59	3,175	561.55
Mount Rogers	672	106.62	4,388	803.86
New River	520	85.76	5,406	983.89
Norfolk (City)	649	109.97	6,524	1,148.64
Peninsula	703	121.04	5,525	1,017.53
Piedmont	366	63.03	3,321	621.21
Pittsylvania/ Danville	400	68.32	3,757	699.17
Portsmouth	339	55.79	3,197	574.84
Prince William	626	93.40	6,434	1,091.34
Rappahannock	568	91.65	7,140	1,290.74
Rappahannock/ Rapidan	460	74.60	4,735	859.44
Richmond (City)	969	154.20	7,289	1,221.99
Roanoke (City)	385	66.27	4,583	837.60
Southside	352	57.70	2,778	509.05
Thomas Jefferson	551	90.86	5,112	908.63
Three Rivers	517	89.20	3,093	577.62
Virginia Beach	833	133.55	8,555	1,561.35
West Piedmont	600	96.60	4,506	812.94
Western Tidewater	357	61.27	3,809	688.41

*Crude Rates per 100,000

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