

West Virginia Vital Statistics 2004



June 2006



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FIFTY-EIGHTH ANNUAL REPORT
VITAL HEALTH STATISTICS
OF
WEST VIRGINIA
2004



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WEST VIRGINIA VITAL STATISTICS SUMMARY 2004

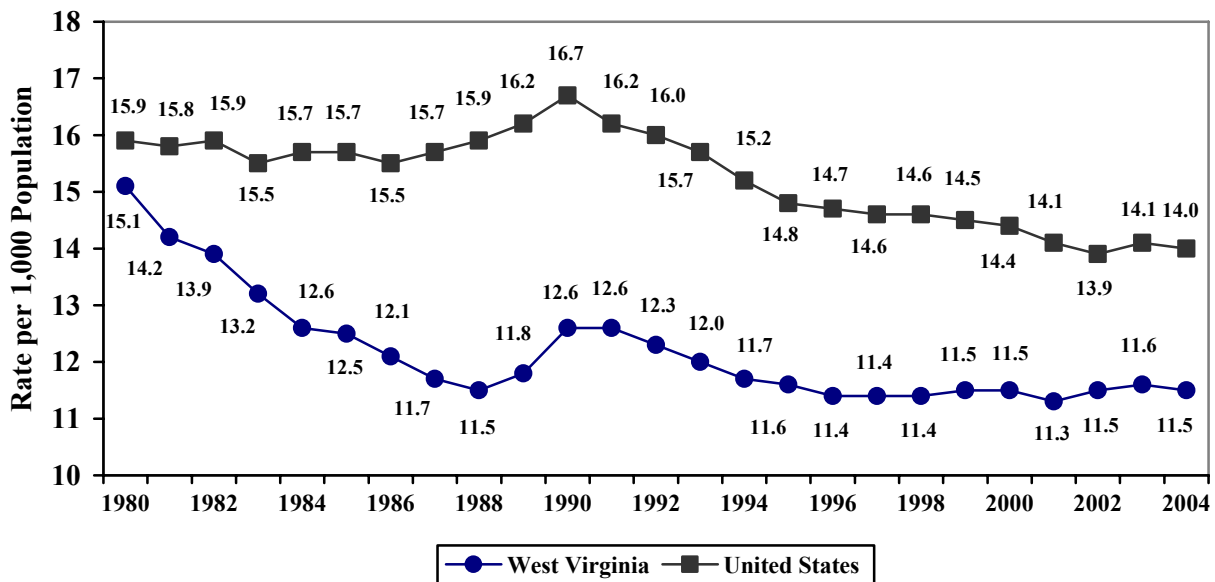
Population

In 2004, 135 West Virginians were added to the total population as a result of natural increase, the excess of births over deaths. The rate of natural increase was 0.1 persons per 1,000 population. Results from the 2004 Census estimate show an overall increase (approximately 0.4%) in the state's population since 2000, from 1,808,344 to 1,815,354. This increase is the result of a slight growth in the excess of in-migration over out-migration during that span, as well as the natural increase.

Live Births

West Virginia resident live births decreased by 75, from 20,986 in 2003 to 20,911 in 2004. The 2004 birth rate of 11.5 per 1,000 population also declined, from 11.6 in 2003. The U.S. 2004 birth rate was 14.0 live births per 1,000 population, lower than 2003 (14.1). As the graph below shows, West Virginia's birth rate has been below the national rate since 1980. It continued its overall decline until 1996, interrupted by slight upturns in 1989 through 1991. It has remained relatively stable since 1996.

**West Virginia and United States Birth Rates
1980-2004**



The 2004 U.S. fertility rate of 66.3 live births per 1,000 women aged 15-44 was 0.4% higher than the 2003 rate (66.1). West Virginia's fertility rate also increased 4.1% from 56.1 in 2003 to 58.4 in 2004. A comparison of West Virginia and United States age-specific fertility rates is displayed below:

Fertility Rates* by Age Group West Virginia and United States, 2004					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
43.6	41.2	61.0	71.0	58.4	66.3

* All fertility rates were calculated using 2004 estimates, U.S. Department of Commerce, Bureau of the Census.

**National Center for Health Statistics, *National Vital Statistics Report*, Vol. 54, No. 8, December 29, 2005.

The fertility rate among women aged 15-19 in West Virginia was 4.6% higher than that among young women in the U.S. (43.6 vs. 41.2). The fertility rate among women aged 20-44 was lower (14.1%) in the state than in the nation (61.0 vs. 71.0).

The number of births to teenage mothers decreased by 87 (3.4%), from 2,576 in 2003 to 2,489 in 2004. The percentage of total births represented by teenage births decreased from 12.3% in 2003 to 11.9% in 2004. The significantly lower fertility rate among older women, however, resulted in teenage births continuing to constitute a higher proportion of total births than is found nationally (10.3% in 2004).

The percentage of births occurring out of wedlock rose from 2003; in 2004, over one out of every three (34.7%) West Virginia resident births was to an unwed mother. The percentages of white and black births that occurred out of wedlock in West Virginia in 2004 were 33.4% and 76.9%, respectively, compared to 33.1% and 75.4% in 2003. In the United States in 2004, 29.3% of white births (non-Hispanic) and 66.8% of births to black mothers (non-Hispanic) occurred out of wedlock. The percentage of teenage births to unmarried teenage mothers in the state increased from 76.1% in 2003 to 76.5% in 2004.

There were a total of 1,950 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2004, 9.3% of all births. Of the 1,942 low

birthweight infants with known gestational age, 1,338 or 68.9% were preterm babies born before 37 weeks of gestation. (Of all 2004 resident births with a known gestational age, 12.4% were preterm babies.) Of the births with known birthweight, 14.2% of babies born to black mothers and 9.2% of babies born to white mothers were low birthweight. Nationally, 8.1% of all infants weighed less than 2,500 grams at birth in 2004; 7.3% of white infants and 13.7% of black infants were of low birthweight.

Eighty-six percent (86.0%) of West Virginia mothers with known prenatal care began their care during the first trimester of pregnancy, compared to 83.9% of mothers nationwide in 2004. Among those with known prenatal care, 86.3% of the white mothers began care during the first trimester; 76.3% of black mothers did so. (U.S. figures show 88.9% of white mothers and 76.5% of black mothers.) No prenatal care was received by 0.6% of white mothers and by 2.3% of black mothers.

Over one-fourth (26.8%) of the 20,911 births in 2004 were to mothers who smoked during their pregnancies, while 0.6% of births were to women who used alcohol. National figures show that 10.2% of women giving birth reported smoking during pregnancy and 0.8% used alcohol. Of the state mothers who reported smoking during pregnancy, 14.3% of the babies born were low birthweight, compared to 7.3% for non-smoking mothers. 2002 U.S. statistics show 12.2% of births to smoking mothers were low birthweight compared with 7.5% for non-smoking mothers. Nearly one-third (33.1%) of 2004 state births were delivered by Cesarean section, compared to a national rate of 29.1%. One or more complications of labor and/or delivery were reported for 33.8% of deliveries in the state in 2004.

Deaths

The number of West Virginia resident deaths decreased by 523, from 21,299 in 2003 to 20,776 in 2004. The state's crude death rate also dropped from 11.8 per 1,000 population in 2003 to 11.4 in 2004. The average age at death for West Virginians was 72.5 (69.0 for men and 75.9 for women), slightly lower than the 2003 average of 72.8 (69.0 for men and 76.3 for women). One hundred and seventeen West Virginia residents who died in 2004 were age 100 or older. The oldest woman was 110 years old at the time of death, while the oldest man was 104 years old.

Heart disease, cancer, chronic lower respiratory diseases, and stroke, the four leading causes of death, accounted for 61.5% of West Virginia resident deaths in 2004. Compared to 2003, the number of state deaths due to heart disease decreased 9.2% while cancer deaths increased 1.3%. Deaths due to chronic lower respiratory diseases, which surpassed stroke for the fourth time in the past five years, decreased 5.8%, while stroke mortality decreased 7.8%. Diabetes mellitus deaths increased 7.2%, while the number of reported deaths due to pneumonia and influenza decreased 9.0% from 2003 to 2004. Alzheimer's disease, now the seventh leading cause of death in the Mountain State for the second year in a row, decreased by just one death or 0.2%. Accident mortality increased by 138 (14.3%), from 966 in 2003 to 1,104 in 2004. Motor

vehicle accident deaths continued to number fewer than the 435 deaths in 1993, the year the West Virginia seatbelt law took effect; however, they increased by 16 (4.1%) from 392 in 2003 to 408 in 2004. Accidental poisoning deaths have been on the rise in West Virginia for the past five years, from 58 in 2000 to 127 in 2001, 156 in 2002, 252 in 2003, and 306 in 2004.

Accidents were the leading cause of death for ages one through 44 years. Even with the precipitous drop in motor vehicle accident deaths between 1993 and 1994, such fatalities remained the single leading cause of death for young adults aged 15 through 34, accounting for 26.0% of all deaths for this age group in 2004, compared with 26.2% in 2003. West Virginia's 2004 motor vehicle fatalities included five children under five years of age, compared with four in 2003. Accidental poisoning accounted for 16.3% of all deaths in the age group of 15-34.

Suicides increased by only three (278 to 281, or 1.1%) between 2003 and 2004. Male suicides increased by one or 0.4 %, from 234 in 2003 to 235 in 2004; the number of female suicides (46) increased by two or 4.5% from 2003. Over two-thirds (68.3%) of all suicide deaths were firearm related — 73.6% of male suicides and 41.3% of female suicides. The average age of death for a suicide victim in 2004 was 45.2 years. While suicide was the 11th leading cause of death overall, it was still the second leading cause of death for ages 15-34. The number of suicides among persons aged 19 and under was 13 in 2004.

Homicides decreased by 13, from 92 in 2003 to 79 in 2004. Fifty-three (53) of the homicide victims were male, 26 were female. The average age at death for a homicide victim in 2004 was 38.9 years. There were two homicide victims under the age of five in 2004, compared with four in 2003. Nearly two-thirds (65.8%) of 2004 homicide deaths were due to firearms.

Years of Potential Life Lost (YPLL)

YPLL is a measure of mortality, calculated as the difference between age 75 (an average life span) and the age at death. Using YPLL before age 75, the sum of YPLL across all causes of death represents the total YPLL for all persons dying before the age of 75. A person dying at the age of 45 would therefore contribute 30 years to the total YPLL ($75-45=30$). YPLL is an important tool in emphasizing and evaluating causes of premature death.

The YPLL from all causes decreased very slightly 0.4%, from 161,585 YPLL in 2003 to 160,916 in 2004. The four leading causes of YPLL in 2004 were malignant neoplasms (34,598 YPLL), diseases of the heart (24,695 YPLL), non-motor vehicle accidents (16,534 YPLL), and motor vehicle accidents (13,735 YPLL). Combined, these four causes accounted for over half (55.7%) of all years of potential life lost in 2004. In comparison to 2003, YPLL attributable to malignant neoplasms decreased from 22.3% to 21.5%. YPLL due to diseases of the heart decreased from 17.9% to 15.3% and YPLL due to non-motor vehicle accidents increased from 9.0% to 10.3%. The percentage of total YPLL due to motor vehicle crashes increased, from 8.1% to 8.5%.

Infant Deaths

Deaths of infants under one year of age rose by five, from 153 in 2003 to 158 in 2004. West Virginia's infant mortality rate also increased, from 7.3 per 1,000 live births in 2003 to 7.6 in 2004. The U.S. infant mortality rate decreased minimally, from 6.9 in 2003 to 6.8 in 2004.

The following table shows the decline in the national and state infant mortality rates from 1950 through 2003.

**1950 – 2004 Infant Mortality
West Virginia and United States
(Number and Rate per 1,000 Live Births)**

Year	West Virginia	United States
1950	31.4	29.2
1955	27.1	26.4
1960	25.3	26.0
1965	27.1	24.5
1970	23.3	20.0
1975	18.3	16.1
1980	11.8	12.6
1985	10.7	10.6
1990	9.8	9.1
1995	7.6	7.5
1996	7.2	7.2
1997	9.5	7.2
1998	8.1	7.2
1999	7.6	7.1
2000	7.6	6.9
2001	7.3	6.9
2002	9.1	7.0
2003	7.3	6.9
2004	7.6	6.8

The state's 2004 white infant mortality rate increased 7.2%, from 6.9 in 2003 to 7.4, while the rate for black infants decreased over one-fifth (23.7%), from 19.8 to 15.1 (see statistical variation in Methodology on page 9). West Virginia's 2004 race-specific infant mortality rates and comparable U.S. rates are shown in the table on the following page.

**2004 West Virginia and United States
Infant Mortality by Race
(Number and Rate per 1,000 Live Births)**

Race of Infant	West Virginia		United States	
	Number	Rate	Number	Rate
All Races	158	7.6	27,838	6.8
White	147	7.4	18,240	5.6
Black	10	15.1	8,359	13.6
Other	1	3.7	1,239	4.5

Approximately one in 10 (9.5%) infant deaths in 2004 was due to SIDS (sudden infant death syndrome). Twenty-three percent (22.8%) were the result of congenital malformations, while 53.8% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (10.8%).

Neonatal/Postneonatal Deaths

The number of neonatal deaths rose by six, from 95 in 2003 to 101 in 2004; the neonatal death rate also increased from 4.5 deaths among infants under 28 days per 1,000 live births in 2003 to 4.8 in 2004. Neonatal deaths comprised 63.9% of all West Virginia resident infant deaths in 2004, compared to 62.1% in 2003. The rate of postneonatal deaths decreased from 2.8 deaths per 1,000 neonatal survivors in 2003 to 2.7 in 2004. The 2003 U.S. neonatal death rate was 4.7, while the postneonatal rate was 2.2 deaths per 1,000 neonatal survivors. 2004 U.S. neonatal and postneonatal data were not available at the time of this publication.

Fetal Deaths

The 135 resident fetal deaths occurring after 20 or more weeks of gestation reported in 2004 were six more than in 2003 (129). The fetal death ratio also increased from 6.1 deaths per 1,000 live births in 2003 to 6.5 in 2004. The majority (88.9%) of fetal deaths were due to conditions originating in the perinatal period, including complications of placenta, cord, and membrane (31.9%), maternal conditions (3.7%), maternal complications (10.4%), short gestation and low birthweight (8.9%), and other ill-defined perinatal conditions (25.2%). Congenital malformations accounted for 11.1% of all fetal deaths.

Marriages

For the fourth year in a row and following a dramatic increase due to the passage of a new law that became effective June 2, 1999*, the number of marriages in West Virginia decreased from 13,697 in 2003 to 13,622 in 2004. The marriage rate in 2004 was 7.5 per 1,000 population, down from 7.6 in 2003. The 2004 U.S. provisional rate was 7.6.

For all marriages in 2004, the median age for brides was 27 and for grooms was 29. For first marriages, the median age for brides was 23 and for grooms was 24. The mode (most frequently reported age) for all marriages was 24 for both brides and grooms and for first marriages was 22 for brides and 24 for grooms.

Divorces and Annulments

The number of divorces decreased by 186 or 2.0%, from 9,335 in 2003 to 9,149 in 2004. The 2004 rate of 5.0 per 1,000 population was down from the 2003 rate of 5.2.

Of the 9,149 divorces in West Virginia in 2004, the median duration of marriage was six years. Over half (53.5%) of the divorces involved no children under 18 years of age in the family, while one child was involved in 23.4% of all divorces and two children were involved in 17.4%. Three divorces involved six children.

Summary

The number of West Virginia resident births decreased by 75 from 20,986 in 2003 to 20,911 in 2004. West Virginia resident deaths also decreased from 21,299 in 2003 to 20,776 in 2004. The number of infant deaths increased by five, from 153 in 2003 to 158 in 2004. Fetal deaths of 20 or more weeks gestation rose from 129 in 2003 to 135 in 2004. Marriages decreased for the fourth time in six years, from 13,697 in 2003 to 13,622 in 2004, while divorces also decreased from 9,335 in 2003 to 9,149 in 2004.

*The new law removed the three-day waiting period for persons aged 18 and older as well as the requirement for a blood test for syphilis.

METHODOLOGY

Data used to prepare this report are taken from birth and death certificates, fetal death reports, marriage applications, and divorce reports occurring in calendar year 2004 and filed in the office of the West Virginia Registrar of Vital Statistics prior to December 5, 2005. Vital events occurring to West Virginia residents in other states and recorded in the office of the registrar by June 1 are also included in totals by residence.

Place of Residence vs. Place of Occurrence

Data on vital events can be reported in two ways: by county of residence or by county of occurrence. For example, Randolph County reported 357 deaths as occurring within the confines of the county. However resident deaths for the county for 2004 totaled 353. With the exception of Table 25, the mortality data presented in this report are based on county of residence, and county resident populations are used to calculate rates.

With the exception of Table 6, birth data are similarly reported by county of residence.

Statistical Variation

All statistics contain variations that are the result of chance. This characteristic is of particular importance in classifications of events with small numbers, where small variations are proportionately large in relation to base figures. For example, small changes in the number of deaths or births in small population areas or in the number of deaths from uncommon causes could result in large changes in the respective rates. For this reason, rates for counties with small populations or other small bases should be used with caution.

Table 38 presents the number of infant deaths broken down by the race of mother while the table on page 6 in the summary has the number of infant deaths broken down by race of infant.

Geographic Classification

The county has been used as the basic unit of tabulation throughout this report. Data have also been supplied for public health management districts and for the total state. In some instances, data have been supplied for individual cities.

Cause of Death Classification

The cause of death is coded from information contained in the medical certification section of the death certificate. This portion of the certificate is completed by the attending physician. In the case of unattended death, the medical examiner is responsible for investigation and certification.

Effective in 1999, the National Center for Health Statistics and the World Health Organization adopted the *Tenth Revision of the International Classification of Diseases Adapted for Use in the United States, 1999 (ICD-10)*. The deaths with codes A00 through T98 and Z00-Z99 were coded using the “nature of injury” causes, while those with codes V01 through Y98 were coded using the “external cause” of death. The external codes are used to indicate a death due to an external rather than an internal cause. Thus, a death from a gunshot wound would be coded using an external code, while a death due to cancer would not have an external code.

In several tables individual causes of death have been grouped into important selected causes of death. See Appendix B, “Groupings of ICD-10 Codes,” for a listing of the selected causes of death.

Population

The rates given in this publication were calculated using the 2004 estimated population figures from the U.S. Department of Commerce, Bureau of the Census.

Forms

The following is a list of the certificates and forms used in obtaining the data used in this publication. A sample copy of each can be found in Appendix A.

- Certificate of Live Birth
- Physician’s/Medical Examiner’s Certificate of Death
- Report of Fetal Death
- Application for Marriage License
- Monthly Report of Divorces and Annulments of Marriages Granted

Suggestions and comments on alternate methods of data presentation are welcome. Forward any suggestions to the following address:

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RATES AND RATIOS

The impact of chance variation must be considered in evaluating categories with small frequencies. For example, a small change in the number of infant deaths in a county can disproportionately affect the infant mortality rate for that county. Rates for cities and counties therefore require special consideration. Regional and state rates, with larger frequencies, provide more accurate data overall.

Rates used in this report are calculated with the 2004 estimated population figures from the U.S. Department of Commerce, Bureau of the Census.

$$\text{Birth Rate (Crude)} = \frac{\text{Number of live births}}{\text{Population}} \times 1,000$$

$$\text{Fertility Rate} = \frac{\text{Number of live births to women aged 15-44}}{\text{Number of women aged 15-44}} \times 1,000$$

$$\text{Teenage Fertility Rate} = \frac{\text{Number of live births to women aged 15-19}}{\text{Number of women aged 15-19}} \times 1,000$$

$$\text{Death Rate (Crude)} = \frac{\text{Number of deaths}}{\text{Population}} \times 1,000$$

$$\text{Cause of Death Rate} = \frac{\text{Number of deaths from a stated cause}}{\text{Population}} \times 100,000$$

$$\text{Infant Death Rate} = \frac{\text{Number of infant deaths}}{\text{Number of live births}} \times 1,000$$

$$\text{Neonatal Death Rate} = \frac{\text{Number of neonatal deaths}}{\text{Number of live births}} \times 1,000$$

$$\text{Fetal Death Ratio} = \frac{\text{Number of fetal deaths}}{\text{Number of live births}} \times 1,000$$

$$\text{Maternal Death Rate} = \frac{\text{Number of maternal deaths}}{\text{Number of live births}} \times 100,000$$

DEFINITIONS

LIVE BIRTH - A live birth is the complete expulsion or extraction from its mother of a result of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of umbilical cord, or definite movement of voluntary muscles.

BIRTHWEIGHT - The weight of the fetus or infant at the time of delivery.

LOW BIRTHWEIGHT - A weight at birth of under 2,500 grams or 5 lbs., 8 oz.

CAUSE OF DEATH - The underlying cause of death, or that condition giving rise to the chain of events leading to death.

FETAL DEATH (STILLBIRTH) - Death prior to the complete expulsion or extraction from its mother of a product of conception, having passed through at least the 20th week of gestation.

INFANT DEATH - Death occurring to an individual of less than one year of age.

NEONATAL DEATH - The death of a live-born infant that occurs within the first 27 days of life.

POSTNEONATAL DEATH - The death of a live-born infant that occurs after the 27th day of life but before one year of age.

MATERNAL DEATH - The death of a woman while pregnant or within 42 days of termination of pregnancy. This is irrespective of the duration and site of the pregnancy or its management but not from accidental or incidental causes. ICD-10 codes A34, O00-O95, O98-O99.

OCCURRENCE DATA - Vital statistics compiled on the basis of where the vital event actually occurred.

RESIDENCE DATA - Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred. For births and fetal deaths, residence is defined as the mother's usual place of residence.

2004 West Virginia and United States Vital Statistics Review

	West Virginia		United States**	
	Number	Rate*	Number	Rate*
Live Births	20,911	11.5	4,115,592	14.0
Deaths	20,776	11.4	2,398,343	8.2
Fetal Deaths	135	**6.5	N/A	N/A
Neonatal Deaths	101	**4.8	18,893 (2003)	**4.6
Infant Deaths	158	**7.6	27,838	**6.8
Marriages	13,622	7.5	2,224,000	7.6
Divorces & Annulments	9,149	5.0	N/A	N/A
Natural Increase	135	0.1	1,667,302	5.7
Population (2004 Estimate)	1,815,354		293,656,842	

*Rates based on 2004 Bureau of the Census population estimates.

**Ratio/rate per 1,000 live births.

***National Center for Health Statistics. (Births) *National Vital Statistics Report*. Vol. 54, No. 8, DHHS Pub. No. (PHS) 2006-1120, December 29, 2005; (Deaths) *National Vital Statistics Report*. Website address <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/prelimdeaths04/preliminarydeaths04.htm>; (Marriages) *National Vital Statistics Report*. Vol. 53, No. 21, DHHS Pub. No. (PHS) 2005-1120, June 28, 2005;

West Virginia Bureau for Public Health
Health Statistics Center, 2005

Selected Records and Trivia West Virginia, 2004

Natality

Oldest Father: 71	Oldest Mother: 48
Youngest Father: 14	Youngest Mother: 12
Highest Live Birth Order: 12 th Delivery – 11 siblings (brothers and sisters)	
Day Most Births Occurred: July 21 (95)	
Day Fewest Births Occurred: November 21 (15)	
Number of Live Born Twins: 591	
Number of Live Born Triplets: 6	
Number of Live Born Quintuplets: 4	

Most Popular Names for Babies

<u>Boys' Names</u>	<u>Number</u>	<u>Girls' Names</u>	<u>Number</u>
Jacob	254	Madison	213
Ethan	187	Emily	202
Tyler	144	Hannah	168
Matthew	139	Emma	165
Hunter	137	Olivia	128
Andrew	136	Abigail	127
William	131	Alexis	126
Logan	129	Isabella	93
Joshua	127	Haley	91
Austin	126	Alyssa	83

Mortality

Oldest Male Decedent: 104	Oldest Female Decedent: 110
Number of Male Decedents 100 Yrs. & Older: 21	
Number of Female Decedents 100 Yrs. & Older: 96	
Day Most Deaths Occurred: December 29 (86)	
Day Fewest Deaths Occurred: July 1 (33)	

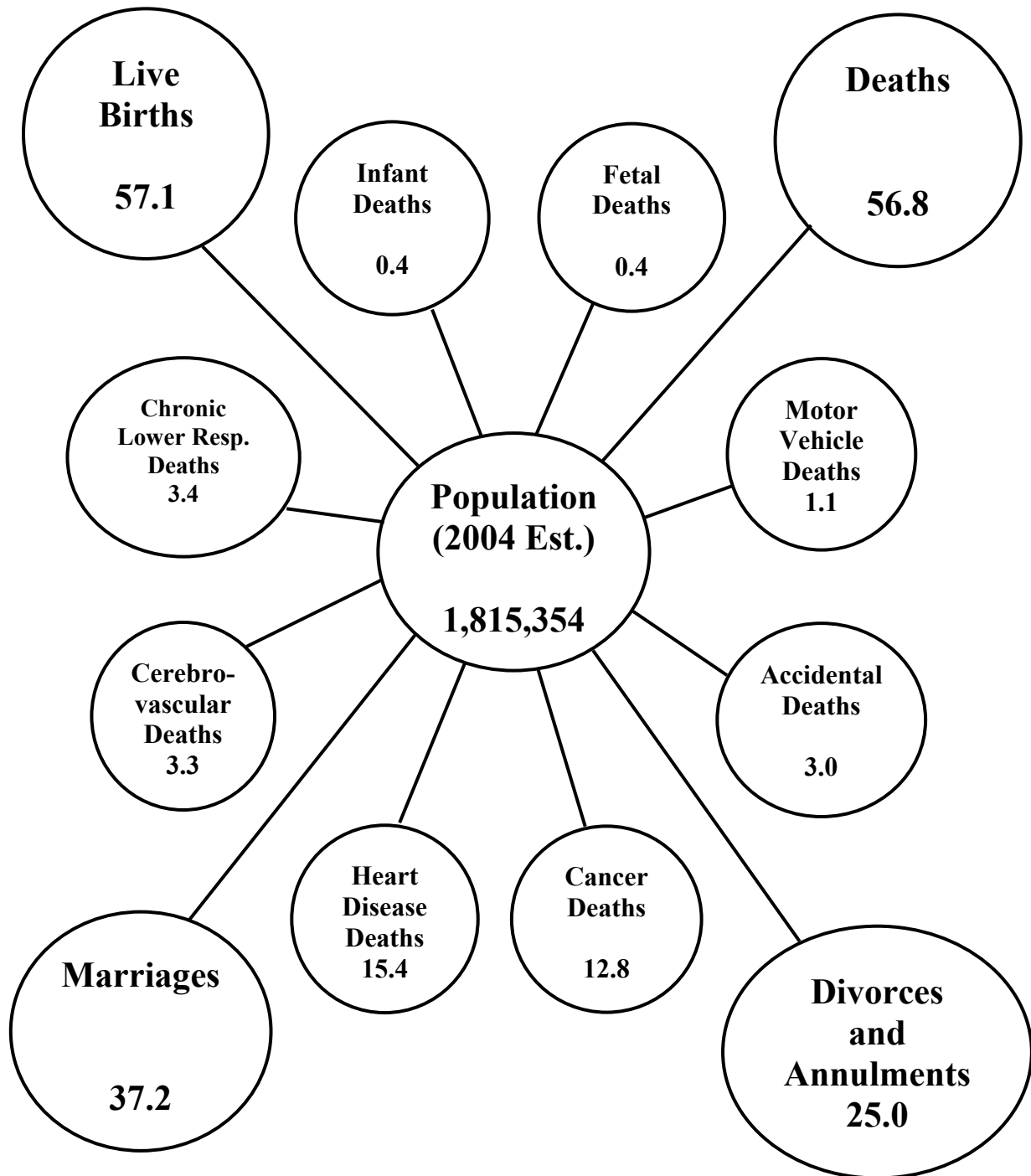
Marriage

Oldest Groom: 89	Oldest Bride: 92
Youngest Groom: 15	Youngest Bride: 14
Largest Age Difference with Bride Older: 29 Years	
Largest Age Difference with Groom Older: 51 Years	

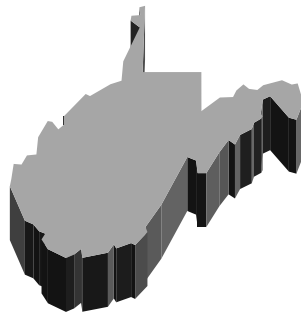
Divorce

Oldest Male Divorcé: 90	Oldest Female Divorcée: 90
Youngest Male Divorcé: 17	Youngest Female Divorcée: 16
Marriage of Longest Duration Ending in Divorce: 56 Years	

**Average Day Statistics
West Virginia, 2004**

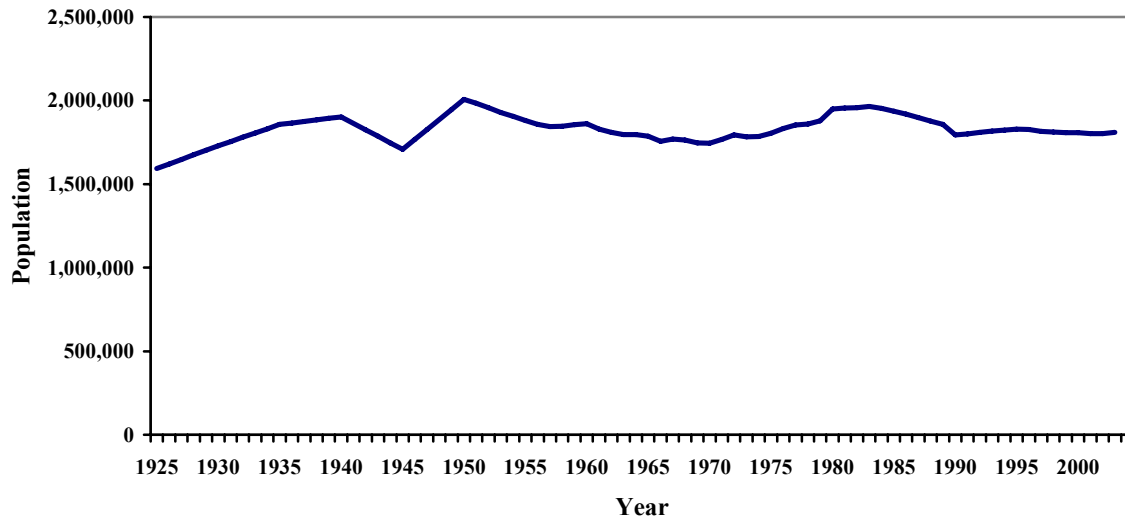


West Virginia Bureau for Public Health
Health Statistics Center, 2006



West Virginia Vital Statistics
Population

West Virginia Population, 1925-2004
Exhibit 1



Year	Population	Change in Population	
		Years	Percentage Change
1925*	1,593,005		
1930	1,729,205	1925 to 1930	+8.5
1935*	1,856,354	1930 to 1935	+7.4
1940	1,901,974	1935 to 1940	+2.5
1945*	1,708,000	1940 to 1945	-10.2
1950	2,005,552	1945 to 1950	+17.4
1955*	1,880,000	1950 to 1955	-6.3
1960	1,860,421	1955 to 1960	-1.0
1965*	1,786,000	1960 to 1965	-4.0
1970	1,744,237	1965 to 1970	-2.3
1975*	1,803,000	1970 to 1975	+3.4
1980	1,949,644	1975 to 1980	+8.1
1985*	1,936,000	1980 to 1985	-0.7
1990	1,793,477	1985 to 1990	-7.4
1995*	1,828,000	1990 to 1995	+1.9
2000	1,808,344	1995 to 2000	-1.1
2001*	1,801,916	2000 to 2001	-0.4
2002*	1,801,873	2001 to 2002	0.0
2003*	1,810,354	2002 to 2003	+0.5
2004*	1,815,354	2003 to 2004	+0.3

West Virginia Bureau for Public Health
Health Statistics Center, 2006

*Population Estimates

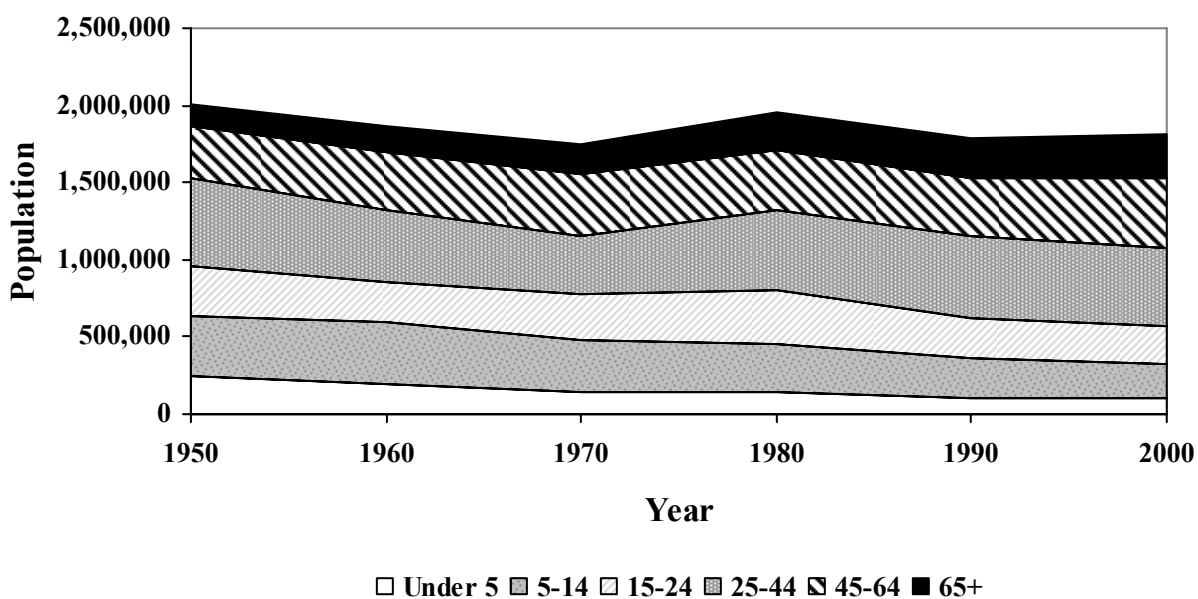
West Virginia Population, 2003 and 2004
Table 1

County	2003*	2004*	County	2003*	2004*
Barbour	15,653	15,476	Monongalia	84,370	83,918
Berkeley	85,272	89,362	Monroe	13,503	13,568
Boone	25,785	25,721	Morgan	15,514	15,810
Braxton	14,771	14,950	Nicholas	26,243	26,276
Brooke	24,939	24,785	Ohio	45,828	45,410
Cabell	95,043	94,801	Pendleton	7,896	7,897
Calhoun	7,294	7,415	Pleasants	7,521	7,441
Clay	10,352	10,424	Pocahontas	8,944	8,995
Doddridge	7,491	7,418	Preston	29,705	29,856
Fayette	47,270	47,049	Putnam	53,035	53,836
Gilmer	7,037	6,982	Raleigh	79,254	79,175
Grant	11,434	11,537	Randolph	28,254	28,495
Greenbrier	34,656	34,886	Ritchie	10,515	10,486
Hampshire	21,247	21,542	Roane	15,362	15,359
Hancock	31,742	31,507	Summers	13,917	13,809
Hardy	12,990	13,209	Taylor	16,127	16,202
Harrison	68,032	68,303	Tucker	7,162	7,046
Jackson	28,285	28,477	Tyler	9,439	9,365
Jefferson	46,270	47,663	Upshur	23,668	23,996
Kanawha	195,413	195,218	Wayne	42,418	42,515
Lewis	17,148	17,132	Webster	9,790	9,849
Lincoln	22,251	22,564	Wetzel	17,160	17,048
Logan	36,745	36,502	Wirt	5,790	5,835
McDowell	25,348	24,726	Wood	87,336	87,100
Marion	56,484	56,453	Wyoming	24,830	24,698
Marshall	34,897	34,722			
Mason	26,079	25,941			
Mercer	62,113	62,070	Total	1,810,354	1,815,354
Mineral	27,147	27,145			
Mingo	27,585	27,389			

* Population estimates from U.S. Bureau of the Census

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Age Group Distribution
West Virginia Population, 1950-2000
Exhibit 2**



	1950	1960	1970	1980	1990	2000
Under 5 Years	240,107	196,291	138,249	145,583	106,659	101,805
5-14 Years	396,369	402,206	335,509	310,291	254,687	227,332
15-24 Years	325,990	262,193	301,039	346,892	262,222	245,687
25-44 Years	560,833	455,593	383,227	513,022	532,807	501,343
45-64 Years	343,727	377,888	391,739	395,988	368,205	455,282
65+ Years	138,526	166,250	194,474	237,868	268,897	276,895
Total	2,005,552	1,860,421	1,744,237	1,949,644	1,793,477	1,808,344

Enumerated as of April 1 of the specified year (U.S. Department of Commerce, Bureau of the Census).

West Virginia Population Distribution, 2000

Distribution by Gender, Age, and Race

Table 2

Characteristic	Number	Percent
<u>Total</u>	1,808,344	100.0
<u>Gender</u>		
Male	879,170	48.6
Female	929,174	51.4
<u>Age</u>		
Less than 5 Years	101,805	5.6
5-17 Years	300,588	16.6
18-44 Years	673,774	37.3
45-64 Years	455,282	25.2
65+ Years	276,895	15.3
<u>Race</u>		
White	1,718,777	95.0
Black	57,232	3.2
Asian / Pacific Islander	9,834	0.5
American Indian, Eskimo, and Aleutian Islander	3,606	0.2
Other	18,895	1.0
<u>Hispanic Origin*</u>	12,279	0.7

* May be of any race.

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Age Group Distribution by County West Virginia Population, 2000 Both Genders Table 3

County of Residence	Less Than 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-29 Years	30-39 Years	40-49 Years	50-59 Years	60-64 Years	65+ Years	Total
Barbour	156	669	1,004	1,069	1,179	1,911	2,085	2,299	1,976	789	2,420	15,557
Berkeley	987	4,037	5,519	5,650	5,181	9,658	12,183	11,984	9,193	3,047	8,466	75,905
Boone	335	1,273	1,609	1,627	1,673	3,429	3,246	4,406	3,315	1,158	3,464	25,535
Braxton	167	612	913	1,031	922	1,737	2,049	2,322	1,893	726	2,330	14,702
Brooke	240	1,038	1,466	1,489	1,734	3,023	3,221	4,038	3,239	1,297	4,662	25,447
Cabell	1,103	4,158	5,404	5,365	7,163	16,094	12,236	13,893	11,420	4,449	15,499	96,784
Calhoun	66	320	411	512	592	746	1,006	1,228	1,045	392	1,264	7,582
Clay	139	489	726	795	791	1,273	1,409	1,584	1,235	475	1,414	10,330
Doddridge	88	351	466	522	657	766	992	1,167	916	380	1,098	7,403
Fayette	531	2,154	2,820	2,892	3,302	6,224	6,166	7,605	5,892	2,179	7,814	47,579
Gilmer	71	277	351	435	712	1,175	863	965	863	350	1,098	7,160
Grant	132	582	703	723	658	1,349	1,612	1,639	1,578	595	1,728	11,299
Greenbrier	364	1,540	2,052	2,143	2,215	3,653	4,417	5,399	4,708	1,861	6,101	34,453
Hampshire	258	983	1,397	1,554	1,352	2,133	2,888	3,041	2,657	1,000	2,940	20,203
Hancock	351	1,376	1,904	1,960	1,905	3,605	4,317	5,384	4,074	1,774	6,017	32,667
Hardy	147	608	867	881	755	1,397	1,930	1,890	1,669	641	1,884	12,669
Harrison	779	3,145	4,433	4,554	4,782	8,117	9,368	10,320	8,639	3,137	11,378	68,652
Jackson	331	1,367	1,843	2,014	1,863	3,240	3,826	4,309	3,356	1,558	4,293	28,000
Jefferson	557	2,085	2,748	2,913	3,174	5,255	6,695	6,788	5,490	1,761	4,724	42,190
Kanawha	2,339	9,098	11,757	12,007	12,207	24,919	26,998	32,965	25,331	9,416	33,036	200,073
Lewis	170	723	1,111	1,094	1,043	1,899	2,402	2,606	2,217	883	2,771	16,919
Lincoln	242	1,080	1,428	1,481	1,626	2,920	3,167	3,431	2,730	1,099	2,904	22,108
Logan	436	1,726	2,279	2,272	2,621	5,030	4,839	6,544	4,775	1,738	5,450	37,710
McDowell	293	1,113	1,692	1,981	1,954	3,029	3,387	4,625	3,557	1,296	4,402	27,329
Marton	569	2,330	3,230	3,372	3,971	7,704	7,169	8,344	7,191	2,645	10,073	56,598
Marshall	391	1,509	2,321	2,417	2,270	3,853	4,747	5,789	4,709	1,718	5,795	35,519
Mason	295	1,228	1,653	1,650	1,751	3,045	3,460	4,166	3,351	1,425	3,933	25,957
Mercer	670	2,968	3,644	3,606	4,206	8,327	7,930	9,495	8,071	3,094	10,969	62,980
Mineral	299	1,200	1,791	1,932	1,975	3,076	3,665	4,048	3,629	1,381	4,082	27,078
Mingo	337	1,315	1,870	1,975	2,164	3,583	4,077	4,713	3,499	1,204	3,516	28,253

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Age Group Distribution by County West Virginia Population, 2000 Both Genders Table 3 (continued)

County of Residence	Less Than 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-29 Years	30-39 Years	40-49 Years	50-59 Years	60-64 Years	65+ Years	Total
Monongalia	806	3,238	4,156	4,157	8,274	19,846	10,686	11,077	8,165	2,696	8,765	81,866
Monroe	143	580	800	894	842	1,848	2,266	2,246	2,007	715	2,242	14,583
Morgan	186	719	962	934	827	1,574	2,096	2,345	1,998	827	2,475	14,943
Nicholas	276	1,163	1,654	1,908	1,857	3,046	3,628	4,285	3,411	1,360	3,974	26,562
Ohio	476	1,973	2,769	3,009	3,519	5,780	5,752	7,466	5,602	2,181	8,900	47,427
Pendleton	80	360	503	545	470	923	1,089	1,274	1,034	458	1,460	8,196
Pleasants	90	351	514	494	507	867	1,070	1,211	950	338	1,122	7,514
Pocahontas	82	370	526	591	495	981	1,257	1,429	1,295	528	1,577	9,131
Preston	309	1,325	1,815	2,049	2,199	3,287	4,069	4,697	3,777	1,421	4,386	29,334
Putnam	638	2,726	3,582	3,769	3,414	5,859	7,886	8,818	6,709	2,227	5,961	51,589
Raleigh	899	3,458	4,681	4,889	5,060	10,706	10,514	13,065	10,130	3,618	12,200	79,220
Randolph	310	1,168	1,803	1,859	1,883	3,511	4,135	4,252	3,700	1,376	4,265	28,262
Ritchie	92	472	663	684	723	1,126	1,425	1,631	1,379	572	1,576	10,343
Roane	185	698	918	1,071	1,157	1,821	2,000	2,461	2,020	833	2,282	15,446
Summers	102	502	757	761	856	1,365	1,549	2,043	1,743	728	2,593	12,999
Taylor	180	684	1,002	1,132	1,082	1,851	2,342	2,565	1,965	747	2,539	16,089
Tucker	70	283	447	428	485	702	1,024	1,078	1,032	458	1,314	7,321
Tyler	110	393	607	699	619	975	1,268	1,523	1,291	528	1,579	9,592
Upshur	226	1,022	1,493	1,529	2,071	3,228	2,945	3,446	2,876	1,119	3,449	23,404
Wayne	516	1,955	2,813	2,904	2,993	5,386	5,882	6,292	5,527	2,224	6,411	42,903
Webster	91	409	635	670	665	1,105	1,222	1,579	1,347	514	1,482	9,719
Wetzel	184	823	1,146	1,249	1,219	1,761	2,348	2,699	2,392	1,011	2,861	17,693
Wirt	53	276	417	445	447	630	894	903	717	328	763	5,873
Wood	943	4,146	5,597	5,942	5,724	10,179	12,383	13,642	11,458	4,364	13,608	87,986
Wyoming	286	1,181	1,478	1,654	1,792	3,159	3,253	4,648	3,410	1,261	3,586	25,708
Total	20,176	81,629	111,150	116,182	125,578	233,686	245,333	283,662	228,153	85,900	276,895	1,808,344

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Age Group Distribution by County West Virginia Population, 2000

Males

Table 3 (continued)

County of Residence	Less Than 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-29 Years	30-39 Years	40-49 Years	50-59 Years	60-64 Years	65+ Years	Total
Barbour	86	366	544	553	586	974	1,009	1,128	996	400	1,004	7,646
Berkeley	501	2,001	2,862	2,921	2,759	4,768	6,054	6,013	4,694	1,469	3,742	37,784
Boone	174	646	834	861	826	1,669	1,601	2,175	1,696	563	1,426	12,471
Braxton	85	298	470	514	456	963	1,072	1,194	1,006	386	1,000	7,444
Brooke	118	517	745	748	877	1,528	1,627	1,976	1,598	613	1,835	12,182
Cabell	550	2,077	2,742	2,786	3,496	8,071	6,102	6,754	5,509	2,071	6,071	46,229
Calhoun	34	147	222	270	313	386	496	628	542	206	542	3,786
Clay	71	249	375	387	404	621	694	789	662	245	612	5,109
Doddridge	52	171	243	278	381	426	473	566	478	180	488	3,736
Fayette	273	1,146	1,492	1,516	1,736	3,292	3,106	3,893	3,026	1,011	3,078	23,569
Gilmer	34	135	174	215	379	640	445	478	430	182	488	3,600
Grant	74	311	336	377	369	661	812	789	800	294	762	5,585
Greenbrier	174	827	1,067	1,124	1,118	1,773	2,178	2,616	2,318	858	2,503	16,556
Hampshire	127	493	709	834	708	1,089	1,448	1,516	1,312	485	1,366	10,087
Hancock	187	721	975	994	968	1,798	2,055	2,696	2,022	807	2,464	15,687
Hardy	83	301	447	433	385	681	988	926	847	327	837	6,255
Harrison	386	1,555	2,294	2,362	2,448	4,087	4,566	5,071	4,196	1,466	4,430	32,861
Jackson	172	659	944	1,078	960	1,588	1,834	2,143	1,637	736	1,872	13,623
Jefferson	253	1,073	1,431	1,516	1,601	2,583	3,317	3,339	2,810	871	2,079	20,873
Kanawha	1,214	4,693	6,078	6,083	6,257	12,281	13,171	15,889	12,328	4,287	12,897	95,178
Lewis	79	380	572	563	517	961	1,229	1,286	1,083	424	1,112	8,206
Lincoln	110	558	699	762	835	1,446	1,626	1,702	1,358	549	1,253	10,898
Logan	232	883	1,173	1,173	1,368	2,546	2,321	3,273	2,390	756	2,177	18,292
McDowell	153	568	914	983	1,005	1,452	1,559	2,278	1,792	612	1,659	12,975
Marton	271	1,215	1,626	1,727	2,016	3,809	3,483	4,191	3,501	1,222	3,839	26,900
Marshall	192	785	1,153	1,287	1,181	1,991	2,317	2,907	2,332	790	2,353	17,288
Mason	151	630	878	873	920	1,521	1,677	2,039	1,662	699	1,674	12,724
Mercer	336	1,519	1,821	1,905	2,173	4,151	3,896	4,559	3,972	1,432	4,257	30,021
Mineral	142	626	916	1,006	1,039	1,584	1,764	1,976	1,798	696	1,703	13,250
Mingo	179	662	954	1,030	1,091	1,712	1,962	2,299	1,779	567	1,430	13,665

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Age Group Distribution by County West Virginia Population, 2000

Males

Table 3 (continued)

County of Residence	Less Than 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-29 Years	30-39 Years	40-49 Years	50-59 Years	60-64 Years	65+ Years	Total
Monongalia	435	1,585	2,170	2,126	4,266	10,694	5,585	5,490	4,103	1,329	3,508	41,291
Monroe	69	314	423	450	433	723	853	962	956	342	945	6,470
Morgan	96	349	473	482	440	780	1,067	1,152	985	415	1,104	7,343
Nicholas	136	611	836	977	1,001	1,516	1,743	2,158	1,683	673	1,649	12,983
Ohio	238	971	1,421	1,553	1,737	2,767	2,714	3,653	2,724	1,025	3,374	22,177
Pendleton	30	185	269	268	236	502	550	644	533	229	679	4,125
Pleasants	41	195	265	260	266	447	533	631	506	170	446	3,760
Pocahontas	48	178	296	308	280	523	659	758	659	300	694	4,703
Preston	150	665	916	1,077	1,188	1,676	1,974	2,378	1,907	712	1,892	14,535
Putnam	324	1,428	1,839	1,964	1,766	2,859	3,805	4,384	3,323	1,103	2,568	25,363
Raleigh	453	1,753	2,393	2,496	2,570	5,728	5,491	6,641	5,056	1,711	4,683	38,975
Randolph	159	585	944	946	1,001	1,879	2,201	2,172	1,861	728	1,746	14,222
Ritchie	43	223	342	355	371	543	724	825	688	298	658	5,070
Roane	86	369	474	528	617	928	993	1,210	1,043	431	966	7,645
Summers	59	257	373	391	474	665	749	1,042	881	352	1,110	6,353
Taylor	91	351	535	570	568	931	1,185	1,289	1,001	344	1,004	7,869
Tucker	31	142	228	203	265	360	517	533	494	226	571	3,570
Tyler	48	194	298	349	314	504	611	767	645	262	694	4,686
Upshur	110	529	778	804	1,002	1,570	1,424	1,715	1,425	543	1,454	11,354
Wayne	268	1,028	1,488	1,536	1,541	2,670	2,827	3,091	2,689	1,106	2,749	20,993
Webster	49	204	341	338	330	551	613	768	699	274	616	4,783
Wetzel	102	434	581	616	639	862	1,148	1,318	1,183	483	1,220	8,586
Wirt	27	156	215	239	224	315	428	463	347	178	347	2,939
Wood	497	2,096	2,823	3,013	2,920	5,021	6,112	6,702	5,540	2,106	5,416	42,246
Wyoming	149	618	790	867	914	1,576	1,564	2,324	1,754	601	1,492	12,649
Total	10,232	41,632	57,201	59,875	64,535	117,642	120,952	140,159	113,259	41,145	112,538	879,170

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Age Group Distribution by County West Virginia Population, 2000

Females

Table 3 (continued)

County of Residence	Less Than 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-29 Years	30-39 Years	40-49 Years	50-59 Years	60-64 Years	65+ Years	Total
Barbour	70	303	460	516	593	937	1,076	1,171	980	389	1,416	7,911
Berkeley	486	2,036	2,657	2,729	2,422	4,890	6,129	5,971	4,499	1,578	4,724	38,121
Boone	161	627	775	766	847	1,760	1,645	2,231	1,619	595	2,038	13,064
Braxton	82	314	443	517	466	774	977	1,128	887	340	1,330	7,258
Brooke	122	521	721	741	857	1,495	1,594	2,062	1,641	684	2,827	13,265
Cabell	553	2,081	2,662	2,579	3,667	8,023	6,134	7,139	5,911	2,378	9,428	50,555
Calhoun	32	173	189	242	279	360	510	600	503	186	722	3,796
Clay	68	240	351	408	387	652	715	795	573	230	802	5,221
Doddridge	36	180	223	244	276	340	519	601	438	200	610	3,667
Fayette	258	1,008	1,328	1,376	1,566	2,932	3,060	3,712	2,866	1,168	4,736	24,010
Gilmer	37	142	177	220	333	535	418	487	433	168	610	3,560
Grant	58	271	367	346	289	688	800	850	778	301	966	5,714
Greenbrier	190	713	985	1,019	1,097	1,880	2,239	2,783	2,390	1,003	3,598	17,897
Hampshire	131	490	688	720	644	1,044	1,440	1,525	1,345	515	1,574	10,116
Hancock	164	655	929	966	937	1,807	2,262	2,688	2,052	967	3,553	16,980
Hardy	64	307	420	448	370	716	942	964	822	314	1,047	6,414
Harrison	393	1,590	2,139	2,192	2,334	4,030	4,802	5,249	4,443	1,671	6,948	35,791
Jackson	159	708	899	936	903	1,652	1,992	2,166	1,719	822	2,421	14,377
Jefferson	304	1,012	1,317	1,397	1,573	2,672	3,378	3,449	2,680	890	2,645	21,317
Kanawha	1,125	4,405	5,679	5,924	5,950	12,638	13,827	17,076	13,003	5,129	20,139	104,895
Lewis	91	343	539	531	526	938	1,173	1,320	1,134	459	1,659	8,713
Lincoln	132	522	729	719	791	1,474	1,541	1,729	1,372	550	1,651	11,210
Logan	204	843	1,106	1,099	1,253	2,484	2,518	3,271	2,385	982	3,273	19,418
McDowell	140	545	778	998	949	1,577	1,828	2,347	1,765	684	2,743	14,354
Marton	298	1,115	1,604	1,645	1,955	3,895	3,686	4,153	3,690	1,423	6,234	29,698
Marshall	199	724	1,168	1,130	1,089	1,862	2,430	2,882	2,377	928	3,442	18,231
Mason	144	598	775	777	831	1,524	1,783	2,127	1,689	726	2,259	13,233
Mercer	334	1,449	1,823	1,701	2,033	4,176	4,034	4,936	4,099	1,662	6,712	32,959
Mineral	157	574	875	926	936	1,492	1,901	2,072	1,831	685	2,379	13,828
Mingo	158	653	916	945	1,073	1,871	2,115	2,414	1,720	637	2,086	14,588

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Age Group Distribution by County West Virginia Population, 2000

Females

Table 3 (continued)

County of Residence	Less Than 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-29 Years	30-39 Years	40-49 Years	50-59 Years	60-64 Years	65+ Years	Total
Monongalia	371	1,653	1,986	2,031	4,008	9,152	5,101	5,587	4,062	1,367	5,257	40,575
Monroe	74	266	377	444	409	1,125	1,413	1,284	1,051	373	1,297	8,113
Morgan	90	370	489	452	387	794	1,029	1,193	1,013	412	1,371	7,600
Nicholas	140	552	818	931	856	1,530	1,885	2,127	1,728	687	2,325	13,579
Ohio	238	1,002	1,348	1,456	1,782	3,013	3,038	3,813	2,878	1,156	5,526	25,250
Pendleton	50	175	234	277	234	421	539	630	501	229	781	4,071
Pleasants	49	156	249	234	241	420	537	580	444	168	676	3,754
Pocahontas	34	192	230	283	215	458	598	671	636	228	883	4,428
Preston	159	660	899	972	1,011	1,611	2,095	2,319	1,870	709	2,494	14,799
Putnam	314	1,298	1,743	1,805	1,648	3,000	4,081	4,434	3,386	1,124	3,393	26,226
Raleigh	446	1,705	2,288	2,393	2,490	4,978	5,023	6,424	5,074	1,907	7,517	40,245
Randolph	151	583	859	913	882	1,632	1,934	2,080	1,839	648	2,519	14,040
Ritchie	49	249	321	329	352	583	701	806	691	274	918	5,273
Roane	99	329	444	543	540	893	1,007	1,251	977	402	1,316	7,801
Summers	43	245	384	370	382	700	800	1,001	862	376	1,483	6,646
Taylor	89	333	467	562	514	920	1,157	1,276	964	403	1,535	8,220
Tucker	39	141	219	225	220	342	507	545	538	232	743	3,751
Tyler	62	199	309	350	305	471	657	756	646	266	885	4,906
Upshur	116	493	715	725	1,069	1,658	1,521	1,731	1,451	576	1,995	12,050
Wayne	248	927	1,325	1,368	1,452	2,716	3,055	3,201	2,838	1,118	3,662	21,910
Webster	42	205	294	332	335	554	609	811	648	240	866	4,936
Wetzel	82	389	565	633	580	899	1,200	1,381	1,209	528	1,641	9,107
Wirt	26	120	202	206	223	315	466	440	370	150	416	2,934
Wood	446	2,050	2,774	2,929	2,804	5,158	6,271	6,940	5,918	2,258	8,192	45,740
Wyoming	137	563	688	787	878	1,583	1,689	2,324	1,656	660	2,094	13,059
Total	9,944	39,997	53,949	56,307	61,043	116,044	124,381	143,503	114,894	44,755	164,357	929,174

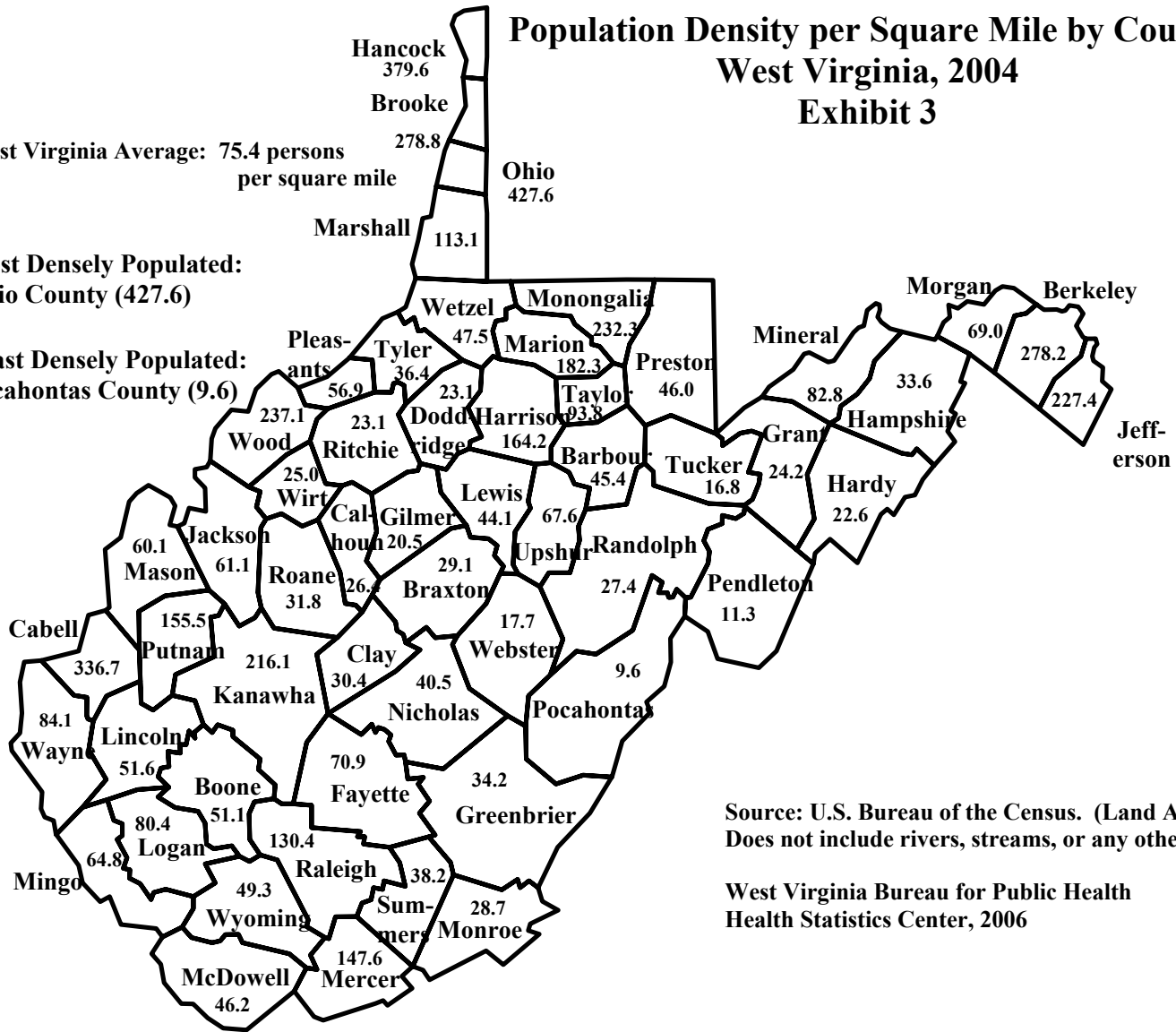
West Virginia Bureau for Public Health
Health Statistics Center, 2006

Population Density per Square Mile by County West Virginia, 2004 Exhibit 3

**West Virginia Average: 75.4 persons
per square mile**

**Most Densely Populated:
Ohio County (427.6)**

**Least Densely Populated:
Pocahontas County (9.6)**



**Source: U.S. Bureau of the Census. (Land Area Only –
Does not include rivers, streams, or any other waterways)**

**West Virginia Bureau for Public Health
Health Statistics Center, 2006**

West Virginia Average:
\$24,557

Lowest Income:
Clay County (\$15,348)



**West Virginia Bureau for Public Health
Health Statistics Center, 2006**

Births, Deaths, Natural Increase or Decrease, and Net Migration

West Virginia Population, 1950 - 2004

Table 4

Year	Population	Number of Births	Number of Deaths	Natural Increase or Decrease	Net Migration	Percent Change
1950 ^a	2,005,552	50,850	17,459	33,391	42,161	3.91
1951	1,984,000	50,920	17,058	33,862	-55,414	-1.07
1952	1,957,000	49,461	17,174	32,287	-59,287	-1.36
1953	1,929,000	46,652	16,685	29,967	-57,967	-1.43
1954	1,905,000	46,559	16,150	30,409	-54,409	-1.24
1955	1,880,000	44,199	16,712	27,487	-52,487	-1.31
1956	1,857,000	44,220	16,920	27,300	-50,300	-1.22
1957	1,843,000	44,362	17,808	26,554	-40,554	-0.75
1958	1,845,000	44,428	17,665	26,763	-24,763	0.11
1959	1,855,000	42,235	17,677	24,558	-14,558	0.54
1960 ^{ab}	1,860,421	39,696	18,040	21,656	-16,235	0.29
1961	1,828,000	38,866	17,980	20,886	-53,307	-1.74
1962	1,809,000	37,269	18,651	18,618	-37,618	-1.04
1963	1,796,000	35,573	19,405	16,168	-29,168	-0.72
1964	1,797,000	35,653	18,750	16,903	-15,903	0.06
1965	1,786,000	31,958	19,121	12,837	-23,837	-0.61
1966	1,775,000	30,084	19,339	10,745	-21,745	-0.62
1967	1,769,000	29,301	19,257	10,044	-16,044	-0.34
1968	1,763,000	29,126	19,647	9,479	-15,479	-0.34
1969	1,746,000	28,645	19,696	8,949	-25,949	-0.96
1970 ^a	1,744,237	30,194	19,924	10,270	-12,033	-0.10
1971	1,768,000	31,038	19,619	11,419	12,344	1.36
1972	1,795,000	29,200	20,583	8,617	18,383	1.53
1973	1,782,000	27,459	20,020	7,439	-20,439	-0.72
1974	1,784,000	27,636	19,395	8,241	-6,241	0.11
1975	1,803,000	27,960	19,479	8,481	10,519	1.07
1976	1,833,000	28,586	19,660	8,926	21,074	1.66
1977	1,853,000	30,020	19,201	10,819	9,181	1.09
1978	1,860,000	28,950	19,351	9,599	-2,599	0.38
1979	1,878,000	29,726	18,871	10,855	7,145	0.97
1980 ^a	1,949,644	29,438	19,178	10,260	61,384	3.81
1981	1,954,000	27,810	19,039	8,771	-4,415	0.22
1982	1,957,000	27,263	18,976	8,287	-5,287	0.15
1983	1,965,000	25,875	19,293	6,582	1,418	0.41
1984	1,952,000	24,551	19,182	5,369	-18,369	-0.66
1985	1,936,000	24,108	19,425	4,683	-20,683	-0.82
1986	1,919,000	23,179	19,859	3,320	-20,320	-0.88
1987	1,898,000	22,424	19,763	2,661	-23,661	-1.09
1988	1,877,000	21,849	19,780	2,069	-23,069	-1.11
1989 ^c	1,857,000	22,067	19,525	2,542	-22,542	-1.07
1990 ^a	1,793,477	22,582	19,360	3,222	-66,745	-3.42
1991 ^d	1,799,000	22,509	19,951	2,558	2,965	0.31
1992 ^d	1,809,000	22,156	19,696	2,460	7,540	0.56
1993 ^d	1,818,000	21,793	20,331	1,462	7,538	0.50
1994 ^d	1,823,000	21,360	19,945	1,415	3,585	0.28
1995 ^d	1,828,000	21,158	20,128	1,030	3,970	0.27
1996 ^d	1,826,000	20,744	20,314	430	-2,430	-0.11
1997 ^d	1,816,000	20,735	20,872	-137	-9,863	-0.55
1998 ^d	1,811,000	20,729	20,764	-35	-4,965	-0.28
1999 ^d	1,807,000	20,731	20,993	-262	-3,738	-0.22
2000 ^a	1,808,344	20,860	21,127	-267	1,611	0.07
2001	1,801,916	20,430	20,978	-548	-5,880	-0.36
2002	1,801,873	20,725	20,999	-274	231	-0.00
2003	1,810,354	20,986	21,299	-313	8,794	0.47
2004	1,815,354	20,911	20,776	135	4,865	0.28

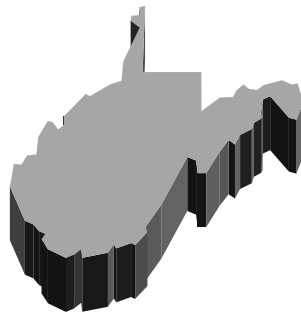
a. Enumerated as of April 1 of the specified year. (U.S. Department of Commerce, Bureau of the Census)

b. Source of data 1950 through 1960: U.S. Department of Health, Education, and Welfare, Public Health Service, Vital Statistics Rates of the United States, 1940 - 1960.

c. Source of data 1961 through 1989: U.S. Department of Commerce, Bureau of the Census, Current Population Reports. Series P-25 and P-26.

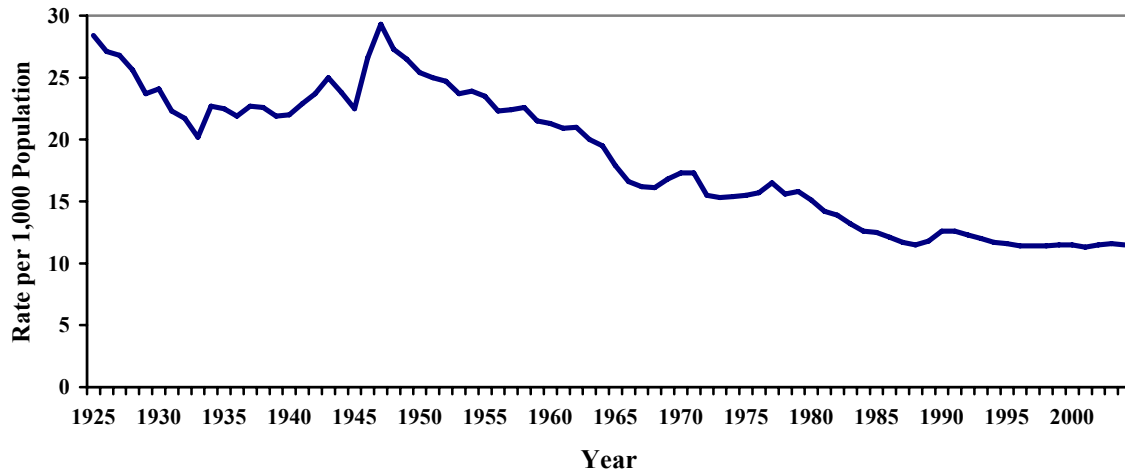
d. Source of data 1991-99 population estimates: Regional Research Institute, WVU, and U.S. Bureau of the Census.

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Health Statistics Center, 2006



West Virginia Vital Statistics
Births

**Number and Rate of Resident Births
West Virginia, 1925-2004
Exhibit 5**



Year	Number of Live Births	Rate per 1,000 Population
1925	45,240	28.4
1930	41,614	24.1
1935	41,775	22.5
1940	41,900	22.0
1945	38,446	22.5
1950	50,850	25.4
1955	44,199	23.5
1960	39,696	21.3
1965	31,958	17.9
1970	30,194	17.3
1975	27,960	15.5
1980	29,438	15.1
1985	24,108	12.5
1990	22,582	12.6
1995	21,158	11.6
2000	20,860	11.5
2001	20,430	11.3
2002	20,725	11.5
2003	20,986	11.6
2004	20,911	11.5

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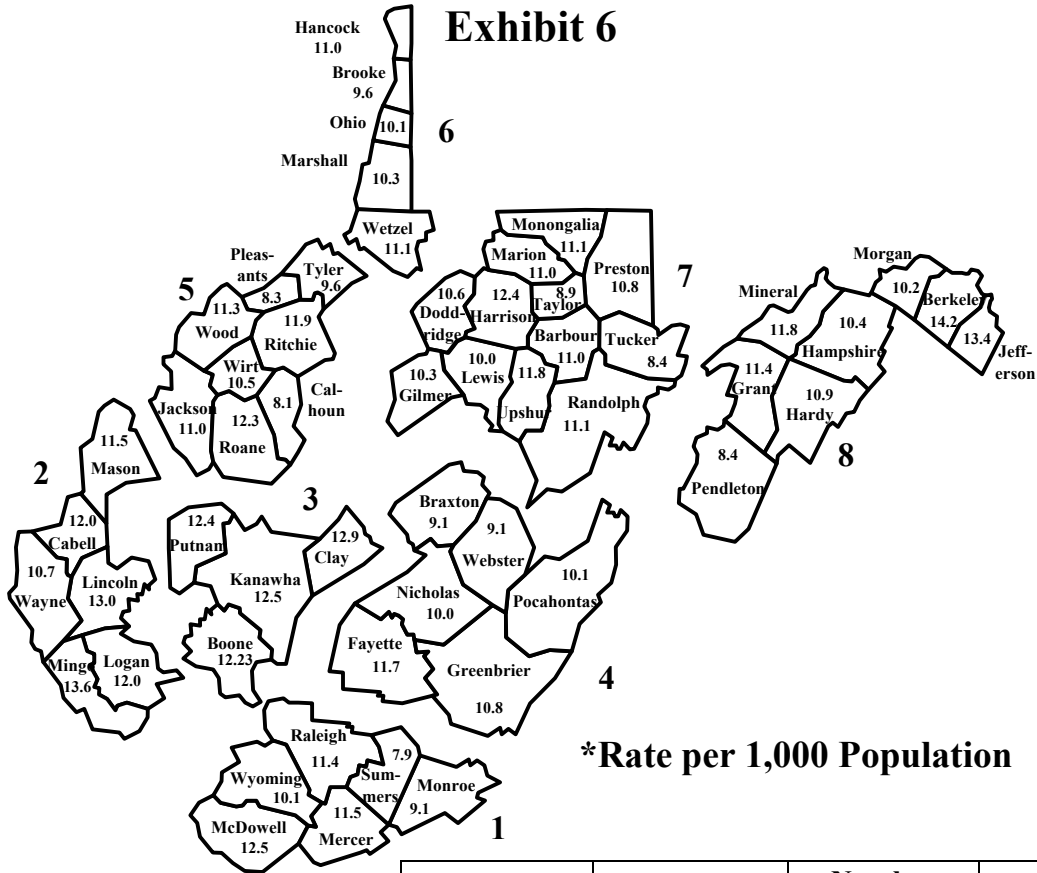
Summary Totals
West Virginia Resident Births, 2004
Table 5

	Number	Percent
Total	20,911	100.0
<u>Sex</u>		
Male	10,765	51.5
Female	10,146	48.5
<u>Race of Mother</u>		
White	19,982	95.6
Black	661	3.2
Other	268	1.3
<u>Attendant at Birth</u>		
Physician	17,958	85.9
Certified Nurse Midwife	2,496	11.9
Lay Midwife	20	0.1
EMT/Paramedic	7	0.0
Other	50	0.2
Unknown	380	1.8
<u>Place of Birth</u>		
Hospital	20,604	98.5
Freestanding Birthing Center	44	0.2
Home	51	0.2
En route to Hospital	9	0.0
Doctor's Office	2	0.0
Other Specified Address (Not Home)	9	0.0
Clinic or Center	1	0.0
Unknown	191	0.9
<u>Mother's Marital Status</u>		
White		
Married	13,302	66.6
Not Married	6,680	33.4
Black		
Married	153	23.1
Not Married	508	76.9
Other		
Married	205	76.5
Not Married	63	23.5

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Birth Rates* by District and County West Virginia Resident Births, 2004

Exhibit 6



***Rate per 1,000 Population**

District*	2004 Population**	Number of Live Births	Rate
1	218,046	2,402	11.0
2	249,712	2,992	12.0
3	285,199	3,562	12.5
4	142,005	1,508	10.6
5	171,478	1,887	11.0
6	153,472	1,588	10.3
7	361,277	4,018	11.1
8	234,165	2,954	12.6
Total	1,815,354	20,911	11.5

*Public Health Management Districts, also called
Regional Education Service Agencies (RESA Regions).

**US Department of Commerce, Bureau of the Census.

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Number of Births by County of Residence and Occurrence Birth Rate by County of Residence West Virginia, 2004 Table 6

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate			Number	Rate	
Barbour	171	11.0	0	Monongalia	929	11.1	2,114
Berkeley	1,267	14.2	866	Monroe	123	9.1	2
Boone	315	12.2	1	Morgan	162	10.2	0
Braxton	136	9.1	0	Nicholas	264	10.0	250
Brooke	237	9.6	378	Ohio	457	10.1	1,365
Cabell	1,138	12.0	3,098	Pendleton	66	8.4	0
Calhoun	60	8.1	1	Pleasants	62	8.3	0
Clay	134	12.9	0	Pocahontas	91	10.1	7
Doddridge	79	10.6	0	Preston	323	10.8	136
Fayette	551	11.7	8	Putnam	669	12.4	43
Gilmer	72	10.3	0	Raleigh	899	11.4	1,649
Grant	131	11.4	272	Randolph	316	11.1	491
Greenbrier	376	10.8	501	Ritchie	125	11.9	0
Hampshire	224	10.4	1	Roane	189	12.3	106
Hancock	348	11.0	0	Summers	109	7.9	1
Hardy	144	10.9	0	Taylor	144	8.9	0
Harrison	846	12.4	914	Tucker	59	8.4	0
Jackson	312	11.0	91	Tyler	90	9.6	0
Jefferson	641	13.4	274	Upshur	284	11.8	349
Kanawha	2,444	12.5	4,042	Wayne	452	10.6	0
Lewis	172	10.0	207	Webster	90	9.1	0
Lincoln	294	13.0	0	Wetzel	190	11.1	91
Logan	438	12.0	346	Wirt	61	10.5	0
McDowell	309	12.5	92	Wood	988	11.3	1,579
Marion	623	11.0	424	Wyoming	250	10.1	0
Marshall	356	10.3	168				
Mason	298	11.5	179				
Mercer	712	11.5	1,174	Total	20,911	11.5	21,306
Mineral	319	11.8	1				
Mingo	372	13.6	85				

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Number of Births by County of Residence
West Virginia, 2000-2004
Table 7**

County	2000	2001	2002	2003	2004	County	2000	2001	2002	2003	2004
Barbour	140	167	160	169	171	Monongalia	859	861	891	912	929
Berkeley	1,077	1,063	1,131	1,182	1,267	Monroe	132	143	137	111	123
Boone	370	336	331	329	315	Morgan	146	148	152	155	162
Braxton	156	143	166	150	136	Nicholas	285	257	264	303	264
Brooke	263	242	216	232	237	Ohio	477	506	434	483	457
Cabell	1,192	1,192	1,158	1,149	1,138	Pendleton	76	82	105	100	66
Calhoun	81	78	93	60	60	Pleasants	81	91	64	78	62
Clay	115	142	143	146	134	Pocahontas	80	78	94	88	91
Doddridge	69	68	66	72	79	Preston	278	284	341	328	323
Fayette	573	563	548	602	551	Putnam	585	637	590	679	669
Gilmer	52	62	61	49	72	Raleigh	878	876	857	887	899
Grant	149	128	109	141	131	Randolph	323	304	322	314	316
Greenbrier	384	364	381	360	376	Ritchie	112	117	120	132	125
Hampshire	231	213	218	254	224	Roane	173	156	165	184	189
Hancock	342	330	372	344	348	Summers	135	97	124	126	109
Hardy	149	139	140	147	144	Taylor	159	148	169	166	144
Harrison	781	784	793	797	846	Tucker	66	62	64	68	59
Jackson	367	336	301	319	312	Tyler	97	100	79	82	90
Jefferson	588	566	598	615	641	Upshur	248	292	291	282	284
Kanawha	2,407	2,305	2,423	2,364	2,444	Wayne	495	498	492	464	452
Lewis	192	207	175	199	172	Webster	106	88	80	105	90
Lincoln	272	251	323	294	294	Wetzel	205	173	188	198	190
Logan	504	464	476	432	438	Wirt	56	43	61	63	61
McDowell	316	291	290	298	309	Wood	1,035	1,009	1,025	1,012	988
Marion	597	596	595	654	623	Wyoming	273	283	301	285	250
Marshall	367	364	347	331	356						
Mason	308	273	288	297	298						
Mercer	788	723	745	737	712	Total	20,860	20,430	20,725	20,986	20,911
Mineral	309	330	282	281	319						
Mingo	361	377	386	377	372						

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Birthweight by Age of Mother
West Virginia Resident Births, 2004
Table 8**

Birthweight	Age of Mother										Total
	10-14 Years	15-17 Years	18-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 and Over	Unk.	
Less than 1,000 Grams (Less than 2.205 lbs.)	2	9	9	53	35	28	19	3	0	0	158
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	0	5	15	44	53	25	14	8	0	0	164
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	8	43	105	101	67	34	8	1	0	367
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	1	44	135	426	325	208	102	17	3	0	1,261
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	12	178	386	1,339	1,113	637	265	65	7	0	4,002
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	9	290	722	2,612	2,334	1,395	513	99	10	0	7,984
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	4	151	350	1,570	1,618	1,135	399	81	1	0	5,309
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	0	25	82	353	478	321	102	24	0	0	1,385
4,500 or more Grams (9.921 or more lbs.)	0	2	6	58	86	47	27	7	0	0	233
Unknown	0	0	1	7	9	6	7	14	3	1	48
Total	28	712	1,749	6,567	6,152	3,869	1,482	326	25	1	20,911

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Selected Factors by Birthweight of Infant
West Virginia Resident Births, 2004
Table 9**

Factor	Very Low Birthweight < 1,500 grams		Low Birthweight 1,500-2,499 grams		Normal Birthweight 2,500+ grams		Unknown Birthweight		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Births	322	1.5	1,628	7.8	18,913	90.4	48	0.2	20,911	100.0
Maternal Age										
< 20 Years	40	1.6	231	9.3	2,217	89.1	1	0.0	2,489	100.0
< 15 Years	2	7.1	1	3.6	25	89.3	0	0.0	28	100.0
Maternal Race										
White	298	1.5	1,543	7.7	18,119	90.7	22	0.1	19,982	100.0
Black	20	3.0	74	11.2	567	85.8	0	0.0	661	100.0
Other	4	1.5	11	4.1	227	84.7	26	9.7	268	100.0
Births with Known Prenatal Care										
First Trimester	216	1.3	1,248	7.2	15,801	91.5	2	0.0	17,267	100.0
Second Trimester	35	1.5	232	9.7	2,113	88.8	0	0.0	2,380	100.0
Third Trimester	2	0.7	27	9.0	271	90.3	0	0.0	300	100.0
No Prenatal Care	16	11.7	34	24.8	87	63.5	0	0.0	137	100.0
Gestational Age										
< 37 Weeks	311	12.1	1,027	39.9	1,238	48.0	1	0.0	2,577	100.0
37+ Weeks	11	0.1	593	3.2	17,667	96.7	3	0.0	18,274	100.0
Unknown	0	0.0	8	13.3	8	13.3	44	73.3	60	100.0
Mother's Educational Level										
8 Years or Less	9	2.0	46	10.0	406	88.1	0	0.0	461	100.0
9-11 Years	55	1.6	351	10.4	2,974	88.0	1	0.0	3,381	100.0
12 Years	131	1.6	669	8.3	7,224	90.0	7	0.1	8,031	100.0
13-15 Years	60	1.3	328	6.9	4,383	91.8	3	0.1	4,774	100.0
16+ Years	57	1.4	210	5.2	3,739	93.3	3	0.1	4,009	100.0
Unknown	10	3.9	24	9.4	187	73.3	34	13.3	255	100.0
Mother's Marital Status										
Married	203	1.5	925	6.8	12,488	91.4	44	0.3	13,660	100.0
Not Married	119	1.6	703	9.7	6,425	88.6	4	0.1	7,251	100.0

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Number and Percent of Low Birthweight (LBW) Births By County of Residence West Virginia, 2004 **Table 10**

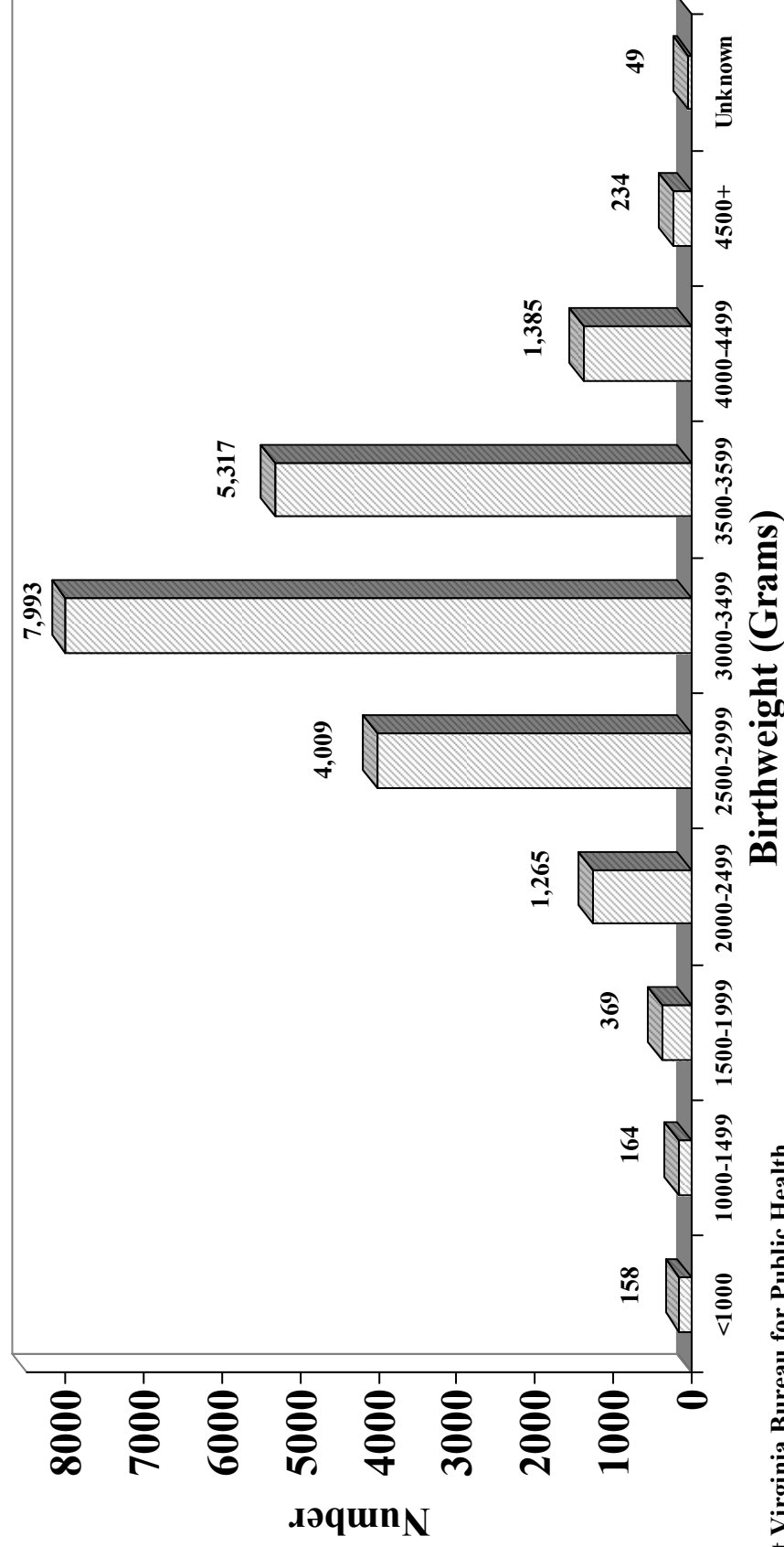
County	Number of Births	Low Birth- Weight	Percent LBW	County	Number of Births	Low Birth- Weight	Percent LBW
Barbour	171	12	7.0	Monongalia	929	70	7.5
Berkeley	1,267	89	7.0	Monroe	123	13	10.6
Boone	315	28	8.9	Morgan	162	11	6.8
Braxton	136	12	8.8	Nicholas	264	22	8.3
Brooke	237	35	14.8	Ohio	457	42	9.2
Cabell	1,138	120	10.5	Pendleton	66	4	6.1
Calhoun	60	4	6.7	Pleasants	62	13	21.0
Clay	134	8	6.0	Pocahontas	91	12	13.2
Doddridge	79	4	5.1	Preston	323	32	9.9
Fayette	551	50	9.1	Putnam	669	59	8.8
Gilmer	72	8	11.1	Raleigh	899	76	8.5
Grant	131	10	7.6	Randolph	316	23	7.3
Greenbrier	376	33	8.8	Ritchie	125	10	8.0
Hampshire	224	21	9.4	Roane	189	9	4.8
Hancock	348	35	10.1	Summers	109	15	13.8
Hardy	144	12	8.3	Taylor	144	11	7.6
Harrison	846	68	8.0	Tucker	59	4	6.8
Jackson	312	25	8.0	Tyler	90	10	11.1
Jefferson	641	38	5.9	Upshur	284	23	8.1
Kanawha	2,444	261	10.7	Wayne	452	63	13.9
Lewis	172	6	3.5	Webster	90	8	8.9
Lincoln	294	27	9.2	Wetzel	190	28	14.7
Logan	438	53	12.1	Wirt	61	7	11.5
McDowell	309	46	14.9	Wood	988	85	8.6
Marion	623	50	8.0	Wyoming	250	24	9.6
Marshall	356	43	12.1				
Mason	298	32	10.7				
Mercer	712	89	12.5	Total	20,911	1,950	9.3
Mineral	319	27	8.5				
Mingo	372	30	8.1				

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Birthweight in Grams*

West Virginia Resident Births, 2004

Exhibit 7



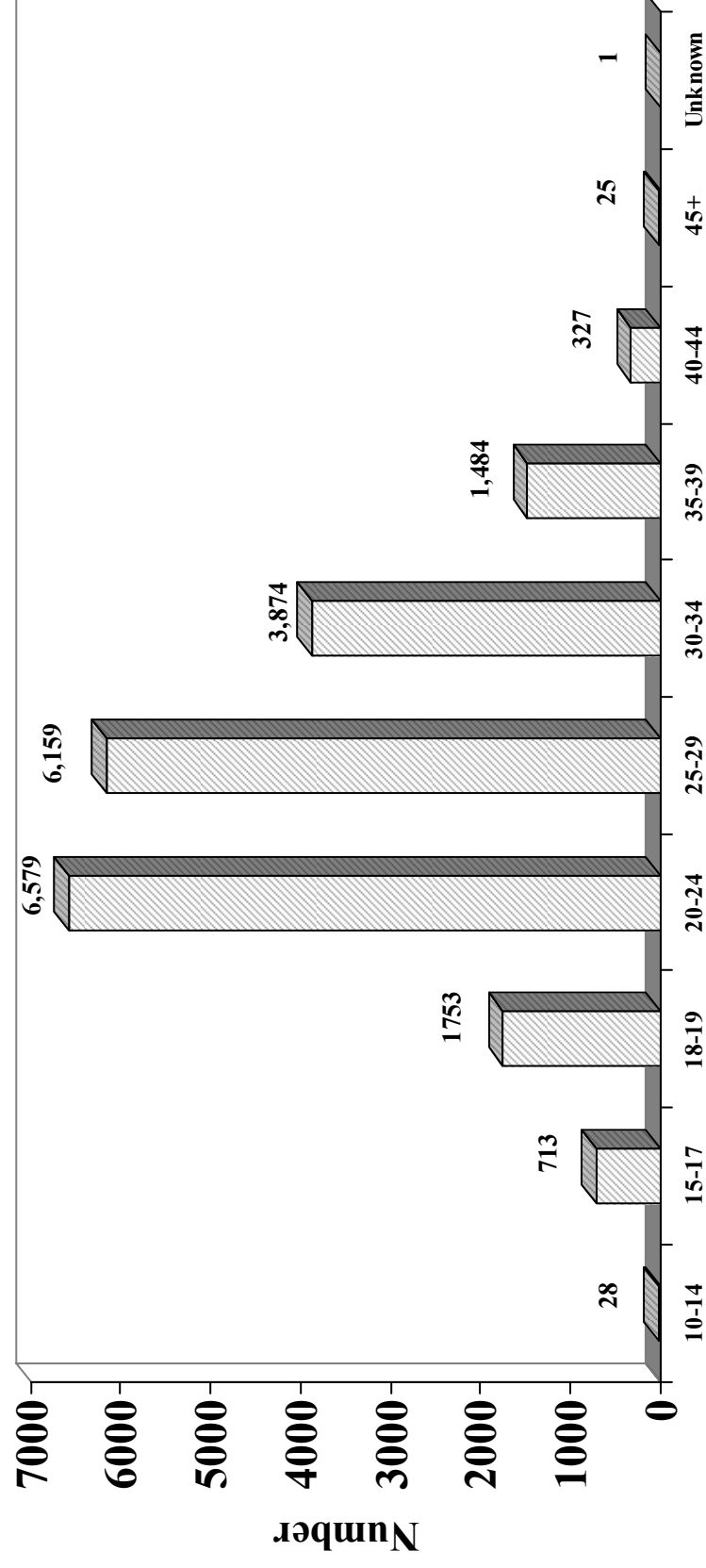
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*See Appendix D for grams/pounds conversion.

Age of Mother

West Virginia Resident Births, 2004

Exhibit 8



Age of Mother by County
West Virginia Resident Births, 2004
Table 11

County	Age of Mother										Total
	10-14 Years	15-17 Years	18-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 & Over	Unk.	
Barbour	0	4	16	54	56	25	11	4	1	0	171
Berkeley	0	47	99	370	376	244	109	22	0	0	1,267
Boone	0	12	29	109	98	48	16	3	0	0	315
Braxton	1	6	11	51	38	16	11	2	0	0	136
Brooke	0	5	10	64	78	53	24	3	0	0	237
Cabell	3	38	101	352	328	214	85	16	1	0	1,138
Calhoun	0	1	4	20	16	13	4	2	0	0	60
Clay	0	3	12	55	39	14	7	4	0	0	134
Doddridge	0	9	6	31	18	10	4	1	0	0	79
Fayette	0	16	42	190	182	94	22	5	0	0	551
Gilmer	1	2	8	14	26	19	2	0	0	0	72
Grant	1	6	10	30	49	20	14	1	0	0	131
Greenbrier	0	16	18	114	100	77	41	9	1	0	376
Hampshire	0	8	21	76	65	36	15	3	0	0	224
Hancock	0	17	28	110	97	68	23	5	0	0	348
Hardy	0	5	12	55	32	29	10	1	0	0	144
Harrison	2	38	70	259	259	144	63	10	1	0	846
Jackson	2	10	34	98	86	57	20	3	2	0	312
Jefferson	2	14	45	137	186	168	72	15	2	0	641
Kanawha	3	86	201	708	739	476	181	47	3	0	2,444
Lewis	1	3	9	68	51	21	17	2	0	0	172
Lincoln	1	13	29	121	76	33	19	1	1	0	294
Logan	0	22	42	152	132	68	15	7	0	0	438
McDowell	1	16	44	116	80	29	17	6	0	0	309
Marion	0	12	43	172	191	147	44	14	0	0	623
Marshall	0	14	31	104	112	63	28	4	0	0	356
Mason	0	8	28	115	78	52	9	8	0	0	298
Mercer	0	28	64	275	190	110	37	6	2	0	712
Mineral	0	7	29	95	90	69	25	4	0	0	319
Mingo	2	13	49	139	101	45	20	3	0	0	372
Monongalia	1	11	43	230	286	246	87	21	4	0	929
Monroe	0	1	12	42	31	26	9	2	0	0	123
Morgan	1	8	12	48	55	20	16	2	0	0	162
Nicholas	1	9	14	81	90	43	17	7	2	0	264
Ohio	1	18	31	123	131	101	39	11	1	1	457
Pendleton	0	0	3	19	21	16	5	2	0	0	66
Pleasants	0	2	5	19	14	16	5	1	0	0	62
Pocahontas	0	1	7	33	29	11	7	3	0	0	91
Preston	1	10	29	105	101	46	25	5	1	0	323
Putnam	1	13	40	173	198	171	62	9	2	0	669
Raleigh	0	34	83	270	287	161	51	13	0	0	899
Randolph	1	13	30	110	82	51	26	3	0	0	316
Ritchie	1	6	11	38	37	20	9	3	0	0	125
Roane	0	5	21	63	64	28	5	3	0	0	189
Summers	0	5	11	33	33	20	6	1	0	0	109
Taylor	0	3	16	47	44	24	7	3	0	0	144
Tucker	0	0	6	16	14	18	4	1	0	0	59
Tyler	0	0	6	32	22	19	9	2	0	0	90
Upshur	0	8	28	125	63	42	16	2	0	0	284
Wayne	0	10	54	172	129	69	15	3	0	0	452
Webster	0	1	9	34	28	15	3	0	0	0	90
Wetzel	0	12	22	67	54	16	16	3	0	0	190
Wirt	0	2	7	23	20	4	5	0	0	0	61
Wood	0	46	80	330	275	185	60	12	0	0	988
Wyoming	0	15	24	80	75	39	13	3	1	0	250
Total	28	712	1,749	6,567	6,152	3,869	1,482	326	25	1	20,911

Fertility Rates* by Age of Mother by County
West Virginia Resident Births, 2000-2004**
Table 12

County	Age of Mother										Total 15-44 Years
	10-14 Years	15-17 Years	18-19 Years	Total 15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	
Barbour	0.0	14.9	60.7	35.8	111.0	111.5	48.2	14.5	4.8	0.7	50.4
Berkeley	0.7	32.4	120.2	65.6	152.0	124.0	69.3	28.1	6.1	0.1	68.9
Boone	0.5	22.2	119.5	56.4	146.9	116.0	49.6	16.8	2.3	0.7	62.4
Braxton	0.8	22.1	89.3	45.1	157.1	96.1	45.5	18.1	2.6	0.0	54.4
Brooke	0.5	14.4	42.5	26.1	85.9	94.6	73.7	25.6	3.3	0.4	47.7
Cabell	0.5	26.7	51.8	40.6	77.3	98.5	77.3	25.5	4.2	0.3	54.4
Calhoun	0.0	15.5	111.6	45.2	136.7	142.9	32.0	9.6	5.6	0.0	50.6
Clay	0.0	20.9	102.3	48.1	169.7	119.1	48.5	13.9	4.0	0.0	63.1
Doddridge	1.6	23.0	71.0	39.1	172.1	97.1	42.1	12.3	1.9	0.0	48.5
Fayette	0.4	18.8	71.7	40.9	143.0	113.0	61.4	20.1	3.5	0.3	60.2
Gilmer	0.9	8.0	41.5	26.4	62.6	87.4	41.7	17.7	0.0	0.0	38.0
Grant	0.6	22.1	98.1	50.5	127.2	118.0	53.9	27.1	1.5	0.0	60.7
Greenbrier	0.0	18.8	79.5	41.2	132.5	99.2	72.9	25.4	5.0	0.4	56.3
Hampshire	0.3	24.2	114.4	55.3	159.0	103.3	55.7	21.8	4.3	0.3	58.1
Hancock	0.0	15.8	92.1	42.7	120.9	106.0	74.2	18.5	3.8	0.3	54.7
Hardy	0.4	17.0	93.3	44.9	144.6	98.4	63.1	19.8	5.5	0.0	56.6
Harrison	0.7	21.7	85.1	46.3	130.5	110.2	62.9	21.8	4.5	0.5	57.6
Jackson	1.1	21.5	85.0	44.5	140.1	109.5	59.8	21.3	3.0	0.8	57.3
Jefferson	1.0	21.5	67.3	42.6	104.3	123.5	91.5	39.7	8.1	0.5	64.1
Kanawha	0.7	25.0	83.3	47.9	119.2	107.1	68.6	25.4	4.8	0.3	58.1
Lewis	0.8	9.9	88.1	39.9	162.2	104.2	53.9	20.6	3.5	0.6	56.7
Lincoln	1.4	28.3	91.4	52.6	149.5	107.0	54.3	17.7	2.5	0.2	60.7
Logan	0.4	25.1	96.3	51.6	142.3	108.9	51.1	13.8	3.0	0.1	58.4
McDowell	0.8	33.6	133.3	68.3	161.2	82.4	37.4	11.5	3.5	0.0	53.9
Marion	0.0	14.5	53.4	32.5	88.1	105.0	69.1	22.0	5.1	0.1	52.7
Marshall	0.2	16.1	81.4	38.9	124.4	105.6	61.9	18.7	3.0	0.0	52.0
Mason	0.5	21.6	78.3	44.3	142.7	108.2	59.5	13.6	3.5	0.2	55.8
Mercer	0.5	30.3	86.2	54.0	129.0	100.5	54.5	17.6	2.2	0.3	58.6
Mineral	0.2	13.1	69.3	36.3	140.8	110.1	63.4	21.6	3.7	0.4	56.5
Mingo	1.5	22.8	111.1	56.8	153.8	92.0	43.7	13.5	1.7	0.0	55.9
Monongalia	0.2	12.6	18.1	16.4	35.6	90.6	91.7	34.7	6.2	1.0	42.1
Monroe	0.0	14.5	87.0	43.0	88.5	55.9	30.8	12.4	2.1	0.0	35.7
Morgan	1.3	27.8	97.8	52.2	123.5	107.0	52.7	23.3	4.7	0.0	54.3
Nicholas	0.4	17.0	72.2	37.4	133.0	101.7	46.4	17.5	4.4	0.6	51.1
Ohio	1.2	18.7	40.8	29.4	70.8	106.7	73.9	26.2	5.8	0.2	48.2
Pendleton	0.0	9.0	70.9	29.9	139.2	112.8	69.9	24.6	5.2	0.6	57.1
Pleasants	0.0	16.3	70.2	37.3	124.7	94.7	55.6	21.5	2.0	0.0	50.4
Pocahontas	0.0	17.1	96.0	44.7	141.2	103.6	47.8	19.0	4.0	1.2	52.9
Preston	0.6	13.0	84.7	36.6	128.2	109.0	56.3	19.8	2.9	0.7	52.6
Putnam	0.6	13.0	63.1	30.9	111.3	126.1	83.1	27.0	3.6	0.3	56.9
Raleigh	0.3	22.9	82.5	45.9	124.2	103.5	59.7	17.9	3.6	0.0	55.9
Randolph	0.7	21.0	93.5	49.0	137.7	102.0	59.1	21.2	2.3	0.2	57.5
Ritchie	0.6	24.9	109.9	51.7	162.1	96.8	63.8	17.6	3.2	0.0	58.3
Roane	0.7	17.9	86.0	42.2	147.4	115.8	52.5	11.3	4.3	0.3	55.8
Summers	0.0	20.6	104.6	49.2	116.0	95.2	51.5	13.2	5.8	0.0	50.0
Taylor	0.4	16.0	70.5	34.6	129.1	97.2	43.7	14.7	4.4	0.0	48.5
Tucker	0.9	14.0	66.7	29.1	105.5	96.1	64.6	25.2	3.6	0.0	47.1
Tyler	0.0	16.3	79.2	36.1	148.7	91.2	52.2	20.4	3.7	0.0	49.3
Upshur	0.6	19.2	52.9	37.8	106.3	102.5	62.1	22.3	3.2	0.0	54.4
Wayne	0.4	18.0	90.8	45.7	141.7	88.2	49.4	15.5	2.1	0.1	53.7
Webster	0.6	8.6	80.0	35.2	143.2	94.7	36.2	17.7	0.0	0.0	48.9
Wetzel	0.3	27.6	102.0	52.8	165.6	101.2	54.7	16.6	4.1	0.0	56.7
Wirt	0.0	14.1	119.4	45.7	137.5	88.9	33.8	16.2	1.6	1.1	45.1
Wood	0.1	22.6	90.5	48.2	137.4	102.6	62.7	21.4	2.7	0.1	57.1
Wyoming	0.0	24.1	95.3	50.1	134.4	95.8	45.5	15.1	1.7	0.9	52.2
Total	0.5	21.2	73.0	42.9	113.6	104.5	63.3	21.9	4.0	0.3	55.4

* Number of live births per 1,000 females in each age group. Based on the 2000 Census.
** Aggregated.

West Virginia Bureau for Public Health
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**Marital Status by Age of Mother
West Virginia Resident Births, 2000-2004
Table 13**

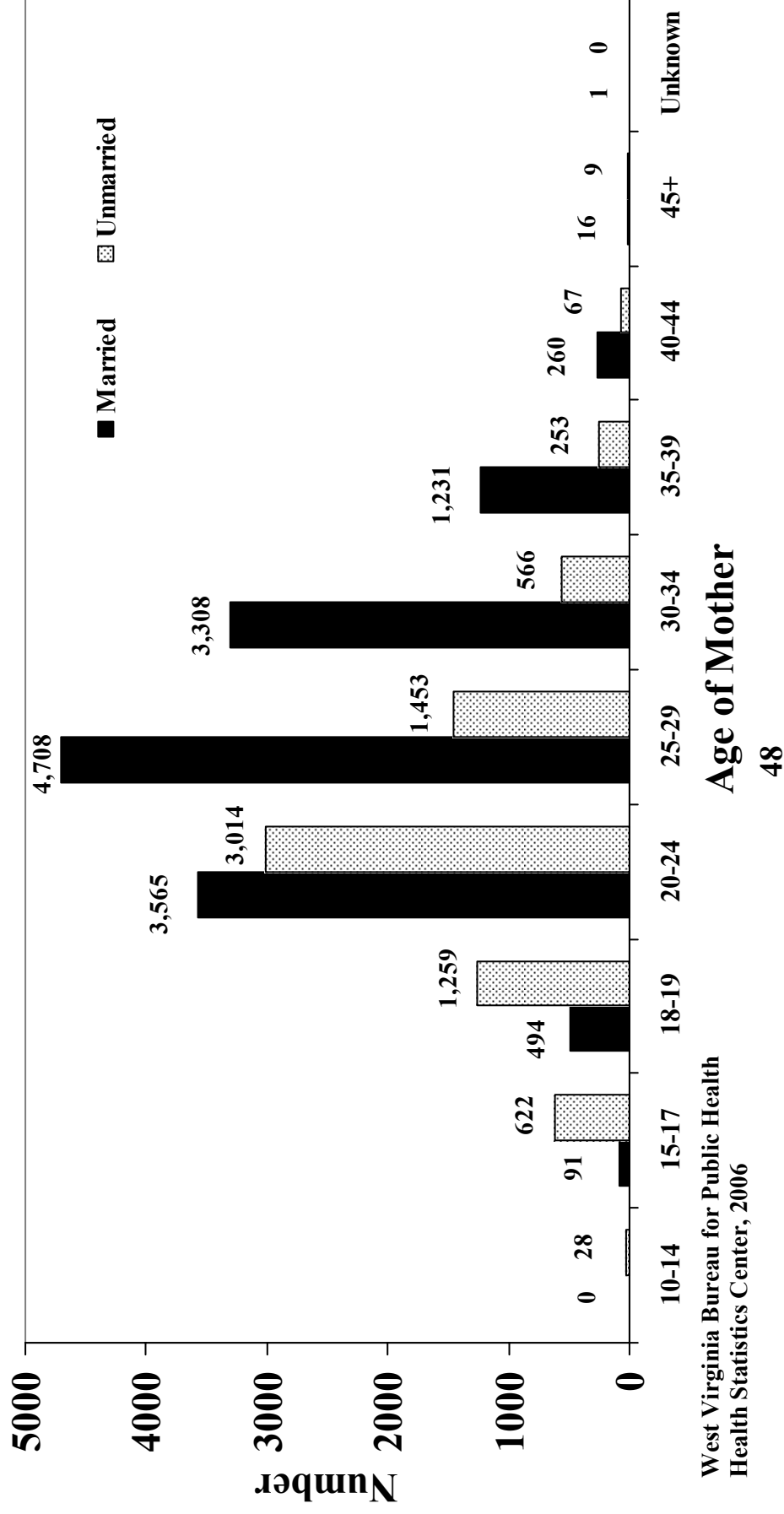
Age of Mother	2000		2001		2002		2003		2004	
	Married	Unmarried	Married	Unmarried	Married	Unmarried	Married	Unmarried	Married	Unmarried
10-14	1	28	1	27	1	22	0	34	0	28
15-17	155	658	126	648	114	621	87	624	91	621
18-19	741	1,275	633	1,234	642	1,246	529	1,302	493	1,256
20-24	4,174	2,832	3,852	2,762	3,846	2,903	3,747	3,073	3,561	3,006
25-29	4,751	1,093	4,627	1,145	4,702	1,197	4,621	1,295	4,705	1,447
30-34	2,979	446	3,048	479	3,150	529	3,279	573	3,305	564
35-39	1,219	200	1,188	219	1,224	234	1,253	257	1,229	253
40-44	227	49	234	47	224	45	231	53	259	67
45+	9	10	6	6	23	2	16	11	16	9
Unknown	9	4	104	44	0	0	0	1	1	0
Total	14,265	6,595	13,819	6,611	13,926	6,799	13,763	7,223	13,660	7,251

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Health Statistics Center, 2006

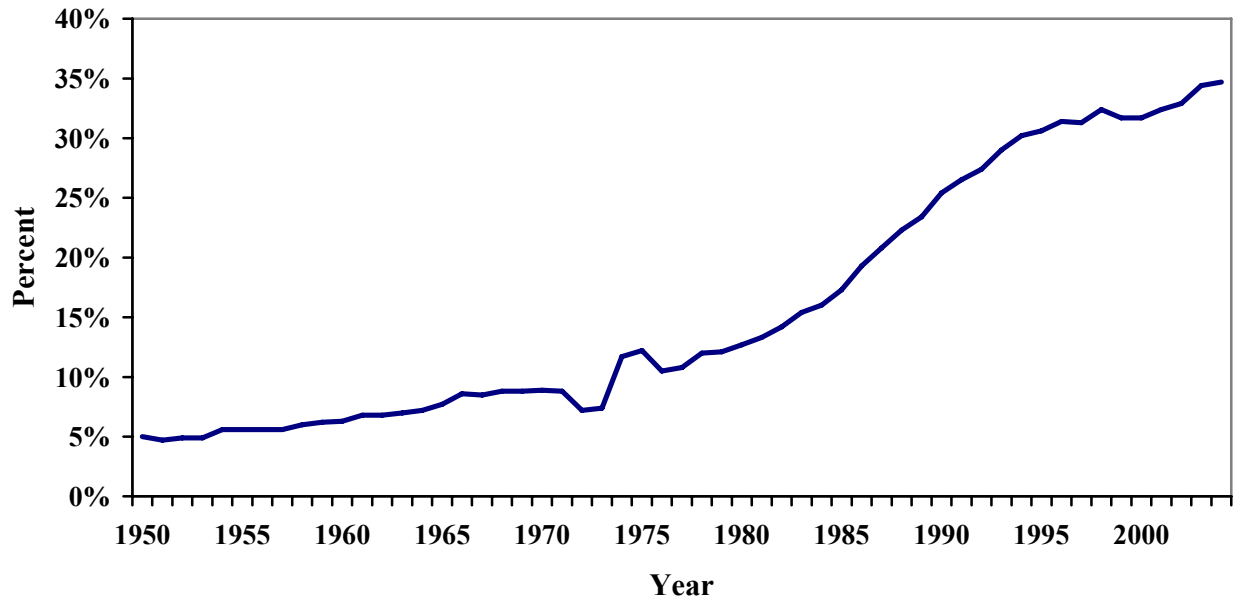
Marital Status by Age of Mother

West Virginia Resident Births, 2004

Exhibit 9



**Percent of Births to Unmarried Mothers
West Virginia Residents, 1950-2004
Exhibit 10**



Year	Births to Unmarried Mothers	Percent of Total Births
1950	2,519	5.0
1955	2,472	5.6
1960	2,485	6.3
1965	2,464	7.7
1970	2,699	8.9
1975	3,471	12.4
1980	3,743	12.7
1985	4,159	17.3
1990	5,739	25.4
1995	6,462	30.5
2000	6,595	31.6
2001	6,611	32.4
2002	6,799	32.8
2003	7,223	34.4
2004	7,251	34.7

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Selected Factors by Race of Mother
West Virginia Resident Births, 2004
Table 14**

Factor	White		Black		Other		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	19,982	95.6	661	3.2	268	1.3	20,911	100.0
<u>Low Birthweight</u>	1,841	9.2	94	14.2	15	5.6	1,950	9.3
<u>Maternal Age</u>								
Mother's < 20 Years	2,343	11.7	124	18.8	22	8.2	2,489	11.9
Mother's < 15 Years	25	0.1	2	0.3	1	0.4	28	0.1
<u>Births with Known Prenatal Care</u>								
First Trimester	16,608	86.3	470	76.3	189	82.2	17,267	86.0
Second Trimester	2,229	11.6	114	18.5	37	16.1	2,380	11.9
Third Trimester	278	1.4	18	2.9	4	1.7	300	1.5
No Prenatal Care	123	0.6	14	2.3	0	0.0	137	0.7
<u>Gestational Age</u>								
< 37 Weeks	2,461	12.3	93	14.1	23	8.6	2,577	12.3
37+ Weeks	17,489	87.5	566	85.6	219	81.7	18,274	87.4
Unknown	32	0.2	2	0.3	26	9.7	60	0.3

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Births by Month by County
West Virginia Residents, 2004
Table 15

County	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	15	17	12	15	12	13	10	14	13	12	16	22	171
Berkeley	89	101	108	132	109	101	109	112	115	101	105	85	1,267
Boone	32	25	27	23	29	20	32	23	34	27	22	21	315
Braxton	15	13	15	10	8	9	8	9	10	17	7	15	136
Brooke	18	14	13	20	27	19	24	13	23	23	17	26	237
Cabell	90	84	105	80	96	100	106	90	104	96	86	101	1,138
Calhoun	7	7	7	4	4	0	6	3	10	5	3	4	60
Clay	12	12	11	10	10	10	9	15	13	7	11	14	134
Doddridge	6	3	5	10	7	5	6	3	9	12	4	9	79
Fayette	43	47	38	52	39	45	53	43	44	56	44	47	551
Gilmer	10	4	7	8	3	7	7	3	9	6	5	3	72
Grant	11	10	10	9	12	12	9	11	15	13	6	13	131
Greenbrier	27	34	32	25	25	27	40	37	41	33	28	27	376
Hampshire	22	14	28	11	21	15	21	12	22	23	16	19	224
Hancock	29	21	26	29	21	24	40	36	36	31	19	36	348
Hardy	8	12	20	12	9	14	15	9	16	6	9	14	144
Harrison	66	65	76	45	76	74	86	69	81	79	67	62	846
Jackson	22	19	27	26	30	26	28	36	26	28	23	21	312
Jefferson	52	52	55	51	53	55	66	30	67	55	47	58	641
Kanawha	198	206	213	193	204	186	219	216	203	170	212	224	2,444
Lewis	11	12	10	10	13	17	22	12	15	23	13	14	172
Lincoln	25	31	29	28	21	22	28	28	17	17	20	28	294
Logan	38	32	37	24	45	43	45	38	40	30	32	34	438
McDowell	23	25	25	21	30	32	23	30	26	27	21	26	309
Marion	50	57	48	49	67	50	61	47	50	55	47	42	623
Marshall	30	31	26	29	35	23	25	33	40	28	31	25	356
Mason	18	27	24	29	27	31	30	22	30	20	25	15	298
Mercer	65	59	67	53	53	63	48	55	76	56	56	61	712
Mineral	29	22	23	16	29	22	31	33	24	28	33	29	319
Mingo	33	32	38	32	24	30	39	33	29	30	19	33	372
Monongalia	77	89	89	84	83	59	66	79	78	92	52	81	929
Monroe	8	6	7	10	16	15	9	11	10	11	7	13	123
Morgan	10	14	13	9	13	13	16	10	23	11	13	17	162
Nicholas	23	19	21	22	21	23	24	25	29	16	27	14	264
Ohio	40	25	32	44	42	52	35	34	43	35	44	31	457
Pendleton	8	6	5	9	4	7	3	6	3	6	3	6	66
Pleasants	5	2	5	4	5	3	11	10	7	4	5	1	62
Pocahontas	9	5	9	5	6	9	8	6	6	5	11	12	91
Preston	22	23	26	27	37	34	32	30	17	30	22	23	323
Putnam	63	46	55	62	63	47	56	59	57	67	53	41	669
Raleigh	80	61	68	80	84	88	74	61	68	89	57	89	899
Randolph	31	17	25	19	36	22	26	31	26	29	27	27	316
Ritchie	8	6	11	7	9	12	9	12	11	14	12	14	125
Roane	14	12	14	13	13	23	21	19	19	11	16	14	189
Summers	7	12	12	7	10	11	6	13	7	9	4	11	109
Taylor	13	10	8	10	12	17	14	12	13	8	15	12	144
Tucker	7	3	10	4	1	4	5	7	6	4	3	5	59
Tyler	8	7	9	7	7	5	11	5	9	8	6	8	90
Upshur	23	22	29	25	22	25	29	22	24	25	21	17	284
Wayne	24	40	33	42	47	23	38	43	48	34	45	35	452
Webster	8	5	9	11	7	5	6	6	7	6	6	14	90
Wetzel	17	12	20	18	18	15	17	22	17	16	3	15	190
Wirt	3	4	6	4	5	3	7	3	9	3	6	8	61
Wood	76	69	95	82	87	73	93	83	83	82	85	80	988
Wyoming	19	14	25	21	13	21	18	28	23	25	16	27	250
Total	1,697	1,617	1,798	1,682	1,800	1,704	1,880	1,752	1,881	1,754	1,603	1,743	20,911

**Place of Delivery, Gender of Child by Race and Marital Status of Mother,
By County
West Virginia Resident Births, 2004
Table 16**

County	Place of Delivery		White		Black		Other		Number of Births to Unmarried Mothers	Total
	Hospital*	Nonhospital**	Male	Female	Male	Female	Male	Female		
Barbour	171	0	84	87	0	0	0	0	56	171
Berkeley	1,251	16	624	561	31	37	6	8	452	1,267
Boone	313	2	165	149	1	0	0	0	102	315
Braxton	135	1	65	70	0	0	0	1	50	136
Brooke	202	35	128	108	0	0	1	0	77	237
Cabell	1,134	4	564	502	28	20	16	8	438	1,138
Calhoun	59	1	35	25	0	0	0	0	24	60
Clay	134	0	60	74	0	0	0	0	49	134
Doddridge	79	0	43	36	0	0	0	0	28	79
Fayette	541	10	252	277	9	8	2	3	190	551
Gilmer	72	0	41	30	0	0	0	1	22	72
Grant	130	1	65	65	1	0	0	0	45	131
Greenbrier	374	2	170	188	7	5	2	4	123	376
Hampshire	224	0	104	118	0	2	0	0	76	224
Hancock	294	54	179	155	5	4	0	5	145	348
Hardy	143	1	73	67	2	1	0	1	64	144
Harrison	839	7	432	392	7	8	4	3	286	846
Jackson	312	0	169	141	1	0	0	1	100	312
Jefferson	631	10	317	283	14	10	7	10	178	641
Kanawha	2,431	13	1,164	1,027	105	91	29	28	954	2,444
Lewis	172	0	93	79	0	0	0	0	65	172
Lincoln	294	0	157	135	0	2	0	0	95	294
Logan	435	3	218	210	4	6	0	0	143	438
McDowell	309	0	149	139	7	13	0	1	133	309
Marion	620	3	295	306	11	6	4	1	215	623
Marshall	353	3	185	169	0	0	2	0	131	356
Mason	298	0	139	154	0	4	1	0	110	298
Mercer	710	2	343	321	24	18	6	0	253	712
Mineral	317	2	176	132	2	3	2	4	103	319
Mingo	356	16	186	181	2	3	0	0	130	372
Monongalia	920	9	449	397	15	17	22	29	247	929
Monroe	121	2	55	67	0	0	1	0	30	123
Morgan	161	1	80	79	0	1	1	1	64	162
Nicholas	263	1	132	128	0	0	2	2	84	264
Ohio	443	14	205	219	10	15	2	6	198	457
Pendleton	66	0	34	29	1	1	1	0	18	66
Pleasants	62	0	27	35	0	0	0	0	22	62
Pocahontas	88	3	44	41	4	2	0	0	33	91
Preston	317	6	150	172	1	0	0	0	110	323
Putnam	666	3	324	328	6	4	4	3	165	669
Raleigh	894	5	419	415	29	28	4	4	285	899
Randolph	313	3	170	144	0	1	0	1	117	316
Ritchie	125	0	69	56	0	0	0	0	41	125
Roane	189	0	100	87	0	1	0	1	64	189
Summers	106	3	58	47	2	2	0	0	40	109
Taylor	144	0	74	68	0	0	1	1	49	144
Tucker	58	1	25	33	0	0	1	0	17	59
Tyler	87	3	39	50	0	1	0	0	23	90
Upshur	282	2	141	140	0	1	1	1	101	284
Wayne	449	3	242	206	0	0	1	3	151	452
Webster	90	0	46	44	0	0	0	0	28	90
Wetzel	187	3	88	101	0	0	0	1	79	190
Wirt	61	0	31	30	0	0	0	0	26	61
Wood	982	6	486	473	10	6	6	7	355	988
Wyoming	250	0	133	116	1	0	0	0	67	250
Total	20,657	254	10,296	9,686	340	321	129	139	7,251	20,911

* Includes hospitals, en route to hospitals, and birthing centers

** Includes 191 unknowns.

Trimester Prenatal Care Began by County
West Virginia Residents, 2004
Table 17

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown		Total
	Births	%	Births	%	Births	%	Births	%	Births	%	
Barbour	150	87.7	17	9.9	4	2.3	0	0.0	0	0.0	171
Berkeley	1,118	88.2	90	7.1	24	1.9	9	0.7	26	2.1	1,267
Boone	253	80.3	45	14.3	2	0.6	3	1.0	12	3.8	315
Braxton	109	80.1	18	13.2	3	2.2	1	0.7	5	3.7	136
Brooke	156	65.8	38	16.0	5	2.1	2	0.8	36	15.2	237
Cabell	1,007	88.5	103	9.1	16	1.4	5	0.4	7	0.6	1,138
Calhoun	58	96.7	0	0.0	0	0.0	0	0.0	2	3.3	60
Clay	108	80.6	12	9.0	1	0.7	0	0.0	13	9.7	134
Doddridge	72	91.1	7	8.9	0	0.0	0	0.0	0	0.0	79
Fayette	443	80.4	57	10.3	10	1.8	3	0.5	38	6.9	551
Gilmer	65	90.3	3	4.2	1	1.4	0	0.0	3	4.2	72
Grant	116	88.5	13	9.9	1	0.8	0	0.0	1	0.8	131
Greenbrier	301	80.1	38	10.1	9	2.4	3	0.8	25	6.6	376
Hampshire	198	88.4	21	9.4	4	1.8	0	0.0	1	0.4	224
Hancock	225	64.7	54	15.5	9	2.6	0	0.0	60	17.2	348
Hardy	128	88.9	11	7.6	4	2.8	1	0.7	0	0.0	144
Harrison	773	91.4	55	6.5	8	0.9	3	0.4	7	0.8	846
Jackson	254	81.4	44	14.1	7	2.2	0	0.0	7	2.2	312
Jefferson	563	87.8	57	8.9	11	1.7	2	0.3	8	1.2	641
Kanawha	1,922	78.6	300	12.3	14	0.6	21	0.9	187	7.7	2,444
Lewis	155	90.1	11	6.4	2	1.2	0	0.0	4	2.3	172
Lincoln	261	88.8	28	9.5	1	0.3	1	0.3	3	1.0	294
Logan	324	74.0	80	18.3	13	3.0	2	0.5	19	4.3	438
McDowell	196	63.4	93	30.1	8	2.6	7	2.3	5	1.6	309
Marion	522	83.8	93	14.9	2	0.3	2	0.3	4	0.6	623
Marshall	310	87.1	39	11.0	2	0.6	2	0.6	3	0.8	356
Mason	244	81.9	38	12.8	10	3.4	1	0.3	5	1.7	298
Mercer	514	72.2	151	21.2	29	4.1	10	1.4	8	1.1	712
Mineral	257	80.6	58	18.2	0	0.0	2	0.6	2	0.6	319
Mingo	183	49.2	34	9.1	7	1.9	6	1.6	142	38.2	372
Monongalia	793	85.4	109	11.7	12	1.3	3	0.3	12	1.3	929
Monroe	90	73.2	24	19.5	3	2.4	2	1.6	4	3.3	123
Morgan	130	80.2	22	13.6	6	3.7	1	0.6	3	1.9	162
Nicholas	216	81.8	30	11.4	5	1.9	2	0.8	11	4.2	264
Ohio	380	83.2	54	11.8	9	2.0	3	0.7	11	2.4	457
Pendleton	56	84.8	9	13.6	0	0.0	1	1.5	0	0.0	66
Pleasants	53	85.5	6	9.7	2	3.2	0	0.0	1	1.6	62
Pocahontas	72	79.1	11	12.1	1	1.1	2	2.2	5	5.5	91
Preston	279	86.4	27	8.4	9	2.8	2	0.6	6	1.9	323
Putnam	572	85.5	67	10.0	4	0.6	6	0.9	20	3.0	669
Raleigh	747	83.1	96	10.7	7	0.8	5	0.6	44	4.9	899
Randolph	289	91.5	18	5.7	5	1.6	2	0.6	2	0.6	316
Ritchie	111	88.8	11	8.8	2	1.6	0	0.0	1	0.8	125
Roane	157	83.1	20	10.6	1	0.5	0	0.0	11	5.8	189
Summers	90	82.6	12	11.0	0	0.0	3	2.8	4	3.7	109
Taylor	118	81.9	24	16.7	1	0.7	0	0.0	1	0.7	144
Tucker	51	86.4	7	11.9	0	0.0	0	0.0	1	1.7	59
Tyler	78	86.7	8	8.9	1	1.1	0	0.0	3	3.3	90
Upshur	259	91.2	21	7.4	1	0.4	1	0.4	2	0.7	284
Wayne	374	82.7	37	8.2	7	1.5	5	1.1	29	6.4	452
Webster	82	91.1	7	7.8	0	0.0	1	1.1	0	0.0	90
Wetzel	166	87.4	17	8.9	2	1.1	2	1.1	3	1.6	190
Wirt	53	86.9	7	11.5	0	0.0	0	0.0	1	1.6	61
Wood	866	87.7	100	10.1	13	1.3	4	0.4	5	0.5	988
Wyoming	200	80.0	28	11.2	2	0.8	6	2.4	14	5.6	250
Total	17,267	82.6	2,380	11.4	300	1.4	137	0.7	827	4.0	20,911

**Number of Prenatal Visits by County
West Virginia Resident Births, 2004
Table 18**

County	Number of Prenatal Visits												Total
	No Visits		1 - 5		6 - 10		11 - 15		16+		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Barbour	0	0.0	7	4.1	35	20.5	101	59.1	28	16.4	0	0.0	171
Berkeley	9	0.7	45	3.6	258	20.4	877	69.2	73	5.8	5	0.4	1,267
Boone	3	1.0	27	8.6	143	45.4	121	38.4	18	5.7	3	1.0	315
Braxton	1	0.7	5	3.7	47	34.6	73	53.7	9	6.6	1	0.7	136
Brooke	2	0.8	8	3.4	66	27.8	148	62.4	8	3.4	5	2.1	237
Cabell	5	0.4	27	2.4	343	30.1	678	59.6	82	7.2	3	0.3	1,138
Calhoun	0	0.0	1	1.7	13	21.7	37	61.7	9	15.0	0	0.0	60
Clay	0	0.0	14	10.4	45	33.6	58	43.3	10	7.5	7	5.2	134
Doddridge	0	0.0	0	0.0	5	6.3	51	64.6	23	29.1	0	0.0	79
Fayette	3	0.5	28	5.1	148	26.9	300	54.4	68	12.3	4	0.7	551
Gilmer	0	0.0	3	4.2	22	30.6	37	51.4	8	11.1	2	2.8	72
Grant	0	0.0	4	3.1	18	13.7	74	56.5	35	26.7	0	0.0	131
Greenbrier	3	0.8	13	3.5	53	14.1	240	63.8	64	17.0	3	0.8	376
Hampshire	0	0.0	7	3.1	41	18.3	174	77.7	2	0.9	0	0.0	224
Hancock	0	0.0	13	3.7	111	31.9	198	56.9	22	6.3	4	1.1	348
Hardy	1	0.7	6	4.2	23	16.0	91	63.2	23	16.0	0	0.0	144
Harrison	3	0.4	13	1.5	92	10.9	514	60.8	222	26.2	2	0.2	846
Jackson	0	0.0	15	4.8	103	33.0	167	53.5	26	8.3	1	0.3	312
Jefferson	2	0.3	17	2.7	126	19.7	449	70.0	42	6.6	5	0.8	641
Kanawha	21	0.9	191	7.8	1,133	46.4	839	34.3	208	8.5	52	2.1	2,444
Lewis	0	0.0	5	2.9	39	22.7	101	58.7	27	15.7	0	0.0	172
Lincoln	1	0.3	11	3.7	82	27.9	163	55.4	37	12.6	0	0.0	294
Logan	2	0.5	29	6.6	195	44.5	168	38.4	36	8.2	8	1.8	438
McDowell	7	2.3	30	9.7	116	37.5	136	44.0	19	6.1	1	0.3	309
Marion	2	0.3	8	1.3	160	25.7	401	64.4	49	7.9	3	0.5	623
Marshall	2	0.6	4	1.1	93	26.1	237	66.6	12	3.4	8	2.2	356
Mason	1	0.3	18	6.0	93	31.2	160	53.7	23	7.7	3	1.0	298
Mercer	10	1.4	42	5.9	230	32.3	356	50.0	70	9.8	4	0.6	712
Mineral	2	0.6	4	1.3	96	30.1	193	60.5	22	6.9	2	0.6	319
Mingo	6	1.6	13	3.5	94	25.3	167	44.9	83	22.3	9	2.4	372
Monongalia	3	0.3	23	2.5	198	21.3	598	64.4	100	10.8	7	0.8	929
Monroe	2	1.6	5	4.1	35	28.5	71	57.7	10	8.1	0	0.0	123
Morgan	1	0.6	11	6.8	39	24.1	106	65.4	4	2.5	1	0.6	162
Nicholas	2	0.8	7	2.7	72	27.3	138	52.3	44	16.7	1	0.4	264
Ohio	3	0.7	9	2.0	100	21.9	322	70.5	14	3.1	9	2.0	457
Pendleton	1	1.5	2	3.0	13	19.7	40	60.6	10	15.2	0	0.0	66
Pleasants	0	0.0	4	6.5	14	22.6	28	45.2	15	24.2	1	1.6	62
Pocahontas	2	2.2	10	11.0	26	28.6	39	42.9	10	11.0	4	4.4	91
Preston	2	0.6	9	2.8	64	19.8	199	61.6	49	15.2	0	0.0	323
Putnam	6	0.9	23	3.4	266	39.8	317	47.4	51	7.6	6	0.9	669
Raleigh	5	0.6	32	3.6	195	21.7	489	54.4	174	19.4	4	0.4	899
Randolph	2	0.6	14	4.4	56	17.7	181	57.3	63	19.9	0	0.0	316
Ritchie	0	0.0	4	3.2	23	18.4	75	60.0	23	18.4	0	0.0	125
Roane	0	0.0	14	7.4	61	32.3	89	47.1	19	10.1	6	3.2	189
Summers	3	2.8	9	8.3	15	13.8	59	54.1	22	20.2	1	0.9	109
Taylor	0	0.0	1	0.7	28	19.4	81	56.2	33	22.9	1	0.7	144
Tucker	0	0.0	2	3.4	11	18.6	40	67.8	5	8.5	1	1.7	59
Tyler	0	0.0	4	4.4	22	24.4	49	54.4	15	16.7	0	0.0	90
Upshur	1	0.4	4	1.4	72	25.4	159	56.0	47	16.5	1	0.4	284
Wayne	5	1.1	14	3.1	136	30.1	253	56.0	38	8.4	6	1.3	452
Webster	1	1.1	3	3.3	15	16.7	65	72.2	6	6.7	0	0.0	90
Wetzel	2	1.1	8	4.2	46	24.2	108	56.8	23	12.1	3	1.6	190
Wirt	0	0.0	4	6.6	10	16.4	37	60.7	10	16.4	0	0.0	61
Wood	4	0.4	31	3.1	144	14.6	577	58.4	226	22.9	6	0.6	988
Wyoming	6	2.4	11	4.4	53	21.2	134	53.6	43	17.2	3	1.2	250
Total	137	0.7	866	4.1	5,737	27.4	11,563	55.3	2,412	11.5	196	0.9	20,911

West Virginia Bureau for Public Health
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Prenatal Care by Mother's Race, Marital Status, and Education
West Virginia Resident Births, 2004
Table 19

Birth Characteristics	Time Prenatal Care Began					Total
	First Trimester	Second Trimester	Third Trimester	No Care	Unk.	
Mother's Race: White	16,608	2,229	278	123	744	19,982
Mother's Marital Status						
Married	11,614	1,063	115	52	458	13,302
Not Married	4,994	1,166	163	71	286	6,680
Mother's Educational Level						
8 Years and Under	299	89	20	9	28	445
9 - 11 Years	2,420	599	87	35	93	3,234
12 Years	6,341	918	93	50	329	7,731
13 - 15 Years	3,948	403	49	15	138	4,553
16 Years or More	3,465	199	26	9	110	3,809
Unknown	135	21	3	5	46	210
Mother's Race: Black	470	114	18	14	45	661
Mother's Marital Status						
Married	122	17	3	0	11	153
Not Married	348	97	15	14	34	508
Mother's Educational Level						
8 Years and Under	4	0	2	2	2	10
9 - 11 Years	82	28	3	3	10	126
12 Years	173	46	9	6	18	252
13 - 15 Years	130	26	2	2	10	170
16 Years or More	72	12	2	0	3	89
Unknown	9	2	0	1	2	14
Mother's Race: Other	189	37	4	0	38	268
Mother's Marital Status						
Married	147	22	1	0	35	205
Not Married	42	15	3	0	3	63
Mother's Educational Level						
8 Years and Under	3	3	0	0	0	6
9 - 11 Years	13	5	2	0	1	21
12 Years	33	9	1	0	5	48
13 - 15 Years	38	11	0	0	2	51
16 Years or More	100	8	1	0	2	111
Unknown	2	1	0	0	28	31

**Pregnancy Risk Factors, Cesarean Sections, Delivery Complications,
Congenital Anomalies, and/or Abnormal Conditions of the Newborn
Percent by County of Residence
West Virginia Resident Births, 2004
Table 20**

County	Pregnancy Risk Factors			Cesarean Section		1 or more Complications of Labor and/ or Delivery	1 or more Congenital Anomalies	1 or more Abnormal Conditions of the Newborn
	Alcohol Use	Tobacco Use	1 or More Medical Risk Factors	Primary	Repeat			
Barbour	0.0	26.9	29.8	15.2	10.5	28.7	2.9	4.7
Berkeley	0.9	21.9	57.6	17.9	16.0	35.1	1.5	9.6
Boone	0.0	34.0	54.9	24.4	14.0	35.9	1.6	3.5
Braxton	0.7	25.7	36.8	19.1	8.8	31.6	2.2	3.7
Brooke	0.4	19.4	30.8	22.4	13.9	32.5	0.0	3.0
Cabell	0.4	26.8	27.8	19.3	11.3	28.5	0.9	3.2
Calhoun	1.7	30.0	48.3	20.0	18.3	45.0	5.0	16.7
Clay	0.0	44.8	59.7	20.1	14.9	39.6	0.7	0.7
Doddridge	0.0	27.8	19.0	25.3	11.4	21.5	1.3	2.5
Fayette	0.2	26.1	61.5	16.7	10.5	36.1	8.9	11.4
Gilmer	0.0	16.7	25.0	15.3	5.6	23.6	1.4	4.2
Grant	0.0	22.9	29.0	22.1	16.0	39.7	0.8	1.5
Greenbrier	0.0	29.0	23.1	16.8	12.0	26.1	4.8	11.7
Hampshire	0.0	26.3	25.9	18.3	11.6	32.1	0.9	4.5
Hancock	0.6	24.4	36.5	15.8	13.5	33.6	1.7	2.3
Hardy	0.0	21.5	21.5	27.1	13.9	48.6	1.4	5.6
Harrison	0.4	23.5	23.0	23.3	16.0	25.2	1.2	3.2
Jackson	0.3	28.2	42.9	25.3	12.5	34.9	1.3	1.9
Jefferson	0.5	16.7	41.8	15.4	12.3	39.6	1.7	9.7
Kanawha	0.3	27.8	55.0	26.3	14.2	40.0	0.6	2.3
Lewis	0.0	27.3	23.8	12.8	12.8	22.1	1.2	3.5
Lincoln	1.0	37.1	33.3	26.5	13.6	31.6	0.7	1.7
Logan	0.2	40.0	42.0	22.1	15.8	33.8	0.9	3.9
McDowell	0.3	40.5	38.2	22.3	13.9	36.6	2.6	2.6
Marion	1.8	23.6	30.8	21.5	9.5	31.8	1.3	5.9
Marshall	1.1	28.4	34.8	17.7	14.3	25.8	1.1	3.4
Mason	0.3	30.9	26.2	20.5	13.4	32.2	0.7	1.3
Mercer	0.3	34.3	39.6	14.9	13.1	37.5	2.1	5.2
Mineral	0.3	17.9	38.2	19.1	13.2	33.2	2.2	5.3
Mingo	0.5	32.0	18.3	25.8	21.2	15.3	1.1	1.1

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**Pregnancy Risk Factors, Cesarean Sections, Delivery Complications,
Congenital Anomalies, and/or Abnormal Conditions of the Newborn
Percent by County of Residence
West Virginia Resident Births, 2004
Table 20 (continued)**

County	Pregnancy Risk Factors			Cesarean Section		1 or more Complications of Labor and/ or Delivery	1 or more Congenital Anomalies	1 or more Abnormal Conditions of the Newborn
	Alcohol Use	Tobacco Use	1 or More Medical Risk Factors	Primary	Repeat			
Monongalia	2.8	17.4	33.0	19.8	5.9	38.1	1.1	3.0
Monroe	1.6	27.6	33.3	13.0	10.6	28.5	2.4	7.3
Morgan	0.6	27.2	42.0	15.4	13.6	27.2	0.6	9.3
Nicholas	2.3	32.2	59.1	25.4	14.0	39.0	4.2	5.3
Ohio	1.1	22.5	31.1	18.2	12.5	29.8	2.0	3.3
Pendleton	0.0	18.2	24.2	24.2	12.1	53.0	1.5	3.0
Pleasants	0.0	24.2	35.5	25.8	19.4	35.5	3.2	3.2
Pocahontas	2.2	35.2	28.6	15.4	6.6	26.4	5.5	7.7
Preston	1.5	28.2	37.5	16.4	8.0	50.2	1.5	4.6
Putnam	0.0	18.7	44.1	25.7	15.7	38.4	0.9	2.5
Raleigh	0.1	27.1	64.4	19.0	13.9	37.9	10.3	14.6
Randolph	0.0	33.5	19.9	13.9	14.2	31.3	2.2	3.2
Ritchie	0.0	28.0	28.8	17.6	9.6	32.8	3.2	1.6
Roane	0.5	36.0	49.2	15.3	9.5	42.9	0.5	6.9
Summers	0.0	39.4	51.4	23.9	10.1	29.4	8.3	13.8
Taylor	2.1	30.6	33.3	21.5	13.9	32.6	0.7	5.6
Tucker	0.0	35.6	16.9	20.3	10.2	37.3	0.0	11.9
Tyler	0.0	26.7	38.9	20.0	15.6	37.8	0.0	1.1
Upshur	0.0	29.6	22.5	14.8	8.8	27.1	1.8	3.5
Wayne	0.0	32.7	25.0	18.6	13.7	22.6	1.3	2.0
Webster	3.3	30.0	46.7	24.4	10.0	38.9	2.2	6.7
Wetzel	0.0	30.5	40.0	14.2	16.3	35.3	1.6	5.8
Wirt	0.0	36.1	19.7	16.4	14.8	36.1	0.0	3.3
Wood	0.3	21.7	28.9	17.4	11.1	28.3	0.9	1.9
Wyoming	0.0	34.8	56.8	18.8	11.6	32.8	6.4	10.4
Total	0.6	26.8	39.8	20.2	12.9	33.8	2.1	4.9

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**Births by Method of Delivery
Number and Percent by Facility of Occurrence
West Virginia, 2004
Table 21**

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after C-Section		Total C-Section		Primary C-Section		Repeat C-Section		
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Bluefield Regional Medical Center	766	509	66.4	4	0.5	253	33.0	141	18.4	112	14.6	
CAMC - Women & Children's	3,177	1,971	62.0	11	0.3	1,195	37.6	781	24.6	414	13.0	
Cabell-Huntington Hospital	2,642	1,719	65.1	2	0.1	921	34.9	556	21.0	365	13.8	
Camden-Clark Memorial Hospital	1,271	900	70.8	9	0.7	361	28.4	210	16.5	151	11.9	
City Hospital	860	565	65.7	6	0.7	289	33.6	161	18.7	128	14.9	
Davis Memorial Hospital	490	348	71.0	5	1.0	137	28.0	71	14.5	66	13.5	
Fairmont General Hospital	424	290	68.4	1	0.2	133	31.4	96	22.6	37	8.7	
Grant Memorial Hospital	271	171	63.1	2	0.7	98	36.2	55	20.3	43	15.9	
Greenbrier Valley Hospital	499	357	71.5	25	5.0	117	23.4	59	11.8	58	11.6	
Jackson General Hospital	91	58	63.7	0	0.0	33	36.3	28	30.8	5	5.5	
Jefferson Memorial Hospital	267	201	75.3	6	2.2	60	22.5	31	11.6	29	10.9	
Logan Regional Medical Center	344	216	62.8	0	0.0	128	37.2	78	22.7	50	14.5	
Monongalia General Hospital	525	400	76.2	6	1.1	117	22.3	101	19.2	16	3.0	
New River Birthing Center	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	
Ohio Valley Medical Center	382	256	67.0	3	0.8	123	32.2	77	20.2	46	12.0	
Pleasant Valley Hospital	179	106	59.2	0	0.0	73	40.8	49	27.4	24	13.4	
Pocahontas Memorial Hospital	2	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0	
Potomac Valley Hospital	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	
Preston Memorial Hospital	134	96	71.6	4	3.0	34	25.4	23	17.2	11	8.2	
Princeton Community Hospital	408	291	71.3	8	2.0	109	26.7	63	15.4	46	11.3	

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**Births by Method of Delivery
Number and Percent by Facility of Occurrence
West Virginia, 2004
Table 21 (continued)**

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after C-Section		Total C-Section		Primary C-Section		Repeat C-Section		
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Raleigh General Hospital	1,647	1,138	69.1	12	0.7	495	30.1	282	17.1	213	12.9	
Reynolds Memorial Hospital	167	115	68.9	2	1.2	50	29.9	23	13.8	27	16.2	
Roane General Hospital	106	89	84.0	0	0.0	17	16.0	10	9.4	7	6.6	
St. Joseph’s Hospital (Upshur)	346	284	82.1	2	0.6	60	17.3	41	11.8	19	5.5	
St. Joseph’s Hospital (Wood)	304	225	74.0	9	3.0	69	22.7	45	14.8	24	7.9	
St. Mary’s Medical Center	452	323	71.5	3	0.7	126	27.9	86	19.0	40	8.8	
Stonewall Jackson Memorial Hospital	207	156	75.4	4	1.9	47	22.7	24	11.6	23	11.1	
Summersville Memorial Hospital	248	141	56.9	0	0.0	107	43.1	80	32.3	27	10.9	
Thomas Memorial Hospital	855	350	40.9	1	0.1	504	58.9	331	38.7	173	20.2	
United Hospital Center	912	547	60.0	19	2.1	346	37.9	204	22.4	142	15.6	
Weirton Medical Center	378	234	61.9	0	0.0	144	38.1	88	23.3	56	14.8	
Welch Community Hospital	92	64	69.6	0	0.0	28	30.4	20	21.7	8	8.7	
Wetzel County Hospital	91	59	64.8	0	0.0	31	34.1	14	15.4	17	18.7	
Wheeling Hospital	980	680	69.4	8	0.8	292	29.8	174	17.8	118	12.0	
Williamson Memorial Hospital	85	24	28.2	0	0.0	60	70.6	31	36.5	29	34.1	
WomanCARE, Inc.	42	41	97.6	1	2.4	0	0.0	0	0.0	0	0.0	
WVU Hospitals, Inc.	1,585	1,032	65.1	27	1.7	526	33.2	355	22.4	171	10.8	
--Nonhospital births	75	69	92.0	5	6.7	1	1.3	0	0.0	1	1.3	
Total West Virginia Occurrences	21,306	14,029	65.8	185	0.9	7,084	33.2	4,388	20.6	2,696	12.7	

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**Number and Rate of Births by City of Residence
West Virginia, 2004
Table 22**

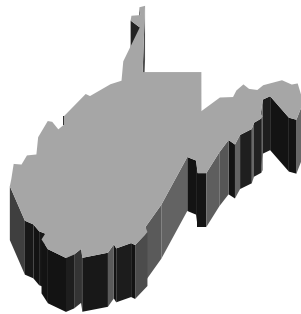
Cities with Populations of 10,000 or More	2000 Census Population	Resident Births	Rate per 1,000 Population
Beckley	16,994	313	18.4
Bluefield	11,124	182	16.4
Charleston	51,394	736	14.3
Clarksburg	16,425	279	17.0
Fairmont	18,984	222	11.7
Huntington	49,533	604	12.2
Martinsburg	15,309	440	28.7
Morgantown	27,969	518	18.5
Moundsville	9,745	105	10.8
Parkersburg	32,100	509	15.9
Saint Albans	11,167	194	17.4
South Charleston	12,933	192	14.8
Vienna	10,884	94	8.6
Weirton	19,838	183	9.2
Wheeling	30,096	338	11.2

West Virginia Bureau for Public Health
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**Out-of-State Occurrences
West Virginia Resident Births, 2000-2004
Table 23**

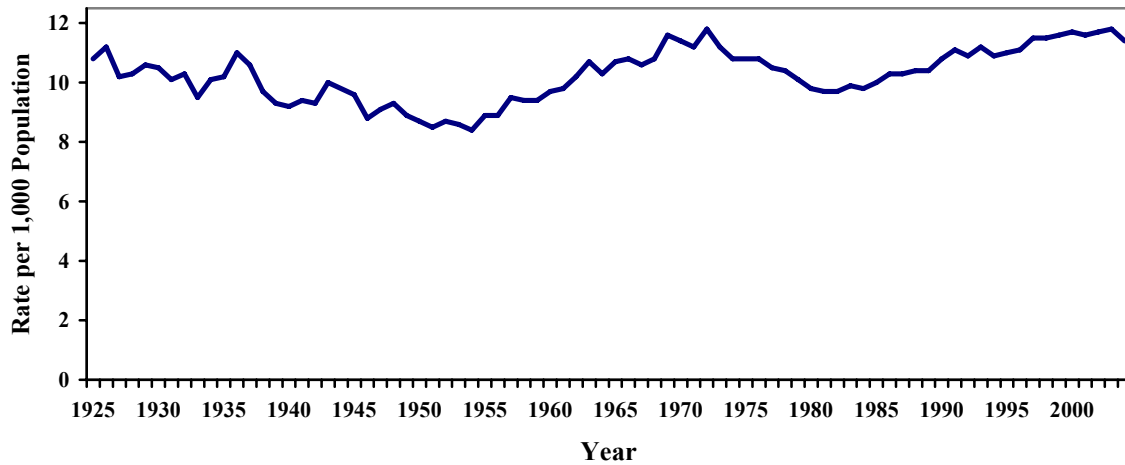
State	2000 Births	2001 Births	2002 Births	2003 Births	2004 Births
Virginia	849	849	911	962	995
Maryland	536	577	560	594	624
Ohio	322	326	365	386	372
Pennsylvania	140	113	148	139	148
Kentucky	162	174	174	172	182
All Other States	50	43	55	44	60
Total	2,059	2,082	2,213	2,297	2,381

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West Virginia Vital Statistics
Deaths

**Number and Rate of Resident Deaths
West Virginia, 1925-2004
Exhibit 11**



Year	Number of Deaths	Rate per 1,000 Population
1925	17,132	10.8
1930	18,220	10.5
1935	18,342	9.9
1940	17,577	9.2
1945	16,464	9.6
1950	17,459	8.7
1955	16,712	8.9
1960	18,040	9.7
1965	19,121	10.7
1970	19,924	11.4
1975	19,479	10.8
1980	19,178	9.8
1985	19,425	10.0
1990	19,360	10.8
1995	20,128	11.0
2000	21,127	11.7
2001	20,978	11.6
2002	20,999	11.7
2003	21,299	11.8
2004	20,776	11.4

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Number of Deaths by Race and Gender by County of Residence
West Virginia, 2004
Table 24**

County	White		Black		Other		Total
	Male	Female	Male	Female	Male	Female	
Barbour	107	82	0	1	0	0	190
Berkeley	378	344	30	14	1	0	767
Boone	166	118	1	4	0	0	289
Braxton	68	80	2	0	0	0	150
Brooke	146	183	2	1	0	0	332
Cabell	544	586	19	16	0	0	1,165
Calhoun	50	40	0	0	0	1	91
Clay	58	54	0	1	0	0	113
Doddridge	42	47	0	0	0	0	89
Fayette	276	281	14	31	0	0	602
Gilmer	41	36	1	0	0	0	78
Grant	54	62	1	1	0	0	118
Greenbrier	212	221	6	13	0	0	452
Hampshire	114	101	0	1	0	0	216
Hancock	203	214	4	2	0	1	424
Hardy	80	58	0	3	0	0	141
Harrison	408	427	6	3	0	0	844
Jackson	116	143	0	0	0	0	259
Jefferson	172	175	15	24	0	2	388
Kanawha	1,087	1,237	55	79	3	2	2,463
Lewis	97	111	0	1	0	0	209
Lincoln	143	133	0	0	0	0	276
Logan	245	214	9	6	0	1	475
McDowell	175	173	26	23	0	0	397
Marion	321	355	10	8	0	0	694
Marshall	205	189	1	0	0	1	396
Mason	146	140	2	0	0	1	289
Mercer	363	408	19	25	0	1	816
Mineral	164	134	4	2	0	0	304
Mingo	186	142	3	5	0	1	337
Monongalia	263	332	6	6	3	3	613
Monroe	75	87	0	0	0	0	162
Morgan	95	78	0	1	0	0	174
Nicholas	135	150	0	0	0	0	285
Ohio	275	314	6	5	2	0	602
Pendleton	44	55	0	0	0	0	99
Pleasants	41	44	0	0	0	0	85
Pocahontas	72	66	0	1	0	0	139
Preston	164	151	1	1	0	0	317
Putnam	228	233	2	1	0	0	464
Raleigh	374	429	27	49	1	2	882
Randolph	165	188	0	0	0	0	353
Ritchie	54	72	0	0	0	0	126
Roane	89	91	0	0	0	0	180
Summers	86	75	1	3	0	0	165
Taylor	90	105	0	0	0	0	195
Tucker	36	49	0	0	0	0	85
Tyler	60	44	0	0	0	0	104
Upshur	116	150	0	1	0	0	267
Wayne	227	218	1	0	0	0	446
Webster	65	54	0	0	0	0	119
Wetzel	126	107	1	0	0	0	234
Wirt	29	29	0	0	0	0	58
Wood	439	482	4	4	1	1	931
Wyoming	165	159	1	2	0	0	327
Total	9,880	10,250	280	338	11	17	20,776

**Number of Deaths by County of Residence and Occurrence
West Virginia, 2004
Table 25**

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	190	130	Monongalia	613	1,256
Berkeley	767	824	Monroe	162	72
Boone	289	185	Morgan	174	130
Braxton	150	125	Nicholas	285	226
Brooke	332	407	Ohio	602	978
Cabell	1,165	1,760	Pendleton	99	53
Calhoun	91	53	Pleasants	85	29
Clay	113	58	Pocahontas	139	92
Doddridge	89	37	Preston	317	211
Fayette	602	479	Putnam	464	420
Gilmer	78	37	Raleigh	882	1,073
Grant	118	133	Randolph	353	357
Greenbrier	452	452	Ritchie	126	70
Hampshire	216	131	Roane	180	138
Hancock	424	182	Summers	165	134
Hardy	141	65	Taylor	195	163
Harrison	844	958	Tucker	85	62
Jackson	259	193	Tyler	104	60
Jefferson	388	324	Upshur	267	219
Kanawha	2,463	3,013	Wayne	446	329
Lewis	209	180	Webster	119	75
Lincoln	276	131	Wetzel	234	208
Logan	475	449	Wirt	58	22
McDowell	397	238	Wood	931	1,106
Marion	694	569	Wyoming	327	124
Marshall	396	284			
Mason	289	231			
Mercer	816	958	Total	20,776 *	20,558
Mineral	304	177			
Mingo	337	188			

* Includes 1,837 West Virginia resident deaths occurring out-of-state

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**Out-of-State Occurrences
West Virginia Resident Deaths, 2000-2004
Table 26**

State	2000 Deaths	2001 Deaths	2002 Deaths	2003 Deaths	2004 Deaths
Virginia	471	503	506	463	516
Ohio	431	463	486	488	470
Maryland	304	286	310	314	267
Pennsylvania	202	211	188	216	210
Kentucky	118	119	120	146	139
North Carolina	57	63	56	69	48
Florida	56	57	50	54	57
District of Columbia	22	14	11	21	9
Tennessee	23	22	26	16	20
All Other States	109	104	92	108	101
Other Countries	0	1	0	0	0
Total	1,793	1,843	1,845	1,895	1,837

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**Number of Deaths by County of Residence
West Virginia, 2000-2004
Table 27**

County	2000	2001	2002	2003	2004	County	2000	2001	2002	2003	2004
Barbour	207	178	182	193	190	Monongalia	663	656	651	591	613
Berkeley	631	679	652	750	767	Monroe	156	138	145	153	162
Boone	307	287	307	307	289	Morgan	152	172	183	185	174
Braxton	143	171	187	200	150	Nicholas	318	279	305	294	285
Brooke	300	337	307	342	332	Ohio	602	632	580	622	602
Cabell	1,165	1,167	1,167	1,240	1,165	Pendleton	92	68	96	86	99
Calhoun	92	99	82	98	91	Pleasants	83	90	94	92	85
Clay	122	116	130	106	113	Pocahontas	111	128	112	116	139
Doddridge	98	76	79	82	89	Preston	369	298	357	340	317
Fayette	658	675	593	596	602	Putnam	445	419	450	488	464
Gilmer	86	64	79	87	78	Raleigh	964	941	970	924	882
Grant	139	126	105	111	118	Randolph	343	346	343	363	353
Greenbrier	443	466	424	438	452	Ritchie	126	125	124	140	126
Hampshire	198	190	227	210	216	Roane	180	198	170	183	180
Hancock	408	451	434	437	424	Summers	168	177	179	168	165
Hardy	126	149	138	157	141	Taylor	211	203	198	176	195
Harrison	908	873	891	870	844	Tucker	88	70	96	97	85
Jackson	309	305	316	300	259	Tyler	112	104	127	117	104
Jefferson	378	364	380	421	388	Upshur	268	262	241	271	267
Kanawha	2,504	2,553	2,510	2,469	2,463	Wayne	440	452	510	444	446
Lewis	217	207	224	245	209	Webster	114	117	118	114	119
Lincoln	280	261	240	268	276	Wetzel	225	206	212	204	234
Logan	480	497	498	470	475	Wirt	46	50	59	57	58
McDowell	435	395	375	369	397	Wood	1,043	1,001	1,002	992	931
Marion	702	803	734	797	694	Wyoming	303	276	265	310	327
Marshall	395	349	386	398	396						
Mason	315	265	283	320	289						
Mercer	799	833	837	821	816	Total	21,127	20,978	20,999	21,299	20,776
Mineral	327	316	314	305	304						
Mingo	333	318	331	365	337						

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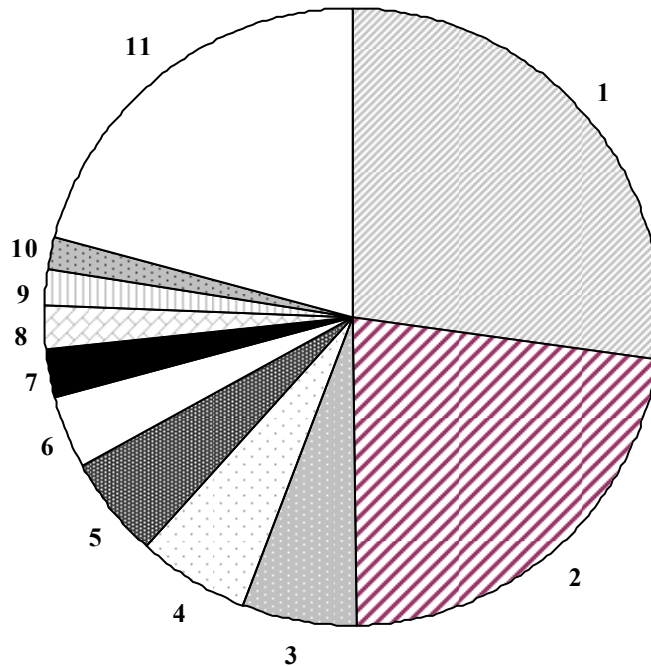
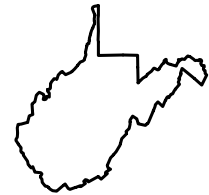
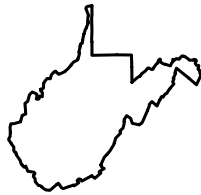
Age at Death by County of Residence
West Virginia, 2004
Table 28

County	Total	Age in Years													Average Age at Death
		< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Barbour	190	1	0	0	0	2	0	2	5	11	16	42	54	57	74.3
Berkeley	767	10	0	1	1	6	5	15	35	82	126	138	192	156	68.6
Boone	289	3	0	1	0	2	1	11	18	19	39	61	76	58	68.9
Braxton	150	0	0	1	1	2	3	3	1	9	21	32	36	41	72.0
Brooke	332	4	0	0	0	4	0	6	7	16	28	50	118	99	74.9
Cabell	1,165	9	0	1	2	4	1	21	36	75	135	190	372	319	73.3
Calhoun	91	1	0	0	0	3	1	0	2	4	9	11	25	35	74.6
Clay	113	2	1	0	0	1	2	3	5	11	10	30	28	20	67.2
Doddridge	89	0	0	0	0	0	0	1	4	2	8	23	23	28	75.9
Fayette	602	3	0	3	0	2	6	10	16	33	81	107	176	165	73.1
Gilmer	78	1	1	0	0	0	1	1	2	0	7	13	27	25	75.4
Grant	118	0	0	0	0	1	2	0	1	3	9	22	37	43	78.0
Greenbrier	452	1	0	0	1	2	7	12	15	23	41	85	133	132	73.4
Hampshire	216	3	2	1	1	6	1	3	12	18	24	38	60	47	68.1
Hancock	424	4	1	0	0	3	2	5	12	19	45	78	142	113	73.7
Hardy	141	0	1	0	0	0	2	2	2	10	13	22	48	41	74.5
Harrison	844	5	2	0	1	0	9	7	29	54	103	151	241	242	73.6
Jackson	259	5	0	0	0	0	1	2	5	10	31	66	77	62	73.5
Jefferson	388	6	0	0	0	0	4	5	20	32	57	70	107	87	70.5
Kanawha	2,463	14	3	2	4	9	18	29	70	162	281	409	796	666	73.5
Lewis	209	1	1	0	0	1	1	4	2	17	24	38	63	57	73.4
Lincoln	276	3	1	0	2	0	5	14	9	26	32	57	81	46	67.8
Logan	475	4	2	0	2	4	6	13	25	29	42	104	154	90	69.6
McDowell	397	1	1	1	1	3	3	10	16	39	71	82	101	68	68.1
Marion	694	5	1	1	1	2	10	6	17	35	63	99	237	217	75.0
Marshall	396	3	0	0	0	0	3	4	12	16	49	65	140	104	74.3
Mason	289	1	1	0	0	0	1	2	10	19	46	55	89	65	72.6
Mercer	816	7	0	1	0	4	7	14	29	56	107	156	238	197	71.9
Mineral	304	1	1	0	0	2	4	7	7	15	32	61	94	80	73.4
Mingo	337	1	1	0	1	5	2	10	19	37	37	71	94	59	68.3
Monongalia	613	3	0	1	1	1	5	7	9	43	67	109	195	172	74.2
Monroe	162	0	0	1	0	1	1	2	2	12	24	29	52	38	73.2
Morgan	174	1	0	1	0	2	1	3	7	9	25	33	47	45	72.2
Nicholas	285	0	0	0	1	4	2	5	12	22	21	61	86	71	72.2
Ohio	602	5	0	0	0	3	3	4	15	43	43	94	213	179	75.3
Pendleton	99	0	0	0	0	1	0	4	2	5	12	15	27	33	74.4
Pleasants	85	0	0	0	0	0	1	0	2	7	5	17	34	19	74.9
Pocahontas	139	4	0	0	0	0	1	2	3	12	13	29	40	35	71.7
Preston	317	3	0	0	0	5	0	2	12	20	46	62	84	83	72.1
Putnam	464	8	0	1	2	6	4	5	16	35	51	91	149	96	70.5
Raleigh	882	8	0	1	2	4	5	14	31	74	95	167	267	214	72.0
Randolph	353	2	0	3	0	1	1	8	8	22	37	59	94	118	74.3
Ritchie	126	3	0	0	0	1	0	0	3	6	18	22	33	40	73.6
Roane	180	0	0	0	0	2	2	4	7	10	23	42	43	47	71.7
Summers	165	1	0	1	0	0	3	3	4	16	26	28	35	48	71.2
Taylor	195	0	1	0	0	2	1	1	8	12	20	29	66	55	74.0
Tucker	85	0	1	0	1	0	0	3	4	1	13	14	27	21	71.7
Tyler	104	1	0	0	0	1	2	0	2	8	10	19	35	26	73.4
Upshur	267	2	1	0	0	1	4	2	6	21	30	48	66	86	73.5
Wayne	446	5	0	1	1	1	1	9	19	35	62	86	147	79	70.1
Webster	119	0	0	0	0	2	1	1	3	9	17	23	29	34	72.9
Wetzel	234	2	0	0	1	1	1	1	5	17	29	42	73	62	73.1
Wirt	58	0	0	0	1	0	0	3	2	5	5	10	18	14	71.3
Wood	931	10	1	1	0	2	6	6	31	44	98	183	297	252	73.8
Wyoming	327	1	2	2	2	1	4	10	18	33	40	69	94	51	67.7
Total	20,776	158	26	26	30	110	157	321	674	1,403	2,417	3,807	6,310	5,337	72.5

**Place Death Occurred by County of Residence
West Virginia, 2004
Table 29**

County	Place Death Occurred								Total
	Hospital	Out-of-State Hospital	En Route to Hospital	Clinic or Center	Licensed Nursing Home	Unlicensed Personal Care	Home	Other and Unk.	
Barbour	76	3	11	0	17	19	58	6	190
Berkeley	262	89	2	0	147	6	217	44	767
Boone	136	9	7	0	32	1	88	16	289
Braxton	66	4	4	0	10	0	61	5	150
Brooke	124	40	1	0	68	20	58	21	332
Cabell	579	18	13	0	192	4	323	36	1,165
Calhoun	32	0	1	11	13	1	27	6	91
Clay	50	1	1	0	11	1	40	9	113
Doddridge	36	1	2	0	13	0	37	0	89
Fayette	279	22	8	0	113	11	146	23	602
Gilmer	36	0	0	1	15	0	23	3	78
Grant	38	14	1	0	32	0	30	3	118
Greenbrier	158	31	7	0	87	10	136	23	452
Hampshire	22	62	9	0	42	3	66	12	216
Hancock	105	116	1	0	74	8	102	18	424
Hardy	31	35	0	0	24	0	42	9	141
Harrison	387	26	6	0	118	19	261	27	844
Jackson	123	8	0	0	53	2	67	6	259
Jefferson	121	75	4	0	74	6	100	8	388
Kanawha	930	41	9	0	528	50	837	68	2,463
Lewis	93	5	3	0	37	1	65	5	209
Lincoln	121	6	0	0	33	2	89	25	276
Logan	286	8	6	0	34	2	125	14	475
McDowell	159	42	18	0	39	7	111	21	397
Marion	300	12	0	0	137	22	196	27	694
Marshall	198	14	2	0	61	4	108	9	396
Mason	94	29	12	0	66	0	85	3	289
Mercer	402	41	32	0	92	20	215	14	816
Mineral	53	106	2	0	71	0	59	13	304
Mingo	128	84	4	0	22	0	88	11	337
Monongalia	267	12	1	0	112	9	193	19	613
Monroe	48	22	2	0	27	0	54	9	162
Morgan	38	39	8	0	33	1	45	10	174
Nicholas	131	12	10	0	41	3	77	11	285
Ohio	273	14	6	0	168	1	125	15	602
Pendleton	14	20	2	0	27	0	31	5	99
Pleasants	34	9	1	0	18	0	17	6	85
Pocahontas	64	17	5	0	16	0	27	10	139
Preston	129	15	4	0	48	2	110	9	317
Putnam	191	9	3	0	55	15	182	9	464
Raleigh	447	26	63	0	117	5	204	20	882
Randolph	139	6	43	0	71	11	77	6	353
Ritchie	44	2	1	1	35	0	40	3	126
Roane	89	1	3	0	30	3	49	5	180
Summers	76	3	2	0	17	5	58	4	165
Taylor	94	1	3	0	28	4	58	7	195
Tucker	19	8	4	1	17	0	34	2	85
Tyler	40	10	0	0	19	4	28	3	104
Upshur	116	4	3	0	39	13	85	7	267
Wayne	215	32	0	0	41	1	142	15	446
Webster	49	4	1	0	22	0	40	3	119
Wetzel	111	12	6	0	45	0	53	7	234
Wirt	28	3	0	0	6	0	21	0	58
Wood	443	48	4	0	185	5	221	25	931
Wyoming	162	7	14	0	36	0	101	7	327
Total	8,686	1,278	355	14	3,508	301	5,932	702	20,776

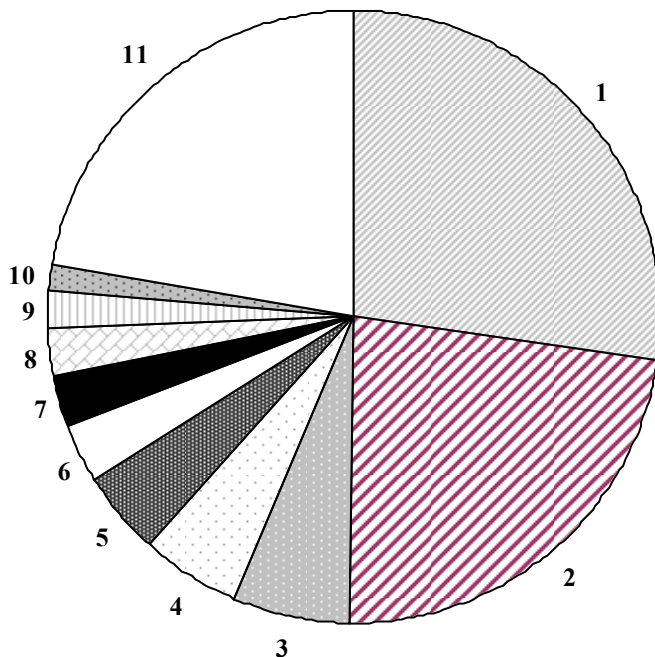
2004 West Virginia Resident Deaths **Leading Causes of Death** **Exhibit 12**



Leading Cause of Death	Number of Deaths	Percent of Total	2004 WV Crude Rate	2004 WV Age-Adjusted Rate*
1. Diseases of the Heart	5,639	27.1	310.6	259.1
2. Malignant Neoplasms	4,694	22.6	258.6	211.8
3. Chronic Lower Respiratory Disease	1,239	6.0	68.3	55.9
4. Cerebrovascular Diseases	1,197	5.8	65.9	55.1
5. Accidents	1,104	5.3	60.8	58.3
6. Diabetes Mellitus	850	4.1	46.8	38.5
7. Alzheimer's Disease	507	2.4	27.9	23.5
8. Nephritis, Nephrotic Syndrome, and Nephrosis	443	2.1	24.4	20.2
9. Influenza and Pneumonia	416	2.0	22.9	19.2
10. Septicemia	340	1.6	18.7	15.5
Total for Leading Causes	16,429	79.1	905.0	757.0
11. ALL OTHER Causes	4,347	20.9	239.5	208.2
Total for All Causes	20,776	100.0	1,144.5	965.2

*Adjusted by age from West Virginia's 2004 population estimate to the 2000 U.S. standard million.

2003 United States Resident Deaths **Leading Causes of Death** **Exhibit 13**



Leading Cause of Death*	Number of Deaths	Percent of Total	2004 U.S. Crude Rate*
1. Diseases of the Heart	654,092	27.3	222.7
2. Malignant Neoplasms	550,270	22.9	187.4
3. Cerebrovascular Diseases	150,147	6.3	51.1
4. Chronic Lower Respiratory Disease	123,884	5.2	42.2
5. Accidents	108,694	4.5	37.0
6. Diabetes Mellitus	72,815	3.0	24.8
7. Alzheimer's Disease	65,829	2.7	22.4
8. Influenza and Pneumonia	61,472	2.6	20.9
9. Nephritis, Nephrotic Syndrome, and Nephrosis	42,762	1.8	14.6
10. Septicemia	33,464	1.4	11.4
Total for Leading Causes	1,863,429	77.7	634.6
11. ALL OTHER Causes	534,914	22.3	182.2
Total for All Causes	2,398,343	100.0	816.7

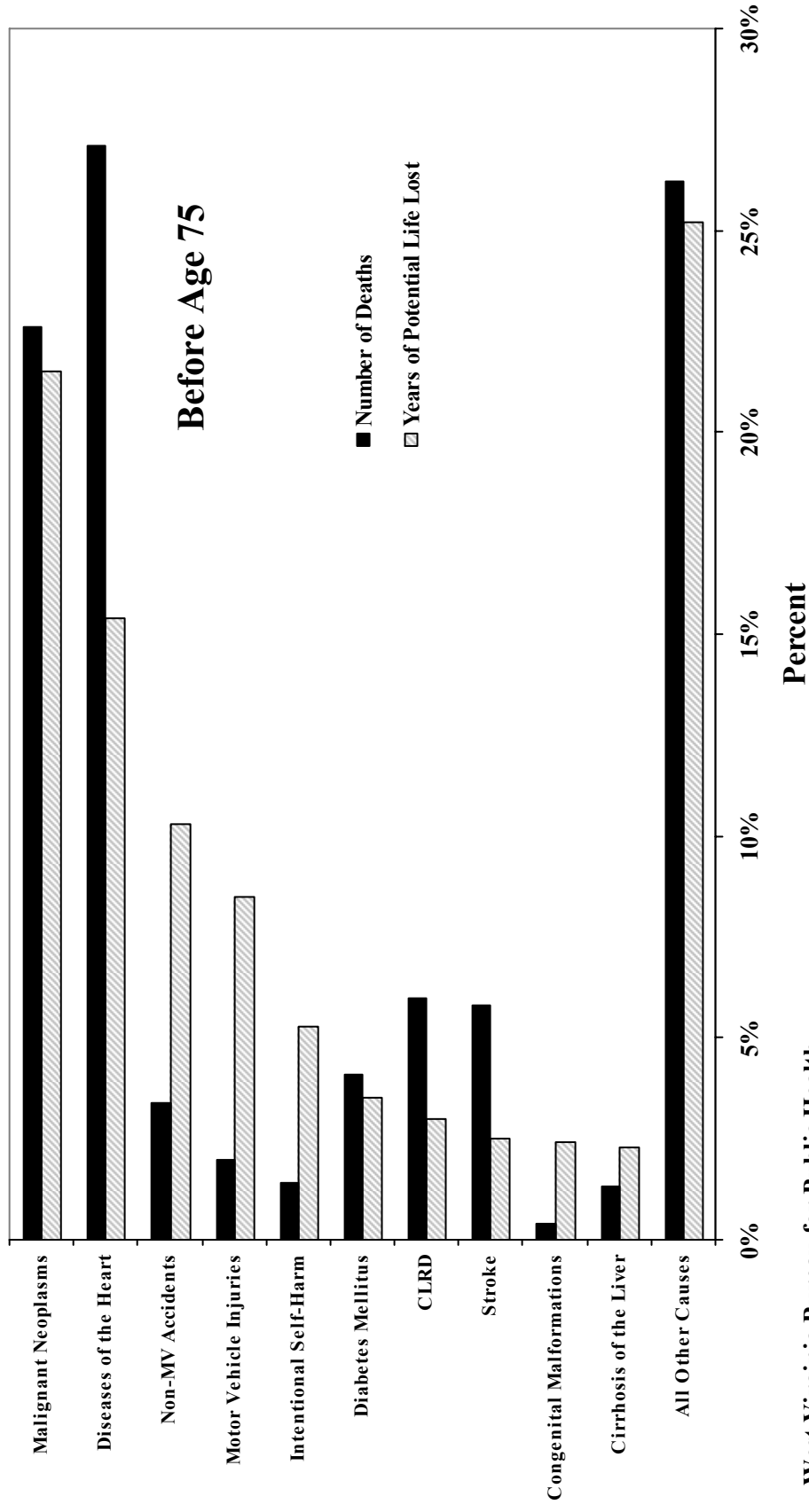
* *National Vital Statistics Reports. Deaths: Preliminary Data for 2004.* National Center for Health Statistics.
Internet address -
<http://www.cdc.gov/nchs/products/pubs/pubd/hestats/prelimdeaths04/preliminarydeaths04.htm>
West Virginia Bureau for Public Health
Health Statistics Center, 2006

Number and Percent Distribution of Leading Causes of Death By Years of Potential Life Lost Before Age 75 and Actual Deaths West Virginia Residents, 2003 and 2004 **Table 30**

Cause of Death	Years of Potential Life Lost Before Age 75						Actual Deaths	
	2004		2003		2004		2003	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Causes	160,916	100.0	161,585	100.0	20,776	100.0	21,299	100.0
Malignant Neoplasms	34,598	21.5	36,000	22.3	4,694	22.6	4,633	21.8
Diseases of the Heart	24,695	15.3	28,993	17.9	5,639	27.1	6,208	29.1
Nonmotor Vehicle Accidents	16,534	10.3	14,613	9.0	696	3.4	574	2.7
Motor Vehicle Accidents	13,735	8.5	13,066	8.1	408	2.0	392	1.8
Intentional Self-Harm	8,515	5.3	7,830	4.8	281	1.4	278	1.3
Diabetes Mellitus	5,564	3.5	5,351	3.3	850	4.1	793	3.7
Chronic Lower Respiratory Diseases	4,855	3.0	5,220	3.2	1,239	6.0	1,315	6.2
Cerebrovascular Disease	4,065	2.5	3,912	2.4	1,197	5.8	1,298	6.1
Congenital Anomalies	3,889	2.4	3,261	2.0	73	0.4	64	0.3
Chronic Liver Disease and Cirrhosis	3,745	2.3	4,021	2.5	264	1.3	250	1.2
Infectious and Parasitic Diseases, Excluding H.I.V.	3,398	2.1	2,381	1.5	441	2.1	392	1.8
Assault	2,875	1.8	3,343	2.1	79	0.4	92	0.4
Influenza and Pneumonia	1,376	0.9	1,657	1.0	416	2.0	457	2.1
Other Respiratory Conditions of Newborn	1,267	0.8	1,490	0.9	17	0.1	20	0.1
Disorders Relating to Short Gestation and Unspecified Low Birthweight	1,267	0.8	820	0.5	17	0.1	11	0.1
Sudden Infant Death Syndrome	1,118	0.7	1,341	0.8	15	0.1	18	0.1
Human Immunodeficiency Virus Infection	854	0.5	1,023	0.6	28	0.1	30	0.1
Alcohol or Drug Psychoses, Dependence or Abuse	785	0.5	787	0.5	35	0.2	41	0.2
Respiratory Distress Syndrome and Birth Asphyxia	596	0.4	522	0.3	8	0.0	7	0.0
All Other Causes (Residual)	27,188	16.9	25,956	16.1	4,379	21.1	4,426	20.8

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Distribution of Years of Potential Life Lost & Number of Deaths West Virginia Resident Deaths, 2004 Exhibit 14



Leading Causes of Resident Deaths by Age Group and Gender West Virginia, 2004 Table 31

Leading Causes of Death	Total All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	10,171	100.0	10,605	100.0	20,776	100.0
Diseases of the Heart	2,699	26.5	2,940	27.7	5,639	27.1
Malignant Neoplasms	2,471	24.3	2,223	21.0	4,694	22.6
Chronic Lower Respiratory Diseases	604	5.9	635	6.0	1,239	6.0
Cerebrovascular Disease	437	4.3	760	7.2	1,197	5.8
Accidents	702	6.9	402	3.8	1,104	5.3
Diabetes Mellitus	399	3.9	451	4.3	850	4.1
Alzheimer's Disease	137	1.3	370	3.5	507	2.4
Nephritis, Nephrotic Syndrome, and Nephrosis	200	2.0	243	2.3	443	2.1
Influenza and Pneumonia	196	1.9	220	2.1	416	2.0
Septicemia	162	1.6	178	1.7	340	1.6
Intentional Self-Harm	235	2.3	46	0.4	281	1.4
All Other Causes (Residual)	1,929	19.0	2,137	20.2	4,066	19.6

Leading Causes of Death	Under One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	89	100.0	69	100.0	158	100.0
Congenital Anomalies	19	21.3	17	24.6	36	22.8
Short Gestation and Unspecified Low Birthweight	8	9.0	9	13.0	17	10.8
Sudden Infant Death Syndrome	8	9.0	7	10.1	15	9.5
Infections Specific to the Perinatal Period	8	9.0	5	7.2	13	8.2
Complications of Placenta, Cord, and Membranes	4	4.5	7	10.1	11	7.0
Maternal Complications of Pregnancy	5	5.6	4	5.8	9	5.7
Respiratory Distress Syndrome	6	6.7	2	2.9	8	5.1
All Other Causes (Residual)	31	34.8	18	26.1	49	31.0

West Virginia Bureau for Public Health
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Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2004
Table 31 (continued)

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	11	100.0	15	100.0	26	100.0
Accidents	5	45.5	7	46.7	12	46.2
Congenital Anomalies	2	18.2	1	6.7	3	11.5
All Other Causes (Residual)	4	36.4	7	46.7	11	42.3

Leading Causes of Death	Five to Nine Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	15	100.0	11	100.0	26	100.0
Accidents	6	40.0	5	45.5	11	42.3
Malignant Neoplasms	5	33.3	1	9.1	6	23.1
All Other Causes (Residual)	4	26.7	5	45.5	9	34.6

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	21	100.0	9	100.0	30	100.0
Accidents	10	47.6	2	22.2	12	40.0
Malignant Neoplasms	3	14.3	1	11.1	4	13.3
All Other Causes (Residual)	8	38.1	6	66.7	14	46.7

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2004
Table 31 (continued)

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	181	100.0	86	100.0	267	100.0
Accidents	109	60.2	38	44.2	147	55.1
Intentional Self-Harm	31	17.1	8	9.3	39	14.6
Assault	9	5.0	5	5.8	14	5.2
Congenital Anomalies	5	2.8	4	4.7	9	3.4
Malignant Neoplasms	3	1.7	4	4.7	7	2.6
Diseases of the Heart	4	2.2	0	0.0	4	1.5
Influenza and Pneumonia	2	1.1	2	2.3	4	1.5
All Other Causes (Residual)	18	9.9	25	29.1	43	16.1

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	220	100.0	101	100.0	321	100.0
Accidents	104	47.3	44	43.6	148	46.1
Intentional Self-Harm	37	16.8	9	8.9	46	14.3
Diseases of the Heart	19	8.6	8	7.9	27	8.4
Malignant Neoplasms	14	6.4	7	6.9	21	6.5
Assault	12	5.5	5	5.0	17	5.3
Cerebrovascular Disease	3	1.4	3	3.0	6	1.9
Diabetes Mellitus	3	1.4	1	1.0	4	1.2
Septicemia	2	0.9	1	1.0	3	0.9
Chronic Liver Disease and Cirrhosis	3	1.4	0	0.0	3	0.9
All Other Causes (Residual)	23	10.5	23	22.8	46	14.3

West Virginia Bureau for Public Health
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Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2004
Table 31 (continued)

Leading Causes of Death	Thirty-Five to Forty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	445	100.0	229	100.0	674	100.0
Accidents	125	28.1	57	24.9	182	27.0
Diseases of the Heart	73	16.4	32	14.0	105	15.6
Malignant Neoplasms	44	9.9	51	22.3	95	14.1
Intentional Self-Harm	55	12.4	12	5.2	67	9.9
Cerebrovascular Disease	11	2.5	9	3.9	20	3.0
Chronic Liver Disease and Cirrhosis	17	3.8	3	1.3	20	3.0
Assault	14	3.1	5	2.2	19	2.8
Diabetes Mellitus	12	2.7	4	1.7	16	2.4
Human Immunodeficiency Virus Infection	10	2.2	2	0.9	12	1.8
Septicemia	5	1.1	3	1.3	8	1.2
Chronic Lower Respiratory Diseases	4	0.9	4	1.7	8	1.2
All Other Causes (Residual)	75	16.9	47	20.5	122	18.1

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	881	100.0	522	100.0	1,403	100.0
Malignant Neoplasms	198	22.5	177	33.9	375	26.7
Diseases of the Heart	206	23.4	86	16.5	292	20.8
Accidents	132	15.0	53	10.2	185	13.2
Diabetes Mellitus	37	4.2	29	5.6	66	4.7
Chronic Liver Disease and Cirrhosis	54	6.1	10	1.9	64	4.6
Intentional Self-Harm	38	4.3	11	2.1	49	3.5
Cerebrovascular Disease	21	2.4	16	3.1	37	2.6
Chronic Lower Respiratory Diseases	15	1.7	18	3.4	33	2.4
Nephritis, Nephrotic Syndrome, and Nephrosis	11	1.2	16	3.1	27	1.9
Septicemia	12	1.4	12	2.3	24	1.7
Influenza and Pneumonia	6	0.7	8	1.5	14	1.0
All Other Causes (Residual)	151	17.1	86	16.5	237	16.9

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Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2004
Table 31 (continued)

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,414	100.0	1,003	100.0	2,417	100.0
Malignant Neoplasms	476	33.7	403	40.2	879	36.4
Diseases of the Heart	318	22.5	175	17.4	493	20.4
Chronic Lower Respiratory Diseases	74	5.2	69	6.9	143	5.9
Diabetes Mellitus	86	6.1	50	5.0	136	5.6
Accidents	55	3.9	35	3.5	90	3.7
Cerebrovascular Disease	43	3.0	44	4.4	87	3.6
Chronic Liver Disease and Cirrhosis	55	3.9	17	1.7	72	3.0
Nephritis, Nephrotic Syndrome, and Nephrosis	22	1.6	27	2.7	49	2.0
Septicemia	24	1.7	22	2.2	46	1.9
Intentional Self-Harm	31	2.2	4	0.4	35	1.4
Hypertension	11	0.8	8	0.8	19	0.8
All Other Causes (Residual)	219	15.5	149	14.9	368	15.2

Leading Causes of Death	Sixty-Five to Seventy-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,089	100.0	1,718	100.0	3,807	100.0
Malignant Neoplasms	684	32.7	560	32.6	1,244	32.7
Diseases of the Heart	577	27.6	359	20.9	936	24.6
Chronic Lower Respiratory Diseases	152	7.3	166	9.7	318	8.4
Diabetes Mellitus	104	5.0	103	6.0	207	5.4
Cerebrovascular Disease	82	3.9	84	4.9	166	4.4
Accidents	48	2.3	36	2.1	84	2.2
Nephritis, Nephrotic Syndrome, and Nephrosis	36	1.7	47	2.7	83	2.2
Septicemia	35	1.7	39	2.3	74	1.9
Influenza and Pneumonia	34	1.6	26	1.5	60	1.6
Chronic Liver Disease and Cirrhosis	28	1.3	19	1.1	47	1.2
Alzheimer's Disease	14	0.7	23	1.3	37	1.0
All Other Causes (Residual)	295	14.1	256	14.9	551	14.5

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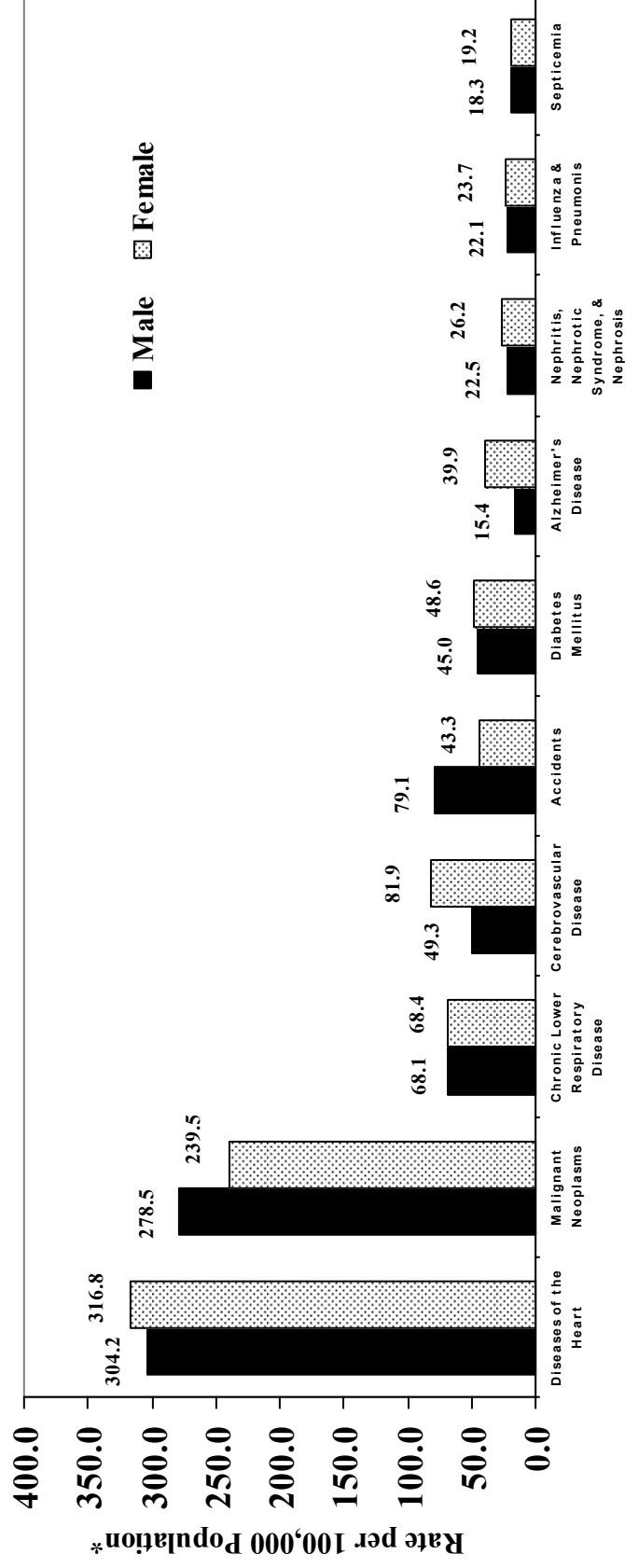
Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2004
Table 31 (continued)

Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	3,045	100.0	3,265	100.0	6,310	100.0
Diseases of the Heart	867	28.5	943	28.9	1,810	28.7
Malignant Neoplasms	789	25.9	682	20.9	1,471	23.3
Chronic Lower Respiratory Diseases	241	7.9	241	7.4	482	7.6
Cerebrovascular Disease	153	5.0	263	8.1	416	6.6
Diabetes Mellitus	110	3.6	146	4.5	256	4.1
Alzheimer's Disease	60	2.0	106	3.2	166	2.6
Nephritis, Nephrotic Syndrome, and Nephrosis	73	2.4	81	2.5	154	2.4
Influenza and Pneumonia	77	2.5	64	2.0	141	2.2
Accidents	72	2.4	67	2.1	139	2.2
Septicemia	59	1.9	53	1.6	112	1.8
Hypertension	22	0.7	40	1.2	62	1.0
All Other Causes (Residual)	522	17.1	579	17.7	1,101	17.4

Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,760	100.0	3,577	100.0	5,337	100.0
Diseases of the Heart	634	36.0	1,336	37.3	1,970	36.9
Malignant Neoplasms	253	14.4	336	9.4	589	11.0
Cerebrovascular Disease	123	7.0	340	9.5	463	8.7
Alzheimer's Disease	61	3.5	237	6.6	298	5.6
Chronic Lower Respiratory Diseases	116	6.6	136	3.8	252	4.7
Influenza and Pneumonia	60	3.4	112	3.1	172	3.2
Diabetes Mellitus	47	2.7	117	3.3	164	3.1
Nephritis, Nephrotic Syndrome, and Nephrosis	52	3.0	69	1.9	121	2.3
Accidents	36	2.0	57	1.6	93	1.7
Hypertension	19	1.1	65	1.8	84	1.6
Septicemia	25	1.4	46	1.3	71	1.3
All Other Causes (Residual)	334	19.0	726	20.3	1,060	19.9

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2004 Ten Leading Causes of Death West Virginia Resident Deaths Exhibit 15



*Rates are calculated using the 2004 Census population estimates for WV: Males = 887,302; Females = 928,052.

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**Firearm Injury Deaths by Type of Injury by County
West Virginia, 2004
Table 32**

County	Unintentional	Intentional			Undetermined	Total
		Suicide	Assault	Legal Intervention		
Barbour	0	2	0	0	0	2
Berkeley	0	6	2	0	0	8
Boone	0	1	1	0	0	2
Braxton	0	0	0	0	0	0
Brooke	0	1	0	0	0	1
Cabell	0	9	4	0	0	13
Calhoun	0	2	1	0	0	3
Clay	0	0	1	0	0	1
Doddridge	0	1	1	0	0	2
Fayette	0	6	0	0	0	6
Gilmer	0	2	0	0	0	2
Grant	0	2	0	0	0	2
Greenbrier	0	7	1	0	0	8
Hampshire	0	2	0	0	0	2
Hancock	0	2	0	0	0	2
Hardy	0	1	0	0	0	1
Harrison	0	8	2	0	0	10
Jackson	0	3	0	0	0	3
Jefferson	0	4	0	0	0	4
Kanawha	0	23	11	0	0	34
Lewis	0	2	1	0	0	3
Lincoln	0	1	1	0	0	2
Logan	0	5	1	0	0	6
McDowell	0	4	1	0	0	5
Marion	0	8	2	0	0	10
Marshall	0	2	2	0	0	4
Mason	1	3	0	0	0	4
Mercer	1	11	2	0	0	14
Mineral	0	3	0	0	0	3
Mingo	0	3	2	0	0	5
Monongalia	0	3	0	0	0	3
Monroe	0	2	0	0	0	2
Morgan	0	2	0	0	0	2
Nicholas	0	4	1	0	0	5
Ohio	1	1	3	1	0	6
Pendleton	0	0	1	1	0	2
Pleasants	0	0	0	0	0	0
Pocahontas	0	3	1	0	0	4
Preston	0	4	2	0	0	6
Putnam	0	5	1	0	0	6
Raleigh	0	6	2	1	0	9
Randolph	0	3	0	0	0	3
Ritchie	0	2	0	0	0	2
Roane	0	1	1	0	0	2
Summers	0	1	0	0	0	1
Taylor	0	2	0	0	1	3
Tucker	0	2	0	0	0	2
Tyler	0	0	0	0	0	0
Upshur	0	3	0	0	0	3
Wayne	0	5	2	0	0	7
Webster	0	1	1	0	0	2
Wetzel	0	5	0	0	0	5
Wirt	0	1	0	0	0	1
Wood	0	10	1	0	0	11
Wyoming	0	2	0	0	0	2
Total	3	192	52	3	1	251

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Types of Firearm Injury Deaths by Age Group and Gender
West Virginia Residents, 2004
Table 33

	Age in Years										Total
	0-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
Total											
Unintentional	0	0	0	0	1	1	1	0	0	0	3
Suicide	0	0	8	18	25	44	31	25	15	26	192
Assault	0	0	4	5	13	13	9	7	0	1	52
Legal Intervention	0	0	1	0	0	1	0	1	0	0	3
Undetermined	0	0	0	0	0	0	0	0	1	0	1
Total	0	0	13	23	39	59	41	33	16	27	251
Male											
Unintentional	0	0	0	0	1	1	1	0	0	0	3
Suicide	0	0	5	17	23	41	25	22	15	25	173
Assault	0	0	2	4	9	8	5	5	0	1	34
Legal Intervention	0	0	1	0	0	1	0	1	0	0	3
Undetermined	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	8	21	33	51	31	28	15	26	213
Female											
Unintentional	0	0	0	0	0	0	0	0	0	0	0
Suicide	0	0	3	1	2	3	6	3	0	1	19
Assault	0	0	2	1	4	5	4	2	0	0	18
Legal Intervention	0	0	0	0	0	0	0	0	0	0	0
Undetermined	0	0	0	0	0	0	0	0	1	0	1
Total	0	0	5	2	6	8	10	5	1	1	38

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**Nontransport Unintentional Injury Deaths by
Place of Occurrence and Gender
West Virginia Residents, 2004
Table 34**

Place of Occurrence	Male	Female	Total
Home	219	146	365
Mine and Quarry	7	0	7
Recreational Places	1	0	1
Street and Highway	3	0	3
Other Specified Places	132	57	189
Unspecified Places	39	42	81
Total	401	245	646

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Fetal Deaths, Neonatal Deaths, and Postneonatal Deaths: Number and Rate/Ratio
West Virginia Resident Deaths, 1925-2004**

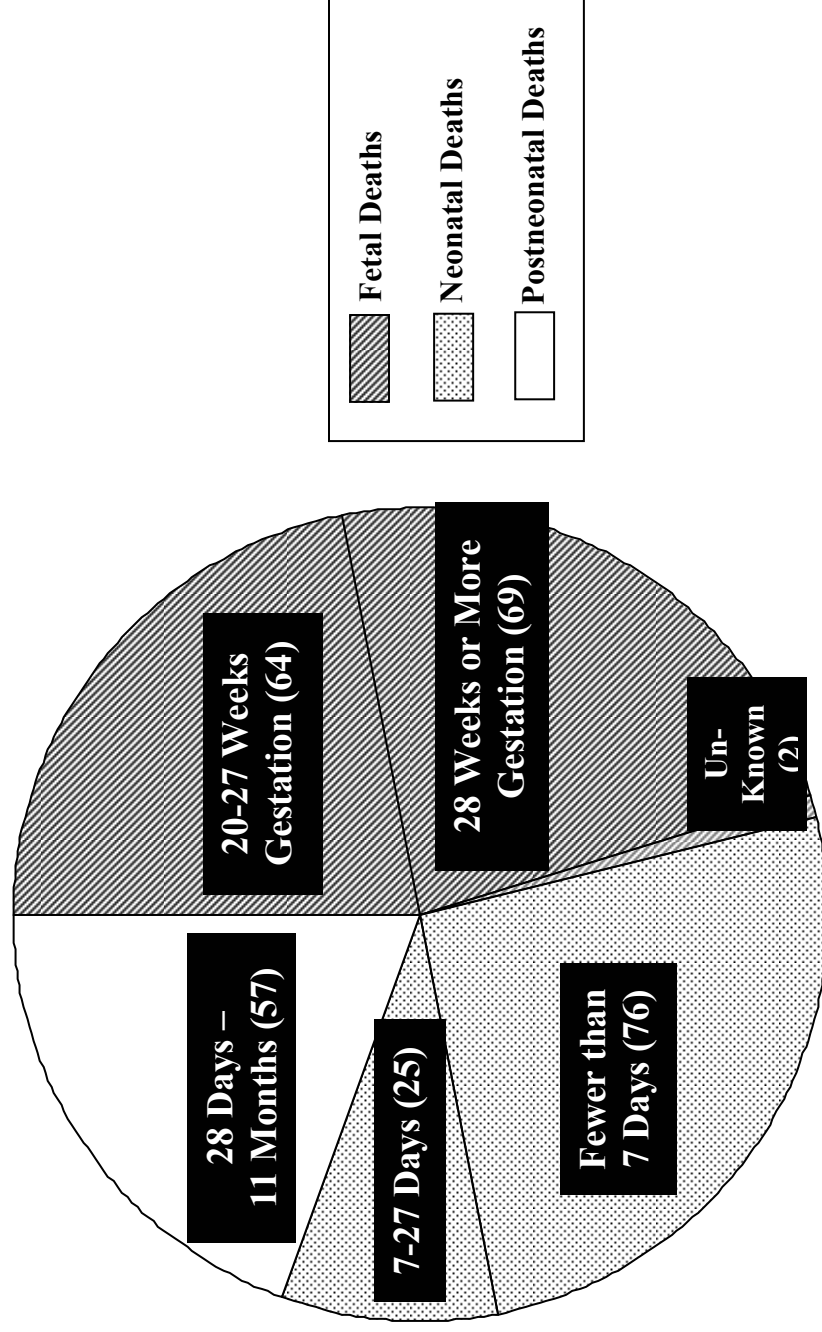
Table 35

Year	Fetal Deaths		Neonatal Deaths		Postneonatal Deaths	
	Number	Ratio per 1,000 Live Births	Number	Rate per 1,000 Live Births	Number	Rate per 1,000 Neonatal Survivors*
1925	1,740	38.5	N/A	N/A	N/A	N/A
1930	1,547	37.2	N/A	N/A	N/A	N/A
1935	1,647	39.4	1,467	35.1	1,071	25.6
1940	1,483	35.4	1,321	31.5	937	22.4
1945	1,594	41.5	1,085	28.2	928	24.1
1950	1,126	22.1	1,184	23.3	665	13.1
1955	813	18.4	847	19.2	351	7.9
1960	583	14.7	713	18.0	292	7.4
1965	575	18.0	649	20.3	218	6.8
1970	513	17.0	542	17.9	163	5.4
1975	323	11.6	385	13.8	128	4.6
1980	275	9.3	235	8.0	112	3.8
1985	208	8.6	175	7.3	82	3.4
1990	168	7.4	142	6.3	80	3.5
1995	143	6.8	103	4.9	57	2.7
2000	142	6.8	103	4.9	56	2.7
2001	153	7.5	110	5.4	39	1.9
2002	140	6.8	109	5.3	79	3.8
2003	129	6.1	95	4.5	58	2.8
2004	135	6.5	101	4.8	57	2.7

*Neonatal survivors are live births minus neonatal deaths.

Fetal Deaths, Neonatal Deaths, and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2004

Exhibit 16



Causes of Resident Infant Deaths by Age West Virginia, 2004 Table 36

ICDA 10 Code Number	Cause of Death	Under 1 Day	1 to 6 Days	7 to 27 Days	28 Days to 11 Months	Total
A00-Z99	Total Deaths, All Causes	57	19	25	57	158
C00-C97	Malignant Neoplasms	0	0	0	1	1
D00-D48	Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Unspecified Nature	0	0	0	1	1
D50-D77	Diseases of Blood and Blood Forming Organs	0	1	0	0	1
G04-H95	Other Diseases of Nervous System and Sense Organs	0	0	0	2	2
Q00-Q99	Congenital Anomalies (Malformations)	11	3	7	15	36
Q01-Q04,	Anencephalus and Similar Anomalies	2	0	0	0	2
Q06-Q07	Other Congenital Anomalies of Nervous System	0	0	0	2	2
Q20-Q24	Congenital Anomalies of Heart	1	1	4	6	12
Q25-Q28	Other Congenital Anomalies of Circulatory System	0	0	1	1	2
Q30-Q34	Congenital Anomalies of Respiratory System	4	0	1	3	8
Q35-Q45	Congenital Anomalies of Digestive System	0	0	0	3	3
Q65-Q79	Congenital Anomalies of Musculoskeletal System	1	2	0	0	3
Q90-Q99	Chromosomal Anomalies	0	0	1	0	1
Q80-Q89	Other and Unspecified Congenital Anomalies	3	0	0	0	3
P00-P96	Certain Conditions Originating in the Perinatal Period	45	14	10	16	85
P00	Newborn Affected by Maternal Conditions Which May Be Unrelated to Present Pregnancy	0	1	0	0	1
P01	Newborn Affected by Maternal Complications of Pregnancy	8	1	0	0	9
P02	Newborn Affected by Complications of Placenta, Cord, and Membranes	10	1	0	0	11
P03	Newborn Affected by Other Complications of Labor and Delivery	1	0	0	0	1
P07	Disorders Relating to Short Gestation and Unspecified Low Birthweight	17	0	0	0	17
P22.0	Respiratory Distress Syndrome	1	4	2	1	8
P35-P39	Infections Specific to the Perinatal Period	1	2	5	5	13
P50-P54	Neonatal Hemorrhage	0	1	0	0	1
P90-P96	Other Disorders Originating in Perinatal Period	1	0	0	0	1
R00-R99	Symptoms, Signs, and Ill-Defined Conditions	1	0	4	12	17
R95	Sudden Infant Death Syndrome	0	0	3	12	15
V01-Y98	External Causes of Injury and Poisoning	0	1	4	8	13
V01-X59, Y85-Y86 W65-W84	Accidents	0	0	0	1	1
X85-Y09	Accidents Caused by Submersion, Suffocation, and Foreign Bodies	0	0	0	1	1
Residual	Assault	0	0	0	1	1
	All Other Causes (Residual)	0	0	0	2	2

Causes of Resident Infant Deaths by Birthweight
West Virginia, 2004
Table 37

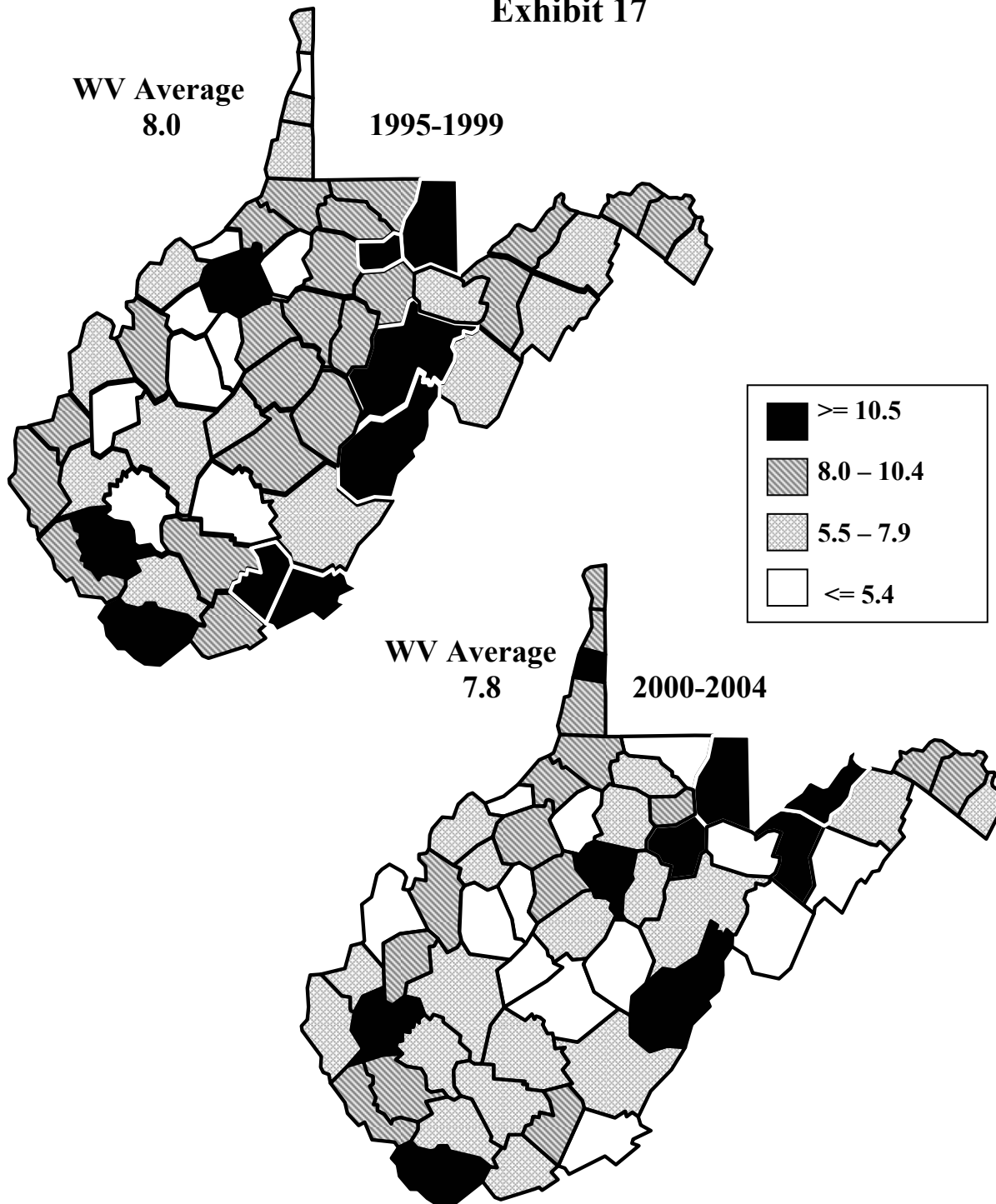
ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500 Grams	1,500 - 2,499 Grams	2,500 Grams or More	Unknown	
A00-Z99	Total Deaths, All Causes	79	25	52	2	158
C00-C97	Malignant Neoplasms	0	1	0	0	1
D00-D48	Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Unspecified Nature	0	1	0	0	1
D50-D77	Diseases of Blood and Blood Forming Organs	0	1	0	0	1
G04-H95	Other Diseases of Nervous System and Sense Organs	0	0	2	0	2
Q00-Q99	Congenital Anomalies	10	10	15	1	36
Q00	Anencephalus and Similar Anomalies	1	1	0	0	2
Q01-Q04, Q06-Q07	Other Congenital Anomalies of Nervous System	0	0	2	0	2
Q20-Q24	Congenital Anomalies of Heart	1	3	8	0	12
Q25-Q28	Other Congenital Anomalies of Circulatory System	2	0	0	0	2
Q30-Q34	Congenital Anomalies of Respiratory System	3	1	3	1	8
Q35-Q45	Congenital Anomalies of Digestive System	0	2	1	0	3
Q65-Q79	Congenital Anomalies of Musculoskeletal System	2	1	0	0	3
Q90-Q99	Chromosomal Anomalies	0	1	0	0	1
Q80-Q89	Other and Unspecified Congenital Anomalies	1	1	1	0	3
P00-P96	Certain Conditions Originating in the Perinatal Period	68	7	10	0	85
P00	Newborn Affected by Maternal Conditions Which May Be Unrelated to Present Pregnancy	0	1	0	0	1
P01	Newborn Affected by Maternal Complications of Pregnancy	9	0	0	0	9
P02	Newborn Affected by Complications of Placenta, Cord, and Membranes	10	0	1	0	11
P03	Newborn Affected by Other Complications of Labor and Delivery	1	0	0	0	1
P07	Disorders Relating to Short Gestation and Unspecified Low Birthweight	17	0	0	0	17
P22.0	Respiratory Distress Syndrome	6	1	1	0	8
P35-P39	Infections Specific to the Perinatal Period	6	3	4	0	13
P50-P54	Neonatal Hemorrhage	1	0	0	0	1
P95-P96	Other Disorders Originating in Perinatal Period	1	0	0	0	1
R00-R99	Symptoms, Signs, and Ill-Defined Conditions	0	3	13	1	17
R95	Sudden Infant Death Syndrome	0	3	12	0	15
V01-Y98	External Causes of Injury and Poisoning	1	2	10	0	13
V01-X59, Y85-Y86	Accidents	0	0	1	0	1
W65-W84	Accidents Caused by Submersion, Suffocation, and Foreign Bodies	0	0	1	0	1
X85-Y09	Assault	0	0	1	0	1
Residual	All Other Causes (Residual)	0	0	2	0	2

**Infant Deaths and Selected Risk Factors
Associated with Infant Deaths
West Virginia Residents, 2004
Table 38**

Factor	Births		Infant Deaths	
	Number	Percent	Number	Percent
Total	20,911		158	
Birthweight < 2,500 Grams	1,950	9.3	104	65.8
Birthweight < 1,500 Grams	322	1.5	79	50.0
Gestational Age < 37 Weeks	2,577	12.3	99	62.7
Age of Mother < 20 Years	2,489	11.9	29	18.4
Age of Mother < 15 Years	28	0.1	1	0.6
Unmarried Mothers	7,251	34.7	62	39.2
Mothers Using Tobacco	5,604	26.8	58	36.7
Mothers Using Alcohol	121	0.6	2	1.3
White Mothers	19,982	95.6	149	94.3
Black Mothers	661	3.2	7	4.4
Mothers of Other Races	268	1.3	2	1.3

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**Resident Infant Death Rates by County
West Virginia, 1995-1999 and 2000-2004
Exhibit 17**



Number and Rate of Resident Infant Deaths by County
West Virginia, 2000-2004
Table 39

County	2000		2001		2002		2003		2004	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Barbour	3	21.4	2	12.0	3	18.8	0	0.0	1	5.8
Berkeley	8	7.4	8	7.5	17	15.0	10	8.5	10	7.9
Boone	3	8.1	0	0.0	4	12.1	1	3.0	3	9.5
Braxton	1	6.4	1	7.0	1	6.0	2	13.3	0	0.0
Brooke	2	7.6	3	12.4	0	0.0	1	4.3	4	16.9
Cabell	6	5.0	12	10.1	10	8.6	6	5.2	9	7.9
Calhoun	0	0.0	0	0.0	0	0.0	1	16.7	1	16.7
Clay	1	8.7	0	0.0	0	0.0	0	0.0	2	14.9
Doddridge	1	14.5	0	0.0	0	0.0	0	0.0	0	0.0
Fayette	6	10.5	4	7.1	0	0.0	5	8.3	3	5.4
Gilmer	0	0.0	0	0.0	1	16.4	1	20.4	1	13.9
Grant	4	26.8	2	15.6	1	9.2	1	7.1	0	0.0
Greenbrier	3	7.8	2	5.5	3	7.9	2	5.6	1	2.7
Hampshire	1	4.3	3	14.1	1	4.6	1	3.9	3	13.4
Hancock	2	5.8	2	6.1	2	5.4	5	14.5	4	11.5
Hardy	1	6.7	0	0.0	0	0.0	2	13.6	0	0.0
Harrison	4	5.1	3	3.8	4	5.0	12	15.1	5	5.9
Jackson	5	13.6	1	3.0	2	6.6	1	3.1	5	16.0
Jefferson	2	3.4	5	8.8	6	10.0	3	4.9	6	9.4
Kanawha	18	7.5	17	7.4	20	8.3	15	6.3	14	5.7
Lewis	4	20.8	1	4.8	3	17.1	1	5.0	1	5.8
Lincoln	8	29.4	7	27.9	4	12.4	8	27.2	3	10.2
Logan	3	6.0	7	15.1	3	6.3	4	9.3	4	9.1
McDowell	5	15.8	2	6.9	5	17.2	4	13.4	1	3.2
Marion	4	6.7	2	3.4	7	11.8	4	6.1	5	8.0
Marshall	3	8.2	3	8.2	6	17.3	2	6.0	3	8.4
Mason	3	9.7	0	0.0	1	3.5	2	6.7	1	3.4
Mercer	3	3.8	4	5.5	7	9.4	7	9.5	7	9.8
Mineral	2	6.5	2	6.1	7	24.8	4	14.2	1	3.1
Mingo	2	5.5	5	13.3	7	18.1	1	2.7	1	2.7
Monongalia	2	2.3	1	1.2	4	4.5	9	9.9	3	3.2
Monroe	0	0.0	1	7.0	0	0.0	1	9.0	0	0.0
Morgan	1	6.8	2	13.5	3	19.7	0	0.0	1	6.2
Nicholas	2	7.0	2	7.8	2	7.6	1	3.3	0	0.0
Ohio	6	12.6	6	11.9	6	13.8	2	4.1	5	10.9
Pendleton	1	13.2	0	0.0	0	0.0	0	0.0	0	0.0
Pleasants	0	0.0	0	0.0	1	15.6	0	0.0	0	0.0
Pocahontas	1	12.5	1	12.8	1	10.6	1	11.4	4	44.0
Preston	4	14.4	5	17.6	4	11.7	2	6.1	3	9.3
Putnam	3	5.1	8	12.6	4	6.8	5	7.4	8	12.0
Raleigh	6	6.8	4	4.6	7	8.2	5	5.6	8	8.9
Randolph	4	12.4	1	3.3	2	6.2	3	9.6	2	6.3
Ritchie	0	0.0	1	8.5	0	0.0	1	7.6	3	24.0
Roane	2	11.6	0	0.0	2	12.1	0	0.0	0	0.0
Summers	1	7.4	1	10.3	2	16.1	1	7.9	1	9.2
Taylor	2	12.6	2	13.5	3	17.8	0	0.0	0	0.0
Tucker	0	0.0	0	0.0	0	0.0	1	14.7	0	0.0
Tyler	0	0.0	0	0.0	0	0.0	3	36.6	1	11.1
Upshur	1	4.0	3	10.3	1	3.4	1	3.5	2	7.0
Wayne	3	6.1	2	4.0	6	12.2	2	4.3	5	11.1
Webster	1	9.4	0	0.0	0	0.0	0	0.0	0	0.0
Wetzel	1	4.9	0	0.0	5	26.6	1	5.1	2	10.5
Wirt	0	0.0	1	23.3	0	0.0	1	15.9	0	0.0
Wood	6	5.8	8	7.9	9	8.8	4	4.0	10	10.1
Wyoming	4	14.7	2	7.1	1	3.3	3	10.5	1	4.0
Total	159	7.6	149	7.3	188	9.1	153	7.3	158	7.6

* Number of infant deaths per 1,000 live births

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Causes of Resident Fetal Deaths West Virginia, 2000-2004 Table 40

ICDA 10 Code	Cause of Death	2000	2001	2002	2003	2004
P00-Q99,R99	Total Fetal Deaths, All Causes	142	153	140	129	135
P00-P96	Conditions Originating in the Perinatal Period	124	130	120	117	120
P00	Maternal conditions unrelated to present pregnancy	4	1	2	3	5
P00.1	Maternal renal and urinary tract diseases	0	0	0	1	0
P00.5	Maternal injury	2	0	1	0	0
P01.8	Other specified maternal conditions	0	0	2	1	0
P01	Fetus affected by maternal complications of pregnancy	14	18	17	16	14
P01.0	Incompetent cervix	3	4	2	6	3
P01.1	Other forms of placental separation and hemorrhage	7	8	10	6	8
P01.2	Oligohydramnios	1	0	3	1	2
P01.4	Ectopic pregnancy	0	1	0	0	0
P01.5	Multiple pregnancy	3	4	0	2	0
P01.8	Other specified conditions	0	0	2	1	0
P02	Complications of placenta, cord, and membranes	46	58	52	42	43
P02.1	Premature rupture of membranes	15	24	17	16	15
P02.2	Unspecified abnormalities of placenta	4	5	4	4	2
P02.3	Placenta transfusion syndrome	0	0	2	0	0
P02.4	Prolapsed cord	1	0	0	0	0
P02.5	Other compression of umbilical cord	22	25	26	17	25
P02.6	Unspecified conditions of umbilical cord	0	1	1	0	0
P02.7	Chorionamnionitis	4	2	2	5	1
P03	Other complications of labor and delivery	0	0	1	0	1
P07	Short gestation and unspecified low birthweight	7	2	10	5	12
P07.2	Extreme prematurity	5	1	4	2	7
P07.3	Other preterm infants	2	1	6	3	5
P20-P21	Intrauterine hypoxia and birth asphyxia	4	2	4	6	4
P28	Other respiratory conditions	0	0	3	3	0
P35-P39	Infections specific to perinatal period	0	2	0	0	0
P70-P74	Endocrine and metabolic disturbances	0	2	1	2	2
P70.0-P70.2	Syndrome of "infant of a diabetic mother"	0	2	1	2	2
P70.2	Neonatal diabetes mellitus	0	0	0	1	0
P80-P83	Integument and temperature regulation	0	2	1	1	0
P90-P96	Other and ill-defined conditions	45	39	26	35	34
P90-P96.8	Other specified conditions originating in the perinatal period	43	35	0	0	0
P96.9	Unspecified conditions originating in the perinatal period	2	4	26	35	34
Q00-Q99	Congenital Anomalies	16	15	20	12	15
Q00	Anencephalus	5	2	1	0	2
Q05	Spina bifida	0	0	0	1	1
Q01-Q04,Q06-Q07	Other anomalies of nervous system	2	0	1	1	1
Q20-Q24	Anomalies of heart	3	1	2	1	2
Q30-Q34	Anomalies of respiratory system	0	0	0	1	0
Q50-Q64	Anomalies of genitourinary system	0	2	2	1	0
Q65-Q79	Musculoskeletal anomalies	2	1	0	0	0
Q90-Q99	Chromosomal anomalies	0	5	7	5	3
Q90	Down's Syndrome	0	1	2	2	0
Q80-Q89	Other and unspecified congenital anomalies	4	4	7	2	5
Q99	Congenital anomaly, unspecified	0	0	1	0	1
R99	Residual - All Other Causes and Unknown	2	8	0	0	0

Number and Ratio of Resident Fetal Deaths by County
West Virginia, 2000-2004
Table 41

County	2000		2001		2002		2003		2004	
	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*
Barbour	4	28.6	2	12.0	2	12.5	1	5.9	1	5.8
Berkeley	6	5.6	8	7.5	6	5.3	8	6.8	6	4.7
Boone	4	10.8	6	17.9	1	3.0	2	6.1	3	9.5
Braxton	0	0.0	0	0.0	0	0.0	2	13.3	0	0.0
Brooke	3	11.4	1	4.1	1	4.6	1	4.3	2	8.4
Cabell	9	7.6	7	5.9	7	6.0	6	5.2	7	6.2
Calhoun	0	0.0	3	38.5	2	21.5	1	16.7	1	16.7
Clay	6	52.2	0	0.0	1	7.0	0	0.0	1	7.5
Doddridge	0	0.0	1	14.7	1	15.2	0	0.0	1	12.7
Fayette	3	5.2	6	10.7	6	10.9	5	8.3	3	5.4
Gilmer	0	0.0	0	0.0	0	0.0	1	20.4	0	0.0
Grant	1	6.7	0	0.0	0	0.0	0	0.0	1	7.6
Greenbrier	0	0.0	2	5.5	3	7.9	6	16.7	3	8.0
Hampshire	0	0.0	0	0.0	2	9.2	0	0.0	0	0.0
Hancock	2	5.8	2	6.1	1	2.7	1	2.9	1	2.9
Hardy	0	0.0	0	0.0	1	7.1	0	0.0	0	0.0
Harrison	2	2.6	1	1.3	4	5.0	5	6.3	5	5.9
Jackson	3	8.2	6	17.9	2	6.6	1	3.1	2	6.4
Jefferson	2	3.4	6	10.6	7	11.7	2	3.3	4	6.2
Kanawha	17	7.1	19	8.2	13	5.4	23	9.7	23	9.4
Lewis	1	5.2	1	4.8	0	0.0	0	0.0	0	0.0
Lincoln	1	3.7	0	0.0	4	12.4	2	6.8	0	0.0
Logan	5	9.9	4	8.6	7	14.7	6	13.9	4	9.1
McDowell	2	6.3	1	3.4	3	10.3	2	6.7	3	9.7
Marion	6	10.1	3	5.0	4	6.7	2	3.1	6	9.6
Marshall	2	5.4	2	5.5	3	8.6	3	9.1	2	5.6
Mason	2	6.5	3	11.0	4	13.9	1	3.4	2	6.7
Mercer	3	3.8	4	5.5	2	2.7	3	4.1	2	2.8
Mineral	0	0.0	2	6.1	1	3.5	0	0.0	0	0.0
Mingo	3	8.3	3	8.0	1	2.6	2	5.3	1	2.7
Monongalia	8	9.3	6	7.0	10	11.2	6	6.6	3	3.2
Monroe	2	15.2	0	0.0	0	0.0	1	9.0	1	8.1
Morgan	0	0.0	0	0.0	1	6.6	1	6.5	1	6.2
Nicholas	2	7.0	1	3.9	1	3.8	1	3.3	3	11.4
Ohio	6	12.6	7	13.8	3	6.9	4	8.3	3	6.6
Pendleton	0	0.0	0	0.0	0	0.0	1	10.0	0	0.0
Pleasants	0	0.0	1	11.0	0	0.0	1	12.8	0	0.0
Pocahontas	0	0.0	0	0.0	1	10.6	3	34.1	1	11.0
Preston	3	10.8	1	3.5	3	8.8	0	0.0	2	6.2
Putnam	8	13.7	5	7.8	7	11.9	4	5.9	1	1.5
Raleigh	9	10.3	11	12.6	8	9.3	6	6.8	10	11.1
Randolph	2	6.2	3	9.9	1	3.1	1	3.2	2	6.3
Ritchie	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Roane	0	0.0	1	6.4	1	6.1	1	5.4	1	5.3
Summers	1	7.4	2	20.6	3	24.2	1	7.9	4	36.7
Taylor	2	12.6	1	6.8	0	0.0	0	0.0	0	0.0
Tucker	0	0.0	0	0.0	0	0.0	0	0.0	2	33.9
Tyler	0	0.0	2	20.0	0	0.0	0	0.0	0	0.0
Upshur	2	8.1	1	3.4	1	3.4	1	3.5	2	7.0
Wayne	3	6.1	5	10.0	0	0.0	1	2.2	1	2.2
Webster	0	0.0	0	0.0	1	12.5	0	0.0	2	22.2
Wetzel	1	4.9	5	28.9	1	5.3	0	0.0	1	5.3
Wirt	1	17.9	0	0.0	0	0.0	0	0.0	1	16.4
Wood	2	1.9	6	5.9	6	5.9	7	6.9	9	9.1
Wyoming	3	11.0	2	7.1	3	10.0	3	10.5	1	4.0
Total	142	6.8	153	7.5	140	6.8	129	6.1	135	6.5

* Fetal death ratio = (fetal deaths / live births) X 1,000 in each respective county

**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99*	Total Deaths, All Causes	20,776	11.4
A00-B99	Certain Infectious and Parasitic Diseases	469	25.8
A00-A09	Intestinal Infectious Diseases	28	1.5
A04	Other Bacterial Intestinal Infections	26	1.4
A08	Viral and Other Specified Intestinal Infections	1	0.1
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	1	0.1
A15-A19	Tuberculosis	4	0.2
A16	Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically	4	0.2
A30-A49	Other Bacterial Diseases	351	19.3
A31	Infection due to Other Mycobacteria	1	0.1
A40	Streptococcal Septicemia	5	0.3
A41	Other Septicemia	335	18.5
A48	Other Bacterial Diseases, Not Elsewhere Classified	2	0.1
A49	Bacterial Infection of Unspecified Site	8	0.4
A80-A89	Viral Infections of the Central Nervous System	3	0.2
A81	Slow Virus Infections of Central Nervous System	1	0.1
A86	Unspecified Viral Encephalitis	2	0.1
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	2	0.1
B00	Herpesviral [Herpes Simplex] Infection	2	0.1
B15-B19	Viral Hepatitis	29	1.6
B15	Acute Hepatitis a	1	0.1
B16	Acute Hepatitis B	3	0.2
B17	Other Acute Viral Hepatitis	17	0.9
B18	Chronic Viral Hepatitis	5	0.3
B19	Unspecified Viral Hepatitis	3	0.2
B20-B24	Human Immunodeficiency Virus [HIV] Disease	28	1.5
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	8	0.4
B21	Human Immunodeficiency Virus [HIV] Disease Resulting in Malignant Neoplasms	2	0.1
B22	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Specified Diseases	2	0.1

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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Causes of Resident Deaths: Number and Rate West Virginia, 2004 Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	7	0.4
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	9	0.5
B25-B34	Other Viral Diseases	6	0.3
B33	Other Viral Diseases, Not Elsewhere Classified	1	0.1
B34	Viral Infection of Unspecified Site	5	0.3
B35-B49	Mycoses	13	0.7
B37	Candidiasis	4	0.2
B39	Histoplasmosis	2	0.1
B40	Blastomycosis	1	0.1
B44	Aspergillosis	1	0.1
B45	Cryptococcosis	2	0.1
B49	Unspecified Mycosis	3	0.2
B90-B94	Sequelae of Infectious and Parasitic Diseases	4	0.2
B91	Sequelae of Poliomyelitis	1	0.1
B94	Sequelae of Other and Unspecified Infectious and Parasitic Diseases	3	0.2
B99	Other Infectious Diseases	1	0.1
B99	Other and Unspecified Infectious Diseases	1	0.1
C00-D48	Neoplasms	4,805	264.7
C00-C97	Malignant Neoplasms	4,694	258.6
C01	Malignant Neoplasm of Base of Tongue	2	0.1
C02	Malignant Neoplasm of Other and Unspecified Parts of Tongue	11	0.6
C03	Malignant Neoplasm of Gum	1	0.1
C04	Malignant Neoplasm of Floor of Mouth	1	0.1
C05	Malignant Neoplasm of Palate	1	0.1
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	12	0.7
C07	Malignant Neoplasm of Parotid Gland	3	0.2
C08	Malignant Neoplasm of Other and Unspecified Major Salivary Glands	1	0.1
C09	Malignant Neoplasm of Tonsil	5	0.3
C10	Malignant Neoplasm of Oropharynx	8	0.4

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
C11	Malignant Neoplasm of Nasopharynx	1	0.1
C13	Malignant Neoplasm of Hypopharynx	2	0.1
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	15	0.8
C15-C26	Malignant Neoplasms of Digestive Organs	1,039	57.2
C15	Malignant Neoplasm of Esophagus	94	5.2
C16	Malignant Neoplasm of Stomach	84	4.6
C17	Malignant Neoplasm of Small Intestine	7	0.4
C18	Malignant Neoplasm of Colon	380	20.9
C19	Malignant Neoplasm of Rectosigmoid Junction	19	1.0
C20	Malignant Neoplasm of Rectum	70	3.9
C21	Malignant Neoplasm of Anus and Anal Canal	6	0.3
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	100	5.5
C23	Malignant Neoplasm of Gallbladder	23	1.3
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	8	0.4
C25	Malignant Neoplasm of Pancreas	237	13.1
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	11	0.6
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,531	84.3
C31	Malignant Neoplasm of Accessory Sinuses	3	0.2
C32	Malignant Neoplasm of Larynx	34	1.9
C33	Malignant Neoplasm of Trachea	1	0.1
C34	Malignant Neoplasm of Bronchus and Lung	1,486	81.9
C37	Malignant Neoplasm of Thymus	1	0.1
C38	Malignant Neoplasm of Heart, Mediastinum, and Pleura	1	0.1
C39	Malignant Neoplasm of Other and Ill-Defined Sites in the Respiratory System and Intrathoracic Organs	5	0.3
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	2	0.1
C41	Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites	2	0.1
C43-C44	Melanoma and Other Malignant Neoplasms of Skin	77	4.2
C43	Malignant Neoplasm of Skin	60	3.3
C44	Other Malignant Neoplasms of Skin	17	0.9

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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Causes of Resident Deaths: Number and Rate West Virginia, 2004 Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	52	2.9
C45	Mesothelioma	26	1.4
C47	Malignant Neoplasm of Peripheral Nerves and Autonomic Nervous System	1	0.1
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	3	0.2
C49	Malignant Neoplasm of Other Connective and Soft Tissue	22	1.2
C50	Malignant Neoplasm of Breast	312	17.2
C50	Malignant Neoplasm of Breast	312	17.2
C51-C58	Malignant Neoplasms of Female Genital Organs	241	13.3
C51	Malignant Neoplasm of Vulva	6	0.3
C52	Malignant Neoplasm of Vagina	2	0.1
C53	Malignant Neoplasm of Cervix Uteri	33	1.8
C54	Malignant Neoplasm of Corpus Uteri	36	2.0
C55	Malignant Neoplasm of Uterus, Part Unspecified	26	1.4
C56	Malignant Neoplasm of Ovary	136	7.5
C57	Malignant Neoplasm of Other and Unspecified Female Genital Organs	2	0.1
C60-C63	Malignant Neoplasms of Male Genital Organs	198	10.9
C60	Malignant Neoplasm of Penis	5	0.3
C61	Malignant Neoplasm of Prostate	190	10.5
C62	Malignant Neoplasm of Testis	2	0.1
C63	Malignant Neoplasm of Other and Unspecified Male Genital Organs	1	0.1
C64-C68	Malignant Neoplasms of Urinary Tract	214	11.8
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	94	5.2
C67	Malignant Neoplasm of Bladder	117	6.4
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	3	0.2
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	100	5.5
C69	Malignant Neoplasm of Eye and Adnexa	1	0.1
C70	Malignant Neoplasm of Meninges	1	0.1
C71	Malignant Neoplasm of Brain	98	5.4
C73-C75	Malignant Neoplasms of Other Endocrine Glands	11	0.6

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
C73	Malignant Neoplasm of Thyroid Gland	6	0.3
C74	Malignant Neoplasm of Adrenal Gland	5	0.3
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	332	18.3
C76	Malignant Neoplasm of Other and Ill-Defined Sites	21	1.2
C77	Secondary and Unspecified Malignant Neoplasm of Lymph Nodes	2	0.1
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	20	1.1
C79	Secondary Malignant Neoplasm of Other Sites	31	1.7
C80	Malignant Neoplasm without Specification of Site	258	14.2
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	387	21.3
C81	Hodgkin's Disease	6	0.3
C83	Diffuse Non-Hodgkin's Lymphoma	27	1.5
C84	Peripheral and Cutaneous T-Cell Lymphoma	7	0.4
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	125	6.9
C88	Malignant Immunoproliferative Diseases	2	0.1
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	75	4.1
C91	Lymphoid Leukemia	43	2.4
C92	Myeloid Leukemia	62	3.4
C93	Monocytic Leukemia	2	0.1
C94	Other Leukemias of Specified Cell Type	1	0.1
C95	Leukemia of Unspecified Cell Type	37	2.0
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	135	7.4
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	135	7.4
D10-D36	Benign Neoplasms	4	0.2
D32	Benign Neoplasm of Meninges	3	0.2
D33	Benign Neoplasm of Brain and Other Parts of Central Nervous System	1	0.1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	107	5.9
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	6	0.3
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	4	0.2
D41	Neoplasm of Uncertain or Unknown Behavior of Urinary Organs	2	0.1

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	30	1.7
D44	Neoplasm of Uncertain or Unknown Behavior of Endocrine Glands	1	0.1
D45	Polycythemia Vera	2	0.1
D46	Myelodysplastic Syndromes	39	2.1
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	16	0.9
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	7	0.4
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	111	6.1
D50-D53	Nutritional Anemias	7	0.4
D50	Iron Deficiency Anemia	4	0.2
D51	Vitamin B12 Deficiency Anemia	1	0.1
D53	Other Nutritional Anemias	2	0.1
D55-D59	Hemolytic Anemias	1	0.1
D56	Thalassaemia	1	0.1
D60-D64	Aplastic and Other Anemias	47	2.6
D61	Other Aplastic Anemias	12	0.7
D62	Acute Posthemorrhagic Anemia	1	0.1
D64	Other Anemias	34	1.9
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	34	1.9
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	9	0.5
D66	Hereditary Factor VIII Deficiency	1	0.1
D67	Hereditary Factor IX Deficiency	1	0.1
D68	Other Coagulation Defects	13	0.7
D69	Purpura and Other Hemorrhagic Conditions	10	0.6
D70-D77	Other Diseases of Blood and Blood-forming Organs	11	0.6
D70	Agranulocytosis	5	0.3
D72	Other Disorders of White Blood Cells	2	0.1
D73	Diseases of Spleen	2	0.1
D75	Other Diseases of Blood and Blood-forming Organs	2	0.1
D80-D89	Certain Disorders Involving the Immune Mechanism	11	0.6

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**Causes of Resident Deaths: Number and Rate
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Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
D84	Other Immunodeficiencies	5	0.3
D86	Sarcoidosis	6	0.3
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,138	62.7
E00-E07	Disorders of Thyroid Gland	19	1.0
E03	Other Hypothyroidism	19	1.0
E10-E14	Diabetes Mellitus	850	46.8
E10	Insulin-Dependent Diabetes Mellitus	83	4.6
E11	Non-Insulin-Dependent Diabetes Mellitus	256	14.1
E14	Unspecified Diabetes Mellitus	511	28.1
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	4	0.2
E15	Nondiabetic Hypoglycemic Coma	1	0.1
E16	Other Disorders of Pancreatic Internal Secretion	3	0.2
E20-E35	Disorders of Other Endocrine Glands	5	0.3
E21	Hypoparathyroidism and Other Disorders of Parathyroid Gland	2	0.1
E23	Hyperfunction and Other Disorders of Pituitary Gland	1	0.1
E27	Other Disorders of Adrenal Gland	2	0.1
E40-E46	Malnutrition	29	1.6
E41	Nutritional Marasmus	1	0.1
E43	Unspecified Severe Protein-Energy Malnutrition	1	0.1
E46	Unspecified Protein-Energy Malnutrition	27	1.5
E50-E64	Other Nutritional Deficiencies	4	0.2
E53	Deficiency of Other B Group Vitamins	1	0.1
E56	Other Vitamin Deficiencies	1	0.1
E63	Other Nutritional Deficiencies	2	0.1
E65-E68	Obesity and Other Hyperalimentation	48	2.6
E66	Obesity	48	2.6
E70-E90	Metabolic Disorders	179	9.9
E71	Disorders of Branched-Chain Amino-Acid Metabolism and Fatty-Acid Metabolism	2	0.1
E74	Other Disorders of Carbohydrate Metabolism	1	0.1

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Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
E75	Disorders of Sphingolipid Metabolism and Other Lipid Storage Disorders	1	0.1
E76	Disorders of Glycosaminoglycan Metabolism	2	0.1
E78	Disorders of Lipoprotein Metabolism and Other Lipidemias	73	4.0
E83	Disorders of Mineral Metabolism	3	0.2
E84	Cystic Fibrosis	7	0.4
E85	Amyloidosis	3	0.2
E86	Volume Depletion	45	2.5
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	29	1.6
E88	Other Metabolic Disorders	13	0.7
F00-F99	Mental and Behavioral Disorders	400	22.0
F00-F09	Organic, Including Symptomatic, Mental Disorders	342	18.8
F01	Vascular Dementia	4	0.2
F03	Unspecified Dementia	313	17.2
F06	Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease	24	1.3
F07	Personality and Behavioral Disorders due to Brain Disease, Damage and Dysfunction	1	0.1
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	35	1.9
F10	Mental and Behavioral Disorders due to Use of Alcohol	34	1.9
F14	Mental and Behavioral Disorders due to Use of Cocaine	1	0.1
F20-F29	Schizophrenia, Schizotypal and Delusional Disorders	3	0.2
F20	Schizophrenia	3	0.2
F30-F39	Mood [Affective] Disorders	5	0.3
F32	Depressive Episode	5	0.3
F70-F79	Mental Retardation	14	0.8
F73	Profound Mental Retardation	1	0.1
F79	Unspecified Mental Retardation	13	0.7
F80-F89	Disorders of Psychological Development	1	0.1
F84	Pervasive Developmental Disorders	1	0.1
G00-G99	Diseases of the Nervous System	866	47.7
G00-G09	Inflammatory Diseases of the Central Nervous System	10	0.6

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**Causes of Resident Deaths: Number and Rate
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Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
G00	Bacterial Meningitis, Not Elsewhere Classified	1	0.1
G03	Meningitis due to Other and Unspecified Causes	5	0.3
G04	Encephalitis, Myelitis and Encephalomyelitis	1	0.1
G06	Intracranial and Intrasplinal Abscess and Granuloma	1	0.1
G08	Intracranial and Intrasplinal Phlebitis and Thrombophlebitis	2	0.1
G10-G13	Systemic Atrophies Primarily Affecting the Central Nervous System	60	3.3
G10	Huntington's Disease	12	0.7
G11	Hereditary Ataxia	5	0.3
G12	Spinal Muscular Atrophy and Related Syndromes	43	2.4
G20-G26	Extrapyramidal and Movement Disorders	152	8.4
G20	Parkinson's Disease	143	7.9
G21	Secondary Parkinsonism	5	0.3
G23	Other Degenerative Diseases of Basal Ganglia	2	0.1
G24	Dystonia	2	0.1
G30-G32	Other Degenerative Diseases of the Nervous System	513	28.3
G30	Alzheimer's Disease	507	27.9
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	6	0.3
G35-G37	Demyelinating Diseases of the Central Nervous System	28	1.5
G35	Multiple Sclerosis	28	1.5
G40-G47	Episodic and Paroxysmal Disorders	16	0.9
G40	Epilepsy	2	0.1
G41	Status Epilepticus	6	0.3
G45	Transient Cerebral Ischemic Attacks and Related Syndromes	2	0.1
G47	Sleep Disorders	6	0.3
G60-G64	Polynuropathies and Other Disorders of the Peripheral Nervous System	3	0.2
G60	Hereditary and Idiopathic Neuropathy	1	0.1
G61	Inflammatory Polynuropathy	2	0.1
G70-G73	Diseases of Myoneural Junction and Muscle	10	0.6
G70	Myasthenia Gravis and Other Myoneural Disorders	4	0.2

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Causes of Resident Deaths: Number and Rate
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Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
G71	Primary Disorders of Muscles	6	0.3
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	23	1.3
G80	Infantile Cerebral Palsy	16	0.9
G82	Paraplegia and Tetraplegia	6	0.3
G83	Other Paralytic Syndromes	1	0.1
G90-G99	Other Disorders of the Nervous System	51	2.8
G91	Hydrocephalus	8	0.4
G93	Other Disorders of Brain	42	2.3
G98	Other Disorders of Nervous System, Not Elsewhere Classified	1	0.1
H00-H59	Diseases of the Eye and Adnexa	1	0.1
H40-H42	Glaucoma	1	0.1
H40	Glaucoma	1	0.1
I00-I99	Diseases of the Circulatory System	7,428	409.2
I00-I09,			
I11,			
I13,			
I20-I51	Diseases of the Heart	5,639	310.6
I05-I09	Chronic Rheumatic Heart Diseases	29	1.6
I05	Rheumatic Mitral Valve Diseases	12	0.7
I06	Rheumatic Aortic Valve Diseases	2	0.1
I07	Rheumatic Tricuspid Valve Diseases	2	0.1
I08	Multiple Valve Diseases	6	0.3
I09	Other Rheumatic Heart Diseases	7	0.4
I10-I15	Hypertensive Diseases	407	22.4
I10	Essential (Primary) Hypertension	125	6.9
I11	Hypertensive Heart Disease	170	9.4
I12	Hypertensive Renal Disease	79	4.4
I13	Hypertensive Heart and Renal Disease	33	1.8
I20-I25	Ischemic Heart Diseases	3,809	209.8

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Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
I20	Angina Pectoris	12	0.7
I21	Acute Myocardial Infarction	1,309	72.1
I24	Other Acute Ischemic Heart Diseases	4	0.2
I25	Chronic Ischemic Heart Disease	2,484	136.8
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	102	5.6
I26	Pulmonary Embolism	69	3.8
I27	Other Pulmonary Heart Diseases	33	1.8
I30-I52	Other forms of Heart Diseases	1,496	82.4
I31	Other Diseases of Pericardium	7	0.4
I33	Acute and Subacute Endocarditis	10	0.6
I34	Nonrheumatic Mitral Valve Disorders	10	0.6
I35	Nonrheumatic Aortic Valve Disorders	100	5.5
I38	Endocarditis, Valve Unspecified	28	1.5
I40	Acute Myocarditis	2	0.1
I42	Cardiomyopathy	174	9.6
I44	Atrioventricular and Left Bundle-Branch Block	1	0.1
I46	Cardiac Arrest	346	19.1
I47	Paroxysmal Tachycardia	5	0.3
I48	Atrial Fibrillation and Flutter	87	4.8
I49	Other Cardiac Arrhythmias	78	4.3
I50	Heart Failure	598	32.9
I51	Complications and Ill-Defined Descriptions of Heart Disease	50	2.8
I60-I69	Cerebrovascular Diseases	1,197	65.9
I60	Subarachnoid Hemorrhage	57	3.1
I61	Intracerebral Hemorrhage	135	7.4
I62	Other Nontraumatic Intracranial Hemorrhage	82	4.5
I63	Cerebral Infarction	72	4.0
I64	Stroke, Not Specified as Hemorrhage or Infarction	682	37.6
I67	Other Cerebrovascular Diseases	109	6.0

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West Virginia, 2004
Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
I69	Sequelae of Cerebrovascular Disease	60	3.3
I70-I79	Diseases of Arteries, Arterioles and Capillaries	339	18.7
I70	Atherosclerosis	122	6.7
I71	Aortic Aneurysm and Dissection	123	6.8
I72	Other Aneurysm	8	0.4
I73	Other Peripheral Vascular Diseases	65	3.6
I74	Arterial Embolism and Thrombosis	10	0.6
I77	Other Disorders of Arteries and Arterioles	11	0.6
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	41	2.3
I80	Phlebitis and Thrombophlebitis	26	1.4
I81	Portal Vein Thrombosis	1	0.1
I82	Other Venous Embolism and Thrombosis	3	0.2
I83	Varicose Veins of Lower Extremities	4	0.2
I84	Hemorrhoids	1	0.1
I85	Esophageal Varices	3	0.2
I86	Varicose Veins of Other Sites	1	0.1
I87	Other Disorders of Veins	2	0.1
I95-I99	Other and Unspecified Disorders of the Circulatory System	8	0.4
I95	Hypotension	2	0.1
I99	Other and Unspecified Disorders of Circulatory System	6	0.3
J00-J99	Diseases of the Respiratory System	2,124	117.0
J00-J06	Acute Upper Respiratory Infections	1	0.1
J04	Acute Laryngitis and Tracheitis	1	0.1
J10-J18	Influenza and Pneumonia	416	22.9
J10	Influenza due to Identified Influenza Virus	5	0.3
J11	Influenza, Virus Not Identified	6	0.3
J12	Viral Pneumonia, Not Elsewhere Classified	3	0.2
J13	Pneumonia due to Streptococcus Pneumoniae	6	0.3
J15	Bacterial Pneumonia, Not Elsewhere Classified	19	1.0

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
J18	Pneumonia, Organism Unspecified	377	20.8
J20-J22	Other Acute Lower Respiratory Infections	1	0.1
J20	Acute Bronchitis	1	0.1
J30-J39	Other Diseases of Upper Respiratory Tract	5	0.3
J35	Chronic Diseases of Tonsils and Adenoids	1	0.1
J38	Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	1	0.1
J39	Other Diseases of Upper Respiratory Tract	3	0.2
J40-J47	Chronic Lower Respiratory Diseases	1,239	68.3
J40	Bronchitis, Not Specified as Acute or Chronic	3	0.2
J42	Unspecified Chronic Bronchitis	5	0.3
J43	Emphysema	111	6.1
J44	Other Chronic Obstructive Pulmonary Disease	1,102	60.7
J45	Asthma	11	0.6
J46	Status Asthmaticus	2	0.1
J47	Bronchiectasis	5	0.3
J60-J70	Lung Diseases due to External Agents	228	12.6
J60	Coalworker's Pneumoconiosis	81	4.5
J61	Pneumoconiosis due to Asbestos and Other Mineral Fibers	11	0.6
J62	Pneumoconiosis due to Dust Containing Silica	1	0.1
J64	Unspecified Pneumoconiosis	8	0.4
J69	Pneumonitis due to Solids and Liquids	127	7.0
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	136	7.5
J80	Adult Respiratory Distress Syndrome	13	0.7
J81	Pulmonary Edema	6	0.3
J82	Pulmonary Eosinophilia, Not Elsewhere Classified	3	0.2
J84	Other Interstitial Pulmonary Diseases	114	6.3
J85-J86	Supportive and Necrotic Conditions of Lower Respiratory Tract	2	0.1
J85	Abscess of Lung and Mediastinum	1	0.1
J86	Pyothorax	1	0.1

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West Virginia, 2004
Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
J90-J94	Other Diseases of Pleura	13	0.7
J90	Pleural Effusion, Not Elsewhere Classified	9	0.5
J93	Pneumothorax	3	0.2
J94	Other Pleural Conditions	1	0.1
J95-J99	Other Diseases of the Respiratory System	83	4.6
J96	Respiratory Failure, Not Elsewhere Classified	53	2.9
J98	Other Respiratory Disorders	30	1.7
K00-K93	Diseases of the Digestive System	737	40.6
K00-K14	Diseases of Oral Cavity, Salivary Glands and Jaws	3	0.2
K02	Dental Caries	1	0.1
K05	Gingivitis and Periodontal Diseases	1	0.1
K11	Diseases of Salivary Glands	1	0.1
K20-K31	Diseases of Esophagus, Stomach and Duodenum	51	2.8
K20	Esophagitis	1	0.1
K21	Gastro-esophageal Reflux Disease	8	0.4
K22	Other Diseases of Esophagus	5	0.3
K25	Gastric Ulcer	9	0.5
K26	Duodenal Ulcer	9	0.5
K27	Peptic Ulcer, Site Unspecified	9	0.5
K28	Gastrojejunal Ulcer	1	0.1
K29	Gastritis and Duodenitis	2	0.1
K31	Other Diseases of Stomach and Duodenum	7	0.4
K35-K38	Diseases of Appendix	2	0.1
K35	Acute Appendicitis	2	0.1
K40-K46	Hernia	21	1.2
K40	Inguinal Hernia	2	0.1
K42	Umbilical Hernia	2	0.1
K43	Ventral Hernia	3	0.2
K44	Diaphragmatic Hernia	6	0.3

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West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
K46	Unspecified Abdominal Hernia	8	0.4
K50-K52	Noninfective Enteritis and Colitis	24	1.3
K50	Crohn's Disease [Regional Enteritis]	6	0.3
K51	Ulcerative Colitis	3	0.2
K52	Other Noninfective Gastroenteritis and Colitis	15	0.8
K55-K63	Other Diseases of Intestines	154	8.5
K55	Vascular Disorders of Intestine	73	4.0
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	31	1.7
K57	Diverticular Disease of Intestine	30	1.7
K61	Abscess of Anal and Rectal Regions	1	0.1
K62	Other Diseases of Anus and Rectum	3	0.2
K63	Other Diseases of Intestine	16	0.9
K65-K67	Diseases of Peritoneum	13	0.7
K65	Peritonitis	10	0.6
K66	Other Disorders of Peritoneum	3	0.2
K70-K77	Diseases of Liver	337	18.6
K70	Alcoholic Liver Disease	87	4.8
K71	Toxic Liver Disease	1	0.1
K72	Hepatic Failure, Not Elsewhere Classified	44	2.4
K74	Fibrosis and Cirrhosis of Liver	177	9.8
K75	Other Inflammatory Liver Diseases	7	0.4
K76	Other Diseases of Liver	21	1.2
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	65	3.6
K80	Cholelithiasis	9	0.5
K81	Cholecystitis	10	0.6
K82	Other Diseases of Gallbladder	1	0.1
K83	Other Diseases of Biliary Tract	10	0.6
K85	Acute Pancreatitis	21	1.2
K86	Other Diseases of Pancreas	14	0.8

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Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
K90-K93	Other Diseases of the Digestive System	67	3.7
K90	Intestinal Malabsorption	4	0.2
K92	Other Diseases of Digestive System	63	3.5
L00-L99	Diseases of the Skin and Subcutaneous Tissue	34	1.9
L00-L08	Infections of the Skin and Subcutaneous Tissue	14	0.8
L02	Cutaneous Abscess, Furuncle and Carbuncle	3	0.2
L03	Cellulitis	6	0.3
L08	Other Local Infections of Skin and Subcutaneous Tissue	5	0.3
L20-L30	Dermatitis and Eczema	1	0.1
L30	Other Dermatitis	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	19	1.0
L85	Other Epidermal Thickening	1	0.1
L89	Decubitus Ulcer	12	0.7
L93	Lupus Erythematosus	3	0.2
L97	Ulcer of Lower Limb, Not Elsewhere Classified	1	0.1
L98	Other Disorders of Skin and Subcutaneous Tissue, Not Elsewhere Classified	2	0.1
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	94	5.2
M00-M25	Arthropathies	30	1.7
M05-M14	Inflammatory Polyarthropathies	20	1.1
M05	Seropositive Rheumatoid Arthritis	1	0.1
M06	Other Rheumatoid Arthritis	18	1.0
M13	Other Arthritis	1	0.1
M15-M19	Arthrosis	9	0.5
M15	Polyarthrosis	1	0.1
M19	Other Arthrosis	8	0.4
M20-M25	Other Joint Disorders	1	0.1
M25	Other Joint Disorders, Not Elsewhere Classified	1	0.1
M30-M36	Systemic Connective Tissue Disorders	21	1.2
M31	Other Necrotizing Vasculopathies	5	0.3

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Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
M32	Systemic Lupus Erythematosus	5	0.3
M33	Dermatopolymyositis	3	0.2
M34	Systemic Sclerosis	5	0.3
M35	Other Systemic Involvement of Connective Tissue	3	0.2
M40-M54	Dorsopathies	7	0.4
M40-M43	Deforming Dorsopathies	4	0.2
M40	Kyphosis and Lordosis	1	0.1
M41	Scoliosis	3	0.2
M45-M49	Spondylopathies	2	0.1
M46	Other Inflammatory Spondylopathies	1	0.1
M48	Other Spondylopathies	1	0.1
M50-M54	Other Dorsopathies	1	0.1
M50	Cervical Disc Disorders	1	0.1
M60-M79	Soft Tissue Disorders	9	0.5
M60-M63	Disorders of Muscles	5	0.3
M60	Myositis	1	0.1
M62	Other Disorders of Muscle	4	0.2
M70-M79	Other Soft Tissue Disorders	4	0.2
M72	Fibroblastic Disorders	3	0.2
M79	Other Soft Tissue Disorders, Not Elsewhere Classified	1	0.1
M80-M94	Osteopathies and Chondropathies	27	1.5
M80-M85	Disorders of Bone Density and Structure	10	0.6
M81	Osteoporosis without Pathological Fracture	6	0.3
M84	Disorders of Continuity of Bone	4	0.2
M86-M90	Other Osteopathies	17	0.9
M86	Osteomyelitis	15	0.8
M87	Osteonecrosis	1	0.1
M89	Other Disorders of Bone	1	0.1
N00-N99	Diseases of the Genitourinary System	578	31.8

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Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
N00-N08	Glomerular Diseases	1	0.1
N05	Unspecified Nephritic Syndrome	1	0.1
N10-N16	Renal Tubulo-Interstitial Diseases	6	0.3
N10	Acute Tubulo-Interstitial Nephritis	1	0.1
N12	Tubulo-Interstitial Nephritis, Not Specified as Acute or Chronic	1	0.1
N13	Obstructive and Reflux Uropathy	3	0.2
N15	Other Renal Tubulo-Interstitial Diseases	1	0.1
N17-N19	Renal Failure	442	24.3
N17	Acute Renal Failure	75	4.1
N18	Chronic Renal Failure	170	9.4
N19	Unspecified Renal Failure	197	10.9
N25-N29	Other Disorders of Kidney and Ureter	3	0.2
N28	Other Disorders of Kidney and Ureter, Not Elsewhere Classified	3	0.2
N30-N39	Other Diseases of the Urinary System	120	6.6
N31	Neuromuscular Dysfunction of Bladder, Not Elsewhere Classified	1	0.1
N39	Other Disorders of Urinary System	119	6.6
N40-N51	Diseases of Male Genital Organs	3	0.2
N40	Hyperplasia of Prostate	2	0.1
N42	Other Disorders of Prostate	1	0.1
N70-N77	Inflammatory Diseases of Female Pelvic Organs	2	0.1
N70	Salpingitis and Oophoritis	1	0.1
N71	Inflammatory Disease of Uterus, Except Cervix	1	0.1
N80-N98	Noninflammatory Disorders of Female Genital Tract	1	0.1
N89	Other Noninflammatory Disorders of Vagina	1	0.1
O00-O99*	Pregnancy, Childbirth and the Puerperium	1	0.1
O95-O99	Other Obstetric Conditions, Not Elsewhere Classified	1	4.8
O95	Obstetric Death of Unspecified Cause	1	4.8
P00-P96	Certain Conditions Originating in the Perinatal Period	86	4.7
P00-P04	Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	22	1.2

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

* Maternal death rates are per 100,000 live births.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
P00	Fetus and Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	1	0.1
P01	Fetus and Newborn Affected by Maternal Complications of Pregnancy	9	0.5
P02	Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes	11	0.6
P03	Fetus and Newborn Affected by Other Complications of Labor and Delivery	1	0.1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	17	0.9
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	17	0.9
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	25	1.4
P22	Respiratory Distress of Newborn	8	0.4
P23	Congenital Pneumonia	2	0.1
P24	Neonatal Aspiration Syndromes	1	0.1
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal Period	1	0.1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	1	0.1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	1	0.1
P28	Other Respiratory Conditions Originating in the Perinatal Period	8	0.4
P29	Cardiovascular Disorders Originating in the Perinatal Period	3	0.2
P35-P39	Infections Specific to the Perinatal Period	14	0.8
P35	Congenital Viral Diseases	3	0.2
P36	Bacterial Sepsis of Newborn	11	0.6
P50-P61	Hemorrhagic and Hematological Disorders of Fetus and Newborn	1	0.1
P52	Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	1	0.1
P75-P78	Digestive System Disorders of Fetus and Newborn	4	0.2
P77	Necrotizing Enterocolitis of Fetus and Newborn	4	0.2
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus and Newborn	2	0.1
P83	Other Conditions of Integument Specific to Fetus and Newborn	2	0.1
P90-P96	Other Disorders Originating in the Perinatal Period	1	0.1
P96	Other Conditions Originating in the Perinatal Period	1	0.1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	73	4.0
Q00-Q07	Congenital Malformations of the Nervous System	6	0.3
Q00	Anencephaly and Similar Malformations	2	0.1

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
Q04	Other Congenital Malformations of Brain	3	0.2
Q07	Other Congenital Malformations of Nervous System	1	0.1
Q20-Q28	Congenital Malformations of the Circulatory System	30	1.7
Q20	Congenital Malformations of Cardiac Chambers and Connections	3	0.2
Q21	Congenital Malformations of Cardiac Septa	5	0.3
Q23	Congenital Malformations of Aortic and Mitral Valves	6	0.3
Q24	Other Congenital Malformations of the Heart	11	0.6
Q25	Congenital Malformations of Great Arteries	1	0.1
Q26	Congenital Malformations of Great Veins	2	0.1
Q27	Other Congenital Malformations of Peripheral Vascular System	1	0.1
Q28	Other Congenital Malformations of Circulatory System	1	0.1
Q30-Q34	Congenital Malformations of the Respiratory System	9	0.5
Q31	Congenital Malformations of Larynx	2	0.1
Q32	Congenital Malformations of Trachea and Bronchus	2	0.1
Q33	Congenital Malformations of Lung	5	0.3
Q38-Q45	Other Congenital Malformations of the Digestive System	3	0.2
Q43	Other Congenital Malformations of Intestine	1	0.1
Q44	Congenital Malformations of Gallbladder, Bile Ducts and Liver	2	0.1
Q60-Q64	Congenital Malformations of the Urinary System	2	0.1
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	0.1
Q61	Cystic Kidney Disease	1	0.1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	4	0.2
Q78	Other Osteochondrodysplasias	3	0.2
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	1	0.1
Q80-Q89	Other Congenital Malformations	6	0.3
Q82	Other Congenital Malformations of Skin	1	0.1
Q85	Phakomatoses, Not Elsewhere Classified	1	0.1
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	1	0.1
Q89	Other Congenital Malformations, Not Elsewhere Classified	3	0.2

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	13	0.7
Q90	Down's Syndrome	11	0.6
Q91	Edwards' Syndrome and Patau's Syndrome	1	0.1
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere Classified	1	0.1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	258	14.2
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	39	2.1
R06	Abnormalities of Breathing	2	0.1
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	37	2.0
R50-R69	General Symptoms and Signs	51	2.8
R53	Malaise and Fatigue	1	0.1
R54	Senility	19	1.0
R56	Convulsions, Not Elsewhere Classified	8	0.4
R57	Shock, Not Elsewhere Classified	10	0.6
R58	Hemorrhage, Not Elsewhere Classified	2	0.1
R59	Enlarged Lymph Nodes	1	0.1
R62	Lack of Expected Normal Physiological Development	7	0.4
R63	Symptoms and Signs Concerning Food and Fluid Intake	1	0.1
R64	Cachexia	2	0.1
R90-R94	Abnormal Findings on Diagnostic Imaging and in Function Studies, without Diagnosis	1	0.1
R91	Abnormal Findings on Diagnostic Imaging of Lung	1	0.1
R95-R99	Ill-Defined and Unknown Causes of Mortality	167	9.2
R95	Sudden Infant Death Syndrome	15	0.8
R99	Other Ill-Defined and Unspecified Causes of Mortality	152	8.4
V01-Y98	External Causes of Morbidity and Mortality	1,573	86.6
V01-V99	Transport Accidents	449	24.7
V01-V09	Pedestrian Injured in Transport Accident	38	2.1
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	13	0.7
V04	Pedestrian Injured in Collision with Heavy Transport Vehicle or Bus	2	0.1
V05	Pedestrian Injured in Collision with Railway Train or Railway Vehicle	4	0.2

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	19	1.0
V10-V19	Pedal Cyclist Injured in Transport Accident	1	0.1
V14	Pedal Cyclist Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V20-V29	Motorcycle Rider Injured in Transport Accident	28	1.5
V20	Motorcycle Rider Injured in Collision with Pedestrian or Animal	1	0.1
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	8	0.4
V24	Motorcycle Rider Injured in Collision with Heavy Transport Vehicle or Bus	2	0.1
V28	Motorcycle Rider Injured in Noncollision Transport Accident	7	0.4
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	10	0.6
V40-V49	Car Occupant Injured in Transport Accident	102	5.6
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	29	1.6
V44	Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus	10	0.6
V45	Car Occupant Injured in Collision with Railway Train or Railway Vehicle	2	0.1
V47	Car Occupant Injured in Collision with Fixed or Stationary Object	17	0.9
V48	Car Occupant Injured in Noncollision Transport Accident	26	1.4
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	18	1.0
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	13	0.7
V53	Occupant of Pickup or Van Injured in Collision with Car, Pickup Truck or Van	1	0.1
V54	Occupant of Pickup or Van Injured in Collision with Heavy Transport Vehicle or Bus	3	0.2
V57	Occupant of Pickup or Van Injured in Collision with Fixed or Stationary Object	2	0.1
V58	Occupant of Pickup or Van Injured in Noncollision Transport Accident	6	0.3
V59	Occupant of Pickup or Van Injured in Other and Unspecified Transport Accidents	1	0.1
V60-V69	Occupant of Heavy Transport Vehicle Injured in Transport Accident	6	0.3
V64	Occupant of Heavy Transport Vehicle Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V68	Occupant of Heavy Transport Vehicle Injured in Noncollision Transport Accident	2	0.1
V69	Occupant of Heavy Transport Vehicle Injured in Other and Unspecified Transport Accidents	3	0.2
V80-V89	Other Land Transport Accidents	256	14.1
V80	Animal Rider or Occupant of Animal-Drawn Vehicle Injured in Transport Accident	1	0.1
V84	Occupant of Special Vehicle Mainly Used in Agriculture Injured in Transport Accident	3	0.2

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
V85	Occupant of Special Construction Vehicle Injured in Transport Accident	1	0.1
V86	Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident	30	1.7
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	72	4.0
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	149	8.2
V90-V94	Water Transport Accidents	2	0.1
V90	Accident to Watercraft Causing Drowning and Submersion	2	0.1
V95-V97	Air and Space Transport Accidents	3	0.2
V95	Accident to Powered Aircraft Causing Injury to Occupant	2	0.1
V96	Accident to Nonpowered Aircraft Causing Injury to Occupant	1	0.1
W00-X59	Other External Causes of Accidental Injury	647	35.6
W00-W19	Falls	160	8.8
W00	Fall on Same Level Involving Ice and Snow	5	0.3
W01	Fall on Same Level from Slipping, Tripping and Stumbling	4	0.2
W05	Fall Involving Wheelchair	3	0.2
W06	Fall Involving Bed	8	0.4
W07	Fall Involving Chair	3	0.2
W09	Fall Involving Playground Equipment	1	0.1
W10	Fall on and from Stairs and Steps	23	1.3
W11	Fall on and from Ladder	1	0.1
W12	Fall on and from Scaffolding	2	0.1
W13	Fall from, out of or through Building or Structure	8	0.4
W18	Other Fall on Same Level	30	1.7
W19	Unspecified Fall	72	4.0
W20-W49	Exposure to Inanimate Mechanical forces	28	1.5
W20	Struck by Thrown, Projected or Falling Object	13	0.7
W23	Caught, Crushed, Jammed or Pinched in or between Objects	1	0.1
W29	Contact with Other Powered Hand Tools and Household Machinery	1	0.1
W31	Contact with Other and Unspecified Machinery	6	0.3
W33	Rifle, Shotgun and Larger Firearm Discharge	1	0.1

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
W34	Discharge from Other and Unspecified Firearms	2	0.1
W37	Explosion and Rupture of Pressurized Tire, Pipe or Hose	1	0.1
W40	Explosion of Other Materials	3	0.2
W65-W74	Accidental Drowning and Submersion	18	1.0
W65	Drowning and Submersion while in Bathtub	1	0.1
W66	Drowning and Submersion Following Fall in Bath Tub	1	0.1
W67	Drowning and Submersion while in Swimming Pool	4	0.2
W69	Drowning and Submersion while in Natural Water	10	0.6
W74	Unspecified Drowning and Submersion	2	0.1
W75-W84	Other Accidental Threats to Breathing	57	3.1
W75	Accidental Suffocation and Strangulation in Bed	1	0.1
W76	Other Accidental Hanging and Strangulation	4	0.2
W77	Threat to Breathing due to Cave-In, Falling Earth and Other Substances	2	0.1
W79	Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	15	0.8
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	32	1.8
W83	Other Specified Threats to Breathing	2	0.1
W84	Unspecified Threat to Breathing	1	0.1
W85-W99	Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure	10	0.6
W85	Exposure to Electric Transmission Lines	4	0.2
W86	Exposure to Other Specified Electric Current	2	0.1
W87	Exposure to Unspecified Electric Current	4	0.2
X00-X09	Exposure to Smoke, Fire and Flames	26	1.4
X00	Exposure to Uncontrolled Fire in Building or Structure	3	0.2
X03	Exposure to Controlled Fire, Not in Building or Structure	2	0.1
X04	Exposure to Ignition of Highly Flammable Material	2	0.1
X08	Exposure to Other Specified Smoke, Fire and Flames	19	1.0
X20-X29	Contact with Venomous Animals and Plants	2	0.1
X23	Contact with Hornets, Wasps and Bees	2	0.1
X30-X39	Exposure to forces of Nature	8	0.4

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
X31	Exposure to Excessive Natural Cold	6	0.3
X38	Victim of Flood	2	0.1
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	306	16.9
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	20	1.1
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	117	6.4
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	165	9.1
X47	Accidental Poisoning by Other Gases and Vapors	4	0.2
X58-X59	Accidental Exposure to Other and Unspecified Factors	32	1.8
X58	Exposure to Other Specified Factors	5	0.3
X59	Exposure to Unspecified Factors	27	1.5
X60-X84	Intentional Self-Harm	281	15.5
X60	Intentional Self-Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	1	0.1
X61	Intentional Self-Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs	12	0.7
X62	Intentional Self-Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	2	0.1
X63	Intentional Self-Poisoning by Other Drugs Acting on the Autonomic Nervous System	1	0.1
X64	Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	18	1.0
X67	Intentional Self-Poisoning by Other Gases and Vapors	5	0.3
X68	Intentional Self-Poisoning by Pesticides	1	0.1
X69	Intentional Self-Poisoning by Other and Unspecified Chemicals and Noxious Substances	1	0.1
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	40	2.2
X71	Intentional Self-Harm by Drowning and Submersion	2	0.1
X72	Intentional Self-Harm by Handgun Discharge	37	2.0
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	40	2.2
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	115	6.3
X76	Intentional Self-Harm by Smoke, Fire and Flames	4	0.2
X80	Intentional Self-Harm by Jumping from a High Place	2	0.1
X85-Y09	Assault	79	4.4
X91	Assault by Hanging, Strangulation and Suffocation	2	0.1
X93	Assault by Handgun Discharge	4	0.2

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Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	7	0.4
X95	Assault by Other and Unspecified Firearm Discharge	41	2.3
X97	Assault by Smoke, Fire and Flames	1	0.1
X99	Assault by Sharp Object	10	0.6
Y00	Assault by Blunt Object	8	0.4
Y01	Assault by Pushing from High Place	1	0.1
Y04	Assault by Bodily force	1	0.1
Y08	Assault by Other Specified Means	1	0.1
Y09	Assault by Unspecified Means	3	0.2
Y10-Y34	Event of Undetermined Intent	73	4.0
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined Intent	4	0.2
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent	5	0.3
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	10	0.6
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	1	0.1
Y21	Drowning and Submersion, Undetermined Intent	5	0.3
Y22	Handgun Discharge, Undetermined Intent	1	0.1
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	17	0.9
Y31	Falling, Lying or Running Before or Into Moving Object, Undetermined Intent	1	0.1
Y33	Other Specified Events, Undetermined Intent	16	0.9
Y34	Unspecified Event, Undetermined Intent	13	0.7
Y35-Y36	Legal Intervention and Operations of War	5	0.3
Y35	Legal Intervention	5	0.3
Y40-Y84	Complications of Medical and Surgical Care	31	1.7
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	11	0.6
Y42	Hormones and Their Synthetic Substitutes and Antagonists, Not Elsewhere Classified	1	0.1
Y43	Primarily Systemic Agents	1	0.1
Y44	Agents Primarily Affecting Blood Constituents	3	0.2
Y45	Analgesics, Antipyretics and Anti-Inflammatory Drugs	1	0.1
Y49	Psychotropic Drugs, Not Elsewhere Classified	2	0.1

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2004
Table 42 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
Y52	Agents Primarily Affecting the Cardiovascular System	1	0.1
Y57	Other and Unspecified Drugs and Medicaments	2	0.1
Y60-Y69	Misadventures to Patients during Surgical and Medical Care	1	0.1
Y60	Unintentional Cut, Puncture, Perforation or Hemorrhage during Surgical and Medical Care	1	0.1
Y70-Y82	Medical Devices Associated with Adverse Incidents in Diagnostic and Therapeutic Use	2	0.1
Y71	Cardiovascular Devices Associated with Adverse Incidents	1	0.1
Y80	Physical Medicine Devices Associated with Adverse Incidents	1	0.1
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	17	0.9
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	14	0.8
Y84	Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	3	0.2
Y85-Y89	Sequelae of External Causes of Morbidity and Mortality	8	0.4
Y85	Sequelae of Transport Accidents	5	0.3
Y86	Sequelae of Other Accidents	3	0.2

Rates for total deaths are per 1,000 population. All other rates are deaths per 100,000 population except where otherwise noted.

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Selected Causes of Resident Deaths: Number and Rate* by District**
West Virginia, 2004
Table 43

Selected Causes of Death	Number and Rate by District									
	District 1		District 2		District 3		District 4		District 5	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	21	8.7	15	5.0	28	7.9	12	8.0	14	7.4
Total Deaths, All Causes	2,749	12.6	2,988	12.0	3,329	11.7	1,747	12.3	1,834	10.7
---Deaths under 1 Year	18	7.5	23	7.7	27	7.6	8	5.3	20	10.6
---Deaths under 28 Days	12	5.0	15	5.0	12	3.4	7	4.6	16	8.5
Tuberculosis	0	0.0	0	0.0	2	0.7	2	1.4	0	0.0
Septicemia	44	20.2	59	23.6	56	19.6	22	15.5	19	11.1
Human Immunodeficiency Virus Infection	0	0.0	2	0.8	6	2.1	1	0.7	1	0.6
Malignant Neoplasms	624	286.2	687	275.1	753	264.0	374	263.4	407	237.3
---of Digestive Organs	151	69.3	134	53.7	181	63.5	88	62.0	67	39.1
-----Colon	58	26.6	52	20.8	59	20.7	38	26.8	30	17.5
-----Pancreas	32	14.7	32	12.8	36	12.6	15	10.6	10	5.8
---of Respiratory and Intrathoracic Organs	185	84.8	259	103.7	235	82.4	112	78.9	145	84.6
-----Trachea, Bronchus, and Lung	176	80.7	254	101.7	231	81.0	110	77.5	143	83.4
---of Breast	43	22.0	43	17.2	48	16.8	20	14.1	20	11.7
---of Genitourinary Organs	87	39.9	98	39.2	101	35.4	60	42.3	58	33.8
-----Cervix Uteri	5	2.3	7	2.8	8	2.8	1	0.7	1	0.6
-----Ovary	14	6.4	21	8.4	21	7.4	10	7.0	15	8.7
-----Prostate	29	13.3	27	10.8	25	8.8	15	10.6	18	10.5
-----Bladder	12	5.5	20	8.0	21	7.4	13	9.2	10	5.8
---All Other (Malignant Neoplasms)	153	70.2	153	61.3	188	65.9	94	66.2	117	68.2
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	12	5.5	16	6.4	16	5.6	8	5.6	12	7.0
Diabetes Mellitus	119	54.6	117	46.9	139	48.7	58	40.8	70	40.8
Alzheimer's Disease	39	17.9	96	38.4	93	32.6	38	26.8	34	19.8
Major Cardiovascular Disease	950	435.7	969	388.0	1,146	401.8	639	450.0	717	418.1
---Diseases of the Heart	759	348.1	731	292.7	867	304.0	481	338.7	505	294.5
-----Ischemic Heart Disease	499	228.9	493	197.4	609	213.5	303	213.4	356	207.6
---Essential Hypertension and Hypertensive Renal Disease	13	6.0	26	10.4	41	14.4	33	23.2	21	12.2
---Cerebrovascular Diseases	146	67.0	174	69.7	191	67.0	105	73.9	125	72.9
---Atherosclerosis	8	3.7	5	2.0	11	3.9	0	0.0	46	26.8
---Other Diseases of Arteries, Arterioles, and Capillaries	24	11.0	33	13.2	36	12.6	20	14.1	20	11.7
Influenza and Pneumonia	40	18.3	52	20.8	71	24.9	34	23.9	41	23.9
---Influenza	3	1.4	1	0.4	1	0.4	2	1.4	0	0.0
---Pneumonia	37	17.0	51	20.4	70	24.5	32	22.5	41	23.9
Chronic Lower Respiratory Diseases	187	85.8	205	82.1	171	60.0	101	71.1	122	71.1
Lung Diseases due to External Agents	54	24.8	33	13.2	31	10.9	31	21.8	8	4.7
---Coalworker's Pneumoconiosis	38	17.4	14	5.6	7	2.5	16	11.3	1	0.6
Chronic Liver Disease and Cirrhosis	45	20.6	39	15.6	47	16.5	25	17.6	22	12.8
Nephritis, Nephrotic Syndrome, and Nephrosis	63	28.9	77	30.8	71	24.9	62	43.7	33	19.2
Congenital Anomalies	11	5.0	10	4.0	12	4.2	2	1.4	6	3.5
Ill-Defined and Unknown Causes of Death	13	6.0	37	14.8	29	10.2	16	11.3	8	4.7
Accidents	169	77.5	199	79.7	166	58.2	104	73.2	70	40.8
---Motor Vehicle Injuries	56	25.7	70	28.0	42	14.7	47	33.1	30	17.5
---Falls	15	6.9	30	12.0	24	8.4	7	4.9	15	8.7
---Smoke, Fires, and Flames	3	1.4	7	2.8	5	1.8	4	2.8	1	0.6
---Drownings	1	0.5	6	2.4	4	1.4	1	0.7	1	0.6
---Poisonings	66	30.3	59	23.6	53	18.6	26	18.3	14	8.2
---Other Accidents	28	12.8	27	10.8	38	13.3	19	13.4	9	5.2
Intentional Self-Harm	40	18.3	34	13.6	41	14.4	30	21.1	32	18.7
Assault	10	4.6	15	6.0	17	6.0	6	4.2	6	3.5
All Other Causes (Residual)	329	150.9	341	136.6	462	162.0	194	136.6	226	131.8

* All rates are deaths per 100,000 population except fetal deaths, deaths under 1 year, and deaths under 28 days, all of which are per 1,000 live births, and total deaths, which are per 1,000 population.

** Public Health Management Districts

West Virginia Bureau for Public Health
Health Statistics Center, 2006

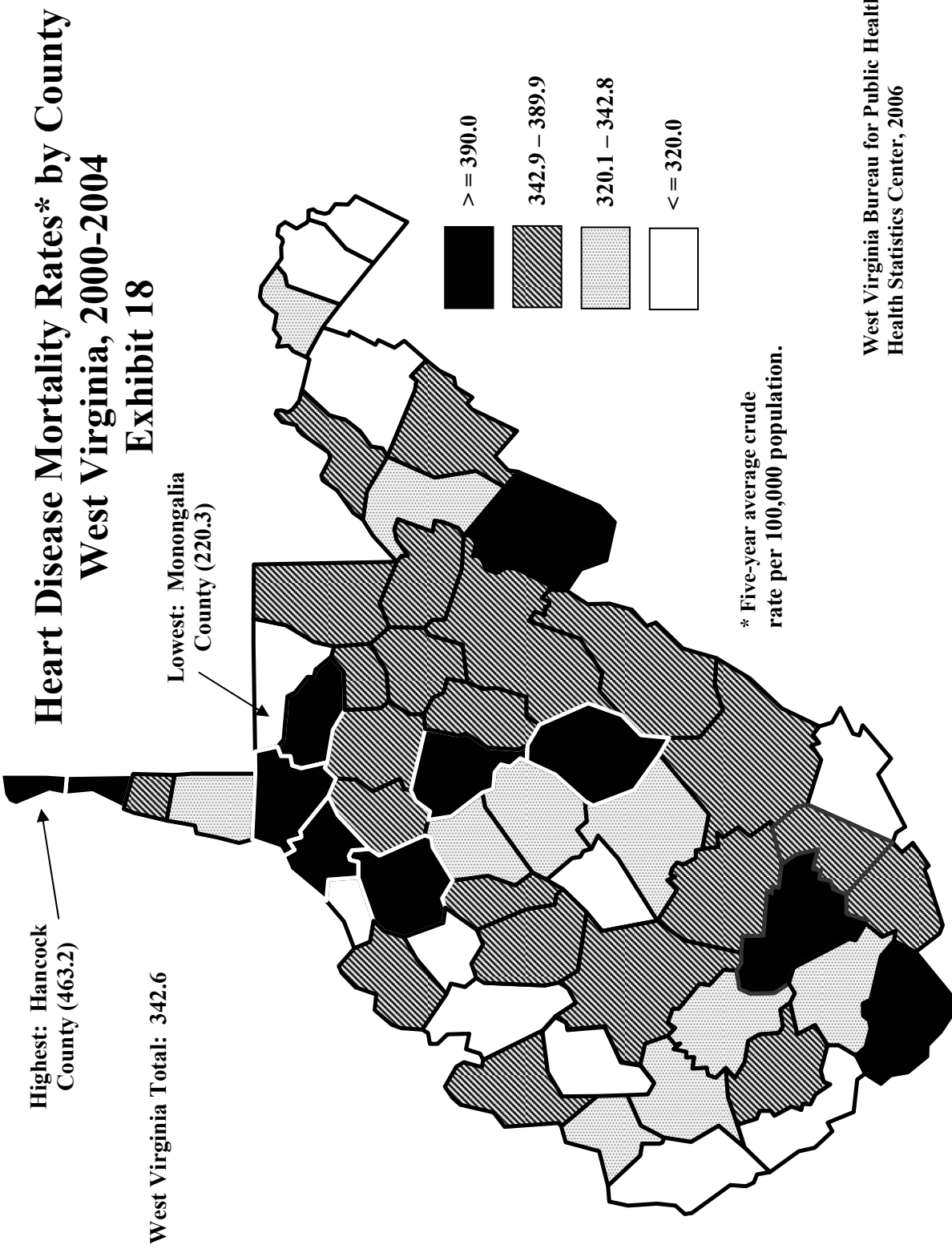
Selected Causes of Resident Deaths: Number and Rate* by District**
West Virginia, 2004
Table 43 (Continued)

Selected Causes of Death	Number and Rate by District							
	District 6		District 7		District 8		Total	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	9	5.7	24	6.0	12	4.1	135	6.5
Total Deaths, All Causes	1,988	13.0	3,934	10.9	2,207	9.4	20,776	11.4
---Deaths under 1 Year	18	11.3	23	5.7	21	7.1	158	7.6
---Deaths under 28 Days	12	7.6	16	4.0	11	3.7	101	4.8
Tuberculosis	0	0.0	0	0.0	0	0.0	4	0.2
Septicemia	47	30.6	62	17.2	31	13.2	340	18.7
Human Immunodeficiency Virus Infection	4	2.6	10	2.8	4	1.7	28	1.5
Malignant Neoplasms	472	307.5	851	235.6	526	224.6	4,694	258.6
---of Digestive Organs	93	60.6	187	51.8	138	58.9	1,039	57.2
-----Colon	21	13.7	70	19.4	52	22.2	380	20.9
-----Pancreas	32	20.9	46	12.7	34	14.5	237	13.1
---of Respiratory and Intrathoracic Organs	173	112.7	260	72.0	162	69.2	1,531	84.3
-----Trachea, Bronchus, and Lung	170	110.8	251	69.5	152	64.9	1,487	81.9
---of Breast	24	15.6	69	19.1	40	17.1	312	17.2
---of Genitourinary Organs	61	39.7	118	32.7	70	29.9	653	36.0
-----Cervix Uteri	7	4.6	2	0.6	2	0.9	33	1.8
-----Ovary	18	11.7	25	6.9	12	5.1	136	7.5
-----Prostate	17	11.1	38	10.5	21	9.0	190	10.5
-----Bladder	11	7.2	17	4.7	13	5.6	117	6.4
---All Other (Malignant Neoplasms)	121	78.8	217	60.1	116	49.5	1,159	63.8
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	13	8.5	20	5.5	14	6.0	111	6.1
Diabetes Mellitus	78	50.8	189	52.3	80	34.2	850	46.8
Alzheimer's Disease	40	26.1	113	31.3	54	23.1	507	27.9
Major Cardiovascular Disease	730	475.7	1,445	400.0	783	334.4	7,379	406.5
---Diseases of the Heart	562	366.2	1,121	310.3	613	261.8	5,639	310.6
-----Ischemic Heart Disease	397	258.7	784	217.0	368	157.2	3,809	209.8
---Essential Hypertension and Hypertensive Renal Disease	14	9.1	41	11.3	15	6.4	204	11.2
---Cerebrovascular Diseases	120	78.2	223	61.7	113	48.3	1,197	65.9
-----Atherosclerosis	6	3.9	26	7.2	20	8.5	122	6.7
---Other Diseases of Arteries, Arterioles, and Capillaries	28	18.2	34	9.4	22	9.4	217	12.0
Influenza and Pneumonia	59	38.4	77	21.3	42	17.9	416	22.9
---Influenza	0	0.0	0	0.0	4	1.7	11	0.6
---Pneumonia	59	38.4	77	21.3	38	16.2	405	22.3
Chronic Lower Respiratory Diseases	98	63.9	241	66.7	114	48.7	1,239	68.3
Lung Diseases due to External Agents	21	13.7	33	9.1	17	7.3	228	12.6
---Coalworker's Pneumoconiosis	1	0.7	3	0.8	1	0.4	81	4.5
Chronic Liver Disease and Cirrhosis	18	11.7	41	11.3	27	11.5	264	14.5
Nephritis, Nephrotic Syndrome, and Nephrosis	31	20.2	72	19.9	34	14.5	443	24.4
Congenital Anomalies	12	7.8	16	4.4	4	1.7	73	4.0
Ill-Defined and Unknown Causes of Death	21	13.7	26	7.2	17	7.3	167	9.2
Accidents	64	41.7	189	52.3	143	61.1	1,104	60.8
---Motor Vehicle Injuries	18	11.7	75	20.8	70	29.9	408	22.5
---Falls	14	9.1	36	10.0	19	8.1	160	8.8
---Smoke, Fires, and Flames	1	0.7	3	0.8	2	0.9	26	1.4
---Drownings	0	0.0	4	1.1	1	0.4	18	1.0
---Poisonings	17	11.1	42	11.6	29	12.4	306	16.9
---Other Accidents	14	9.1	29	8.0	22	9.4	186	10.2
Intentional Self-Harm	25	16.3	52	14.4	27	11.5	281	15.5
Assault	5	3.3	13	3.6	7	3.0	79	4.4
All Other Causes (Residual)	250	162.9	484	134.0	283	120.9	2,569	141.5

* All rates are deaths per 100,000 population except fetal deaths, deaths under 1 year, and deaths under 28 days, all of which are per 1,000 live births, and total deaths, which are per 1,000 population.

** Public Health Management Districts

West Virginia Bureau for Public Health
Health Statistics Center, 2006

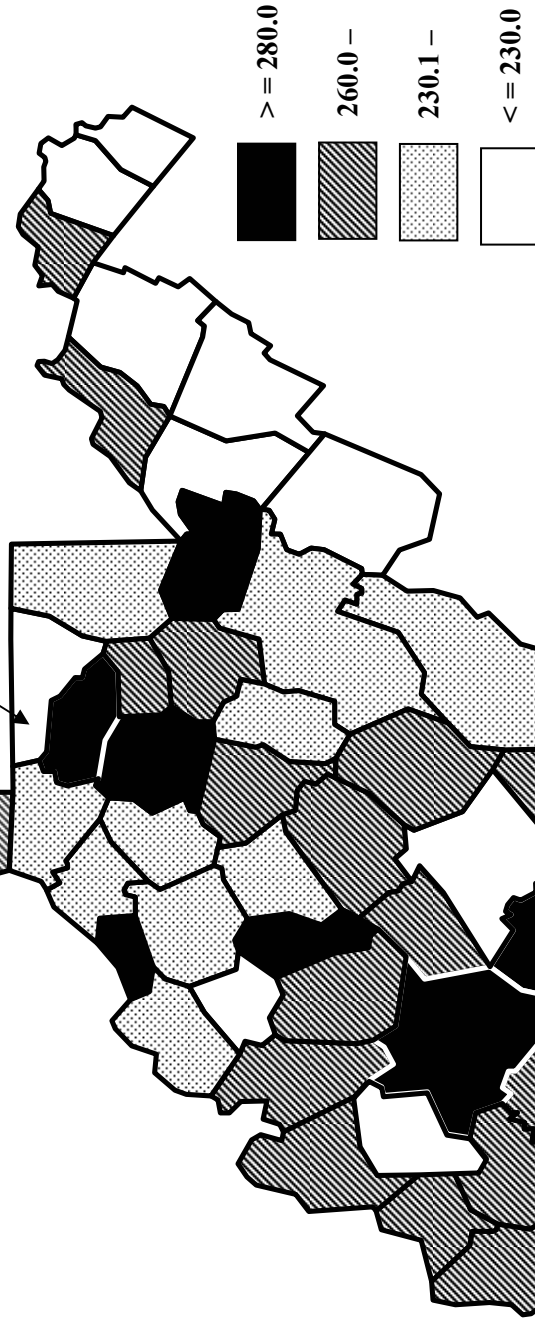


West Virginia Bureau for Public Health
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Malignant Neoplasm Mortality Rates* by County West Virginia, 2000-2004 Exhibit 19

West Virginia Total: 260.0

Lowest: Monongalia
County (171.8)



Highest: McDowell
County (326.0)

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44

Selected Causes of Death	Number and Rate by County									
	Barbour		Berkeley		Boone		Braxton		Brooke	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	5.8	6	4.7	3	9.5	0	0.0	2	8.4
Total Deaths, All Causes	190	12.3	767	8.6	289	11.2	150	10.0	332	13.4
---Deaths under 1 Year	1	5.8	10	7.9	3	9.5	0	0.0	4	16.9
---Deaths under 28 Days	1	5.8	4	3.2	1	3.2	0	0.0	3	12.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	12.9	11	12.3	6	23.3	2	13.4	12	48.4
Human Immunodeficiency Virus Infection	0	0.0	4	4.5	1	3.9	0	0.0	0	0.0
Malignant Neoplasms	43	277.8	186	208.1	61	237.2	32	214.0	59	238.0
---of Digestive Organs	11	71.1	44	49.2	8	31.1	4	26.8	9	36.3
-----Colon	2	12.9	15	16.8	2	7.8	2	13.4	2	8.1
-----Pancreas	4	25.8	9	10.1	1	3.9	0	0.0	2	8.1
---of Respiratory and Intrathoracic Organs	11	71.1	60	67.1	24	93.3	15	100.3	22	88.8
-----Trachea, Bronchus, and Lung	11	71.1	52	58.2	24	93.3	15	100.3	22	88.8
---of Breast	1	6.5	18	20.1	4	15.6	1	6.7	2	8.1
---of Genitourinary Organs	9	58.2	25	28.0	8	31.1	3	20.1	4	16.1
-----Cervix Uteri	0	0.0	1	1.1	0	0.0	0	0.0	0	0.0
-----Ovary	1	6.5	3	3.4	2	7.8	0	0.0	1	4.0
-----Prostate	5	32.3	6	6.7	4	15.6	0	0.0	1	4.0
-----Bladder	1	6.5	6	6.7	2	7.8	2	13.4	1	4.0
---All Other (Malignant Neoplasms)	11	71.1	39	43.6	17	66.1	9	60.2	22	88.8
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	5	5.6	0	0.0	0	0.0	3	12.1
Diabetes Mellitus	6	38.8	33	36.9	12	46.7	6	40.1	10	40.3
Alzheimer's Disease	7	45.2	26	29.1	7	27.2	4	26.8	7	28.2
Major Cardiovascular Disease	68	439.4	255	285.4	102	396.6	54	361.2	120	484.2
---Diseases of the Heart	49	316.6	203	227.2	81	314.9	38	254.2	95	383.3
-----Ischemic Heart Disease	35	226.2	112	125.3	58	225.5	30	200.7	60	242.1
---Essential Hypertension and Hypertensive Renal Disease	5	32.3	3	3.4	2	7.8	2	13.4	1	4.0
---Cerebrovascular Diseases	11	71.1	39	43.6	17	66.1	11	73.6	20	80.7
---Atherosclerosis	0	0.0	1	1.1	1	3.9	0	0.0	1	4.0
---Other Diseases of Arteries, Arterioles, and Capillaries	3	19.4	9	10.1	1	3.9	3	20.1	3	12.1
Influenza and Pneumonia	4	25.8	16	17.9	7	27.2	0	0.0	18	72.6
---Influenza	0	0.0	1	1.1	0	0.0	0	0.0	0	0.0
---Pneumonia	4	25.8	15	16.8	7	27.2	0	0.0	18	72.6
Chronic Lower Respiratory Diseases	10	64.6	27	30.2	8	31.1	10	66.9	11	44.4
Lung Diseases due to External Agents	7	45.2	2	2.2	4	15.6	1	6.7	4	16.1
---Coalworker's Pneumoconiosis	2	12.9	0	0.0	4	15.6	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	6.5	6	6.7	5	19.4	2	13.4	2	8.1
Nephritis, Nephrotic Syndrome, and Nephrosis	4	25.8	15	16.8	6	23.3	4	26.8	5	20.2
Congenital Anomalies	0	0.0	1	1.1	1	3.9	0	0.0	2	8.1
Ill-Defined and Unknown Causes of Death	1	6.5	9	10.1	3	11.7	0	0.0	2	8.1
Accidents	11	71.1	53	59.3	27	105.0	14	93.6	16	64.6
---Motor Vehicle Injuries	4	25.8	19	21.3	10	38.9	6	40.1	4	16.1
---Falls	1	6.5	8	9.0	2	7.8	1	6.7	3	12.1
---Smoke, Fires, and Flames	0	0.0	1	1.1	0	0.0	2	13.4	0	0.0
---Drownings	0	0.0	1	1.1	0	0.0	0	0.0	0	0.0
---Poisonings	5	32.3	12	13.4	10	38.9	2	13.4	5	20.2
---Other Accidents	1	6.5	12	13.4	5	19.4	3	20.1	4	16.1
Intentional Self-Harm	2	12.9	11	12.3	1	3.9	0	0.0	2	8.1
Assault	1	6.5	2	2.2	1	3.9	0	0.0	0	0.0
All Other Causes (Residual)	23	148.6	105	117.5	37	143.9	21	140.5	59	238.0

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
Health Statistics Center, 2006

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)

Selected Causes of Death	Number and Rate by County									
	Cabell		Calhoun		Clay		Doddridge		Fayette	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	7	6.2	1	16.7	1	7.5	1	12.7	3	5.4
Total Deaths, All Causes	1,165	12.3	91	12.3	113	10.8	89	12.0	602	12.8
---Deaths under 1 Year	9	7.9	1	16.7	2	14.9	0	0.0	3	5.4
---Deaths under 28 Days	5	4.4	1	16.7	1	7.5	0	0.0	3	5.4
Tuberculosis	0	0.0	0	0.0	1	9.6	0	0.0	2	4.3
Septicemia	17	17.9	0	0.0	1	9.6	2	27.0	8	17.0
Human Immunodeficiency Virus Infection	2	2.1	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	247	260.5	17	229.3	25	239.8	22	296.6	129	274.2
---of Digestive Organs	48	50.6	4	53.9	7	67.2	5	67.4	30	63.8
-----Colon	21	22.2	1	13.5	3	28.8	2	27.0	14	29.8
-----Pancreas	10	10.5	1	13.5	1	9.6	1	13.5	6	12.8
---of Respiratory and Intrathoracic Organs	88	92.8	6	80.9	8	76.7	8	107.8	39	82.9
-----Trachea, Bronchus, and Lung	85	89.7	6	80.9	8	76.7	8	107.8	37	78.6
---of Breast	16	16.9	0	0.0	3	28.8	0	0.0	6	12.8
---of Genitourinary Organs	35	36.9	2	27.0	1	9.6	0	0.0	21	44.6
-----Cervix Uteri	1	1.1	0	0.0	1	9.6	0	0.0	0	0.0
-----Ovary	9	9.5	1	13.5	0	0.0	0	0.0	3	6.4
-----Prostate	10	10.5	1	13.5	0	0.0	0	0.0	4	8.5
-----Bladder	6	6.3	0	0.0	0	0.0	0	0.0	7	14.9
---All Other (Malignant Neoplasms)	60	63.3	5	67.4	6	57.6	9	121.3	33	70.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	6	6.3	1	13.5	1	9.6	0	0.0	3	6.4
Diabetes Mellitus	39	41.1	5	67.4	7	67.2	6	80.9	27	57.4
Alzheimer's Disease	54	57.0	3	40.5	2	19.2	2	27.0	16	34.0
Major Cardiovascular Disease	382	402.9	34	458.5	32	307.0	30	404.4	211	448.5
Diseases of the Heart	278	293.2	27	364.1	22	211.1	23	310.1	163	346.4
---Ischemic Heart Disease	173	182.5	21	283.2	16	153.5	15	202.2	101	214.7
---Essential Hypertension and Hypertensive Renal Disease	10	10.5	1	13.5	2	19.2	1	13.5	15	31.9
---Cerebrovascular Diseases	75	79.1	4	53.9	5	48.0	5	67.4	28	59.5
---Atherosclerosis	2	2.1	0	0.0	0	0.0	0	0.0	0	0.0
---Other Diseases of Arteries, Arterioles, and Capillaries	17	17.9	2	27.0	3	28.8	1	13.5	5	10.6
Influenza and Pneumonia	20	21.1	1	13.5	4	38.4	1	13.5	14	29.8
---Influenza	1	1.1	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	19	20.0	1	13.5	4	38.4	1	13.5	14	29.8
Chronic Lower Respiratory Diseases	68	71.7	8	107.9	8	76.7	6	80.9	29	61.6
Lung Diseases due to External Agents	7	7.4	0	0.0	0	0.0	0	0.0	15	31.9
---Coalworker's Pneumoconiosis	2	2.1	0	0.0	0	0.0	0	0.0	10	21.3
Chronic Liver Disease and Cirrhosis	17	17.9	1	13.5	3	28.8	1	13.5	9	19.1
Nephritis, Nephrotic Syndrome, and Nephrosis	30	31.6	3	40.5	1	9.6	0	0.0	22	46.8
Congenital Anomalies	1	1.1	0	0.0	0	0.0	0	0.0	1	2.1
Ill-Defined and Unknown Causes of Death	27	28.5	0	0.0	1	9.6	0	0.0	5	10.6
Accidents	69	72.8	4	53.9	11	105.5	6	80.9	23	48.9
---Motor Vehicle Injuries	15	15.8	3	40.5	5	48.0	2	27.0	11	23.4
---Falls	18	19.0	1	13.5	1	9.6	2	27.0	1	2.1
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Drownings	2	2.1	0	0.0	1	9.6	0	0.0	0	0.0
---Poisonings	24	25.3	0	0.0	1	9.6	1	13.5	6	12.8
---Other Accidents	10	10.5	0	0.0	3	28.8	1	13.5	5	10.6
Intentional Self-Harm	13	13.7	2	27.0	0	0.0	1	13.5	10	21.3
Assault	7	7.4	1	13.5	1	9.6	1	13.5	2	4.3
All Other Causes (Residual)	159	167.7	11	148.3	15	143.9	11	148.3	76	161.5

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
Health Statistics Center, 2006

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)

Selected Causes of Death	Number and Rate by County									
	Gilmer		Grant		Greenbrier		Hampshire		Hancock	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	1	7.6	3	8.0	0	0.0	1	2.9
Total Deaths, All Causes	78	11.2	118	10.2	452	13.0	216	10.0	424	13.5
---Deaths under 1 Year	1	13.9	0	0.0	1	2.7	3	13.4	4	11.5
---Deaths under 28 Days	1	13.9	0	0.0	1	2.7	1	4.5	2	5.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	14.3	1	8.7	3	8.6	4	18.6	16	50.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	2.9	0	0.0	1	3.2
Malignant Neoplasms	13	186.2	23	199.4	87	249.4	54	250.7	110	349.1
---of Digestive Organs	2	28.6	4	34.7	25	71.7	11	51.1	22	69.8
-----Colon	1	14.3	2	17.3	6	17.2	3	13.9	6	19.0
-----Pancreas	1	14.3	1	8.7	7	20.1	3	13.9	8	25.4
---of Respiratory and Intrathoracic Organs	4	57.3	8	69.3	18	51.6	14	65.0	39	123.8
-----Trachea, Bronchus, and Lung	4	57.3	8	69.3	18	51.6	14	65.0	38	120.6
---of Breast	0	0.0	2	17.3	5	14.3	4	18.6	6	19.0
---of Genitourinary Organs	1	14.3	1	8.7	15	43.0	10	46.4	16	50.8
-----Cervix Uteri	0	0.0	0	0.0	1	2.9	0	0.0	1	3.2
-----Ovary	0	0.0	0	0.0	4	11.5	2	9.3	4	12.7
-----Prostate	0	0.0	1	8.7	4	11.5	2	9.3	7	22.2
-----Bladder	0	0.0	0	0.0	1	2.9	3	13.9	3	9.5
---All Other (Malignant Neoplasms)	6	85.9	8	69.3	24	68.8	15	69.6	27	85.7
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	2	17.3	4	11.5	1	4.6	1	3.2
Diabetes Mellitus	6	85.9	3	26.0	12	34.4	12	55.7	12	38.1
Alzheimer's Disease	2	28.6	0	0.0	8	22.9	4	18.6	7	22.2
Major Cardiovascular Disease	29	415.4	53	459.4	187	536.0	71	329.6	143	453.9
---Diseases of the Heart	19	272.1	37	320.7	139	398.4	55	255.3	111	352.3
-----Ischemic Heart Disease	15	214.8	27	234.0	73	209.3	32	148.5	83	263.4
---Essential Hypertension and Hypertensive Renal Disease	1	14.3	2	17.3	6	17.2	1	4.6	2	6.3
---Cerebrovascular Diseases	8	114.6	5	43.3	36	103.2	13	60.3	24	76.2
---Atherosclerosis	1	14.3	8	69.3	0	0.0	1	4.6	1	3.2
---Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	1	8.7	6	17.2	1	4.6	5	15.9
Influenza and Pneumonia	2	28.6	1	8.7	11	31.5	3	13.9	13	41.3
---Influenza	0	0.0	0	0.0	1	2.9	0	0.0	0	0.0
---Pneumonia	2	28.6	1	8.7	10	28.7	3	13.9	13	41.3
Chronic Lower Respiratory Diseases	5	71.6	7	60.7	24	68.8	15	69.6	21	66.7
Lung Diseases due to External Agents	0	0.0	1	8.7	7	20.1	0	0.0	3	9.5
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	3	8.6	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	2	17.3	7	20.1	3	13.9	4	12.7
Nephritis, Nephrotic Syndrome, and Nephrosis	1	14.3	3	26.0	18	51.6	0	0.0	11	34.9
Congenital Anomalies	1	14.3	0	0.0	1	2.9	0	0.0	3	9.5
Ill-Defined and Unknown Causes of Death	2	28.6	0	0.0	4	11.5	1	4.6	6	19.0
Accidents	3	43.0	7	60.7	28	80.3	21	97.5	17	54.0
---Motor Vehicle Injuries	2	28.6	3	26.0	14	40.1	13	60.3	3	9.5
---Falls	0	0.0	0	0.0	2	5.7	0	0.0	6	19.0
---Smoke, Fires, and Flames	0	0.0	1	8.7	0	0.0	0	0.0	0	0.0
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Poisonings	0	0.0	1	8.7	8	22.9	6	27.9	5	15.9
---Other Accidents	1	14.3	2	17.3	4	11.5	2	9.3	3	9.5
Intentional Self-Harm	3	43.0	2	17.3	10	28.7	2	9.3	6	19.0
Assault	0	0.0	0	0.0	1	2.9	1	4.6	0	0.0
All Other Causes (Residual)	10	143.2	13	112.7	39	111.8	24	111.4	50	158.7

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)

Selected Causes of Death	Number and Rate by County											
	Hardy		Harrison		Jackson		Jefferson		Kanawha			
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
Fetal Deaths	0	0.0	5	5.9	2	6.4	4	6.2	23	9.4		
Total Deaths, All Causes	141	10.7	844	12.4	259	9.1	388	8.1	2,463	12.6		
---Deaths under 1 Year	0	0.0	5	5.9	5	16.0	6	9.4	14	5.7		
---Deaths under 28 Days	0	0.0	5	5.9	4	12.8	4	6.2	5	2.0		
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5		
Septicemia	2	15.1	8	11.7	4	14.0	6	12.6	43	22.0		
Human Immunodeficiency Virus Infection	0	0.0	3	4.4	0	0.0	0	0.0	4	2.0		
Malignant Neoplasms	26	196.8	210	307.5	63	221.2	91	190.9	550	281.7		
---of Digestive Organs	7	53.0	50	73.2	5	17.6	29	60.8	136	69.7		
-----Colon	4	30.3	20	29.3	4	14.0	16	33.6	42	21.5		
-----Pancreas	1	7.6	7	10.2	0	0.0	7	14.7	24	12.3		
---of Respiratory and Intrathoracic Organs	6	45.4	72	105.4	24	84.3	30	62.9	166	85.0		
-----Trachea, Bronchus, and Lung	6	45.4	71	103.9	24	84.3	29	60.8	163	83.5		
---of Breast	2	15.1	16	23.4	0	0.0	4	8.4	38	19.5		
---of Genitourinary Organs	2	15.1	23	33.7	6	21.1	13	27.3	77	39.4		
-----Cervix Uteri	0	0.0	1	1.5	0	0.0	0	0.0	7	3.6		
-----Ovary	0	0.0	4	5.9	2	7.0	4	8.4	17	8.7		
-----Prostate	0	0.0	7	10.2	2	7.0	4	8.4	17	8.7		
-----Bladder	0	0.0	4	5.9	1	3.5	1	2.1	15	7.7		
---All Other (Malignant Neoplasms)	9	68.1	49	71.7	28	98.3	15	31.5	133	68.1		
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	7.6	5	7.3	2	7.0	3	6.3	15	7.7		
Diabetes Mellitus	3	22.7	44	64.4	7	24.6	12	25.2	103	52.8		
Alzheimer's Disease	3	22.7	23	33.7	12	42.1	13	27.3	76	38.9		
Major Cardiovascular Disease	54	408.8	302	442.1	90	316.0	143	300.0	858	439.5		
Diseases of the Heart	38	287.7	221	323.6	57	200.2	112	235.0	639	327.3		
---Ischemic Heart Disease	26	196.8	156	228.4	38	133.4	54	113.3	440	225.4		
---Essential Hypertension and Hypertensive Renal Disease	1	7.6	14	20.5	2	7.0	2	4.2	33	16.9		
---Cerebrovascular Diseases	6	45.4	55	80.5	21	73.7	24	50.4	153	78.4		
---Atherosclerosis	7	53.0	8	11.7	9	31.6	1	2.1	5	2.6		
---Other Diseases of Arteries, Arterioles, and Capillaries	2	15.1	4	5.9	1	3.5	4	8.4	28	14.3		
Influenza and Pneumonia	7	53.0	14	20.5	6	21.1	6	12.6	46	23.6		
---Influenza	1	7.6	0	0.0	0	0.0	2	4.2	0	0.0		
---Pneumonia	6	45.4	14	20.5	6	21.1	4	8.4	46	23.6		
Chronic Lower Respiratory Diseases	6	45.4	42	61.5	21	73.7	26	54.5	123	63.0		
Lung Diseases due to External Agents	3	22.7	5	7.3	1	3.5	2	4.2	25	12.8		
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	1	3.5	0	0.0	3	1.5		
Chronic Liver Disease and Cirrhosis	3	22.7	12	17.6	3	10.5	8	16.8	34	17.4		
Nephritis, Nephrotic Syndrome, and Nephrosis	3	22.7	12	17.6	3	10.5	6	12.6	51	26.1		
Congenital Anomalies	1	7.6	2	2.9	1	3.5	2	4.2	9	4.6		
Ill-Defined and Unknown Causes of Death	0	0.0	6	8.8	0	0.0	5	10.5	22	11.3		
Accidents	9	68.1	39	57.1	11	38.6	16	33.6	105	53.8		
---Motor Vehicle Injuries	7	53.0	11	16.1	3	10.5	8	16.8	20	10.2		
---Falls	0	0.0	9	13.2	4	14.0	1	2.1	18	9.2		
---Smoke, Fires, and Flames	0	0.0	1	1.5	0	0.0	0	0.0	4	2.0		
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	3	1.5		
---Poisonings	1	7.6	12	17.6	1	3.5	6	12.6	35	17.9		
---Other Accidents	1	7.6	6	8.8	3	10.5	1	2.1	25	12.8		
Intentional Self-Harm	2	15.1	9	13.2	5	17.6	4	8.4	31	15.9		
Assault	0	0.0	4	5.9	1	3.5	2	4.2	14	7.2		
All Other Causes (Residual)	18	136.3	104	152.3	29	101.8	43	90.2	353	180.8		

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)

Selected Causes of Death	Number and Rate by County									
	Lewis		Lincoln		Logan		McDowell		Marion	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	4	9.1	3	9.7	6	9.6
Total Deaths, All Causes	209	12.2	276	12.2	475	13.0	397	16.1	694	12.3
---Deaths under 1 Year	1	5.8	3	10.2	4	9.1	1	3.2	5	8.0
---Deaths under 28 Days	1	5.8	2	6.8	4	9.1	1	3.2	2	3.2
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	23.3	6	26.6	14	38.4	14	56.6	20	35.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	2	3.5
Malignant Neoplasms	40	233.5	69	305.8	110	301.4	101	408.5	143	253.3
---of Digestive Organs	4	23.3	13	57.6	14	38.4	26	105.2	27	47.8
-----Colon	2	11.7	3	13.3	3	8.2	9	36.4	13	23.0
-----Pancreas	2	11.7	4	17.7	6	16.4	6	24.3	7	12.4
---of Respiratory and Intrathoracic Organs	18	105.1	25	110.8	47	128.8	28	113.2	45	79.7
-----Trachea, Bronchus, and Lung	15	87.6	25	110.8	46	126.0	27	109.2	42	74.4
---of Breast	4	23.3	5	22.2	6	16.4	12	48.5	9	15.9
---of Genitourinary Organs	5	29.2	7	31.0	21	57.5	15	60.7	24	42.5
-----Cervix Uteri	1	5.8	0	0.0	0	0.0	1	4.0	0	0.0
-----Ovary	0	0.0	0	0.0	4	11.0	2	8.1	4	7.1
-----Prostate	1	5.8	1	4.4	7	19.2	4	16.2	11	19.5
-----Bladder	1	5.8	2	8.9	8	21.9	2	8.1	3	5.3
---All Other (Malignant Neoplasms)	9	52.5	19	84.2	22	60.3	20	80.9	38	67.3
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	11.7	0	0.0	1	2.7	2	8.1	5	8.9
Diabetes Mellitus	8	46.7	12	53.2	18	49.3	13	52.6	49	86.8
Alzheimer's Disease	4	23.3	2	8.9	3	8.2	5	20.2	15	26.6
Major Cardiovascular Disease	83	484.5	81	359.0	168	460.2	130	525.8	249	441.1
---Diseases of the Heart	68	396.9	66	292.5	129	353.4	109	440.8	207	366.7
-----Ischemic Heart Disease	53	309.4	46	203.9	93	254.8	80	323.5	143	253.3
---Essential Hypertension and Hypertensive Renal Disease	2	11.7	2	8.9	4	11.0	3	12.1	4	7.1
---Cerebrovascular Diseases	11	64.2	10	44.3	34	93.1	14	56.6	28	49.6
---Atherosclerosis	1	5.8	1	4.4	0	0.0	1	4.0	1	1.8
---Other Diseases of Arteries, Arterioles, and Capillaries	1	5.8	2	8.9	1	2.7	3	12.1	9	15.9
Influenza and Pneumonia	9	52.5	9	39.9	3	8.2	6	24.3	13	23.0
---Influenza	0	0.0	0	0.0	0	0.0	1	4.0	0	0.0
---Pneumonia	9	52.5	9	39.9	3	8.2	5	20.2	13	23.0
Chronic Lower Respiratory Diseases	19	110.9	19	84.2	36	98.6	19	76.8	38	67.3
Lung Diseases due to External Agents	0	0.0	4	17.7	16	43.8	8	32.4	9	15.9
---Coalworker's Pneumoconiosis	0	0.0	1	4.4	9	24.7	8	32.4	0	0.0
Chronic Liver Disease and Cirrhosis	1	5.8	4	17.7	3	8.2	9	36.4	4	7.1
Nephritis, Nephrotic Syndrome, and Nephrosis	3	17.5	4	17.7	10	27.4	12	48.5	9	15.9
Congenital Anomalies	1	5.8	3	13.3	2	5.5	0	0.0	4	7.1
Ill-Defined and Unknown Causes of Death	3	17.5	1	4.4	2	5.5	3	12.1	2	3.5
Accidents	7	40.9	33	146.3	31	84.9	26	105.2	31	54.9
---Motor Vehicle Injuries	2	11.7	18	79.8	12	32.9	8	32.4	16	28.3
---Falls	0	0.0	2	8.9	3	8.2	2	8.1	8	14.2
---Smoke, Fires, and Flames	2	11.7	4	17.7	0	0.0	1	4.0	0	0.0
---Drownings	1	5.8	1	4.4	0	0.0	0	0.0	0	0.0
---Poisonings	1	5.8	4	17.7	13	35.6	9	36.4	4	7.1
---Other Accidents	1	5.8	4	17.7	3	8.2	6	24.3	3	5.3
Intentional Self-Harm	2	11.7	1	4.4	7	19.2	8	32.4	13	23.0
Assault	2	11.7	1	4.4	1	2.7	2	8.1	3	5.3
All Other Causes (Residual)	21	122.6	27	119.7	50	137.0	39	157.7	85	150.6

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)**

Selected Causes of Death	Number and Rate by County											
	Marshall		Mason		Mercer		Mineral		Mingo			
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	5.6	2	6.7	2	2.8	0	0.0	1	2.7		
Total Deaths, All Causes	396	11.4	289	11.1	816	13.1	304	11.2	337	12.3		
---Deaths under 1 Year	3	8.4	1	3.4	7	9.8	1	3.1	1	2.7		
---Deaths under 28 Days	2	5.6	1	3.4	4	5.6	1	3.1	0	0.0		
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Septicemia	6	17.3	3	11.6	10	16.1	7	25.8	12	43.8		
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Malignant Neoplasms	109	313.9	77	296.8	189	304.5	85	313.1	62	226.4		
---of Digestive Organs	21	60.5	20	77.1	50	80.6	25	92.1	14	51.1		
-----Colon	4	11.5	7	27.0	18	29.0	7	25.8	8	29.2		
-----Pancreas	6	17.3	5	19.3	11	17.7	7	25.8	2	7.3		
---of Respiratory and Intrathoracic Organs	45	129.6	28	107.9	56	90.2	20	73.7	21	76.7		
-----Trachea, Bronchus, and Lung	44	126.7	27	104.1	54	87.0	20	73.7	21	76.7		
---of Breast	7	20.2	5	19.3	14	22.6	7	25.8	3	11.0		
---of Genitourinary Organs	11	31.7	9	34.7	14	22.6	14	51.6	10	36.5		
-----Cervix Uteri	3	8.6	3	11.6	0	0.0	0	0.0	1	3.7		
-----Ovary	2	5.8	0	0.0	5	8.1	3	11.1	2	7.3		
-----Prostate	2	5.8	2	7.7	4	6.4	5	18.4	5	18.3		
-----Bladder	3	8.6	1	3.9	2	3.2	3	11.1	1	3.7		
---All Other (Malignant Neoplasms)	25	72.0	15	57.8	55	88.6	19	70.0	14	51.1		
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	2.9	4	15.4	3	4.8	1	3.7	2	7.3		
Diabetes Mellitus	17	49.0	12	46.3	38	61.2	11	40.5	14	51.1		
Alzheimer's Disease	8	23.0	16	61.7	12	19.3	1	3.7	8	29.2		
Major Cardiovascular Disease	155	446.4	102	393.2	246	396.3	98	361.0	111	405.3		
Diseases of the Heart	110	316.8	77	296.8	186	299.7	72	265.2	89	324.9		
---Ischemic Heart Disease	79	227.5	46	177.3	118	190.1	55	202.6	61	222.7		
---Essential Hypertension and Hypertensive Renal Disease	6	17.3	4	15.4	5	8.1	4	14.7	2	7.3		
---Cerebrovascular Diseases	28	80.6	19	73.2	43	69.3	16	58.9	15	54.8		
---Atherosclerosis	1	2.9	1	3.9	3	4.8	2	7.4	0	0.0		
---Other Diseases of Arteries, Arterioles, and Capillaries	10	28.8	1	3.9	9	14.5	4	14.7	5	18.3		
Influenza and Pneumonia	8	23.0	5	19.3	17	27.4	2	7.4	9	32.9		
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
---Pneumonia	8	23.0	5	19.3	17	27.4	2	7.4	9	32.9		
Chronic Lower Respiratory Diseases	21	60.5	17	65.5	65	104.7	24	88.4	32	116.8		
Lung Diseases due to External Agents	3	8.6	2	7.7	15	24.2	4	14.7	4	14.6		
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	9	14.5	1	3.7	2	7.3		
Chronic Liver Disease and Cirrhosis	4	11.5	1	3.9	14	22.6	2	7.4	8	29.2		
Nephritis, Nephrotic Syndrome, and Nephrosis	4	11.5	6	23.1	19	30.6	3	11.1	13	47.5		
Congenital Anomalies	2	5.8	0	0.0	4	6.4	0	0.0	1	3.7		
Ill-Defined and Unknown Causes of Death	3	8.6	1	3.9	5	8.1	2	7.4	1	3.7		
Accidents	9	25.9	14	54.0	40	64.4	22	81.0	29	105.9		
---Motor Vehicle Injuries	2	5.8	4	15.4	15	24.2	9	33.2	9	32.9		
---Falls	2	5.8	2	7.7	6	9.7	9	33.2	2	7.3		
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	0	0.0	3	11.0		
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	2	7.3		
---Poisonings	1	2.9	5	19.3	14	22.6	1	3.7	8	29.2		
---Other Accidents	4	11.5	3	11.6	5	8.1	3	11.1	5	18.3		
Intentional Self-Harm	6	17.3	4	15.4	13	20.9	3	11.1	3	11.0		
Assault	2	5.8	1	3.9	3	4.8	0	0.0	3	11.0		
All Other Causes (Residual)	38	109.4	24	92.5	123	198.2	39	143.7	25	91.3		

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)

Selected Causes of Death	Number and Rate by County									
	Monongalia		Monroe		Morgan		Nicholas		Ohio	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	3.2	1	8.1	1	6.2	3	11.4	3	6.6
Total Deaths, All Causes	613	7.3	162	11.9	174	11.0	285	10.8	602	13.3
---Deaths under 1 Year	3	3.2	0	0.0	1	6.2	0	0.0	5	10.9
---Deaths under 28 Days	2	2.2	0	0.0	1	6.2	0	0.0	3	6.6
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	8	9.5	1	7.4	0	0.0	4	15.2	8	17.6
Human Immunodeficiency Virus Infection	3	3.6	0	0.0	0	0.0	0	0.0	3	6.6
Malignant Neoplasms	123	146.6	38	280.1	41	259.3	70	266.4	152	334.7
---of Digestive Organs	27	32.2	9	66.3	14	88.6	16	60.9	35	77.1
-----Colon	7	8.3	6	44.2	3	19.0	10	38.1	6	13.2
-----Pancreas	9	10.7	2	14.7	6	38.0	0	0.0	15	33.0
---of Respiratory and Intrathoracic Organs	33	39.3	11	81.1	17	107.5	22	83.7	50	110.1
-----Trachea, Bronchus, and Lung	33	39.3	11	81.1	16	101.2	22	83.7	49	107.9
---of Breast	13	15.5	3	22.1	1	6.3	3	11.4	8	17.6
---of Genitourinary Organs	13	15.5	8	59.0	3	19.0	13	49.5	21	46.2
-----Cervix Uteri	0	0.0	1	7.4	1	6.3	0	0.0	2	4.4
-----Ovary	3	3.6	1	7.4	0	0.0	2	7.6	8	17.6
-----Prostate	3	3.6	3	22.1	2	12.7	4	15.2	5	11.0
-----Bladder	1	1.2	0	0.0	0	0.0	2	7.6	3	6.6
---All Other (Malignant Neoplasms)	37	44.1	7	51.6	6	38.0	16	60.9	38	83.7
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	3	3.6	0	0.0	0	0.0	1	3.8	7	15.4
Diabetes Mellitus	26	31.0	6	44.2	4	25.3	4	15.2	27	59.5
Alzheimer's Disease	23	27.4	2	14.7	6	38.0	7	26.6	16	35.2
Major Cardiovascular Disease	222	264.5	57	420.1	69	436.4	104	395.8	215	473.5
---Diseases of the Heart	173	206.2	46	339.0	62	392.2	74	281.6	167	367.8
-----Ischemic Heart Disease	113	134.7	28	206.4	41	259.3	51	194.1	118	259.9
---Essential Hypertension and Hypertensive Renal Disease	5	6.0	0	0.0	2	12.7	8	30.4	3	6.6
---Cerebrovascular Diseases	34	40.5	8	59.0	5	31.6	19	72.3	35	77.1
---Atherosclerosis	1	1.2	1	7.4	0	0.0	0	0.0	3	6.6
---Other Diseases of Arteries, Arterioles, and Capillaries	9	10.7	2	14.7	0	0.0	3	11.4	7	15.4
Influenza and Pneumonia	17	20.3	3	22.1	5	31.6	4	15.2	16	35.2
---Influenza	0	0.0	1	7.4	0	0.0	0	0.0	0	0.0
---Pneumonia	17	20.3	2	14.7	5	31.6	4	15.2	16	35.2
Chronic Lower Respiratory Diseases	33	39.3	8	59.0	5	31.6	16	60.9	37	81.5
Lung Diseases due to External Agents	3	3.6	2	14.7	2	12.7	5	19.0	4	8.8
---Coalworker's Pneumoconiosis	0	0.0	1	7.4	0	0.0	3	11.4	1	2.2
Chronic Liver Disease and Cirrhosis	9	10.7	4	29.5	2	12.7	2	7.6	5	11.0
Nephritis, Nephrotic Syndrome, and Nephrosis	19	22.6	7	51.6	1	6.3	8	30.4	8	17.6
Congenital Anomalies	1	1.2	2	14.7	0	0.0	0	0.0	5	11.0
Ill-Defined and Unknown Causes of Death	4	4.8	2	14.7	0	0.0	2	7.6	5	11.0
Accidents	31	36.9	9	66.3	8	50.6	19	72.3	15	33.0
---Motor Vehicle Injuries	14	16.7	4	29.5	7	44.3	8	30.4	6	13.2
---Falls	6	7.1	0	0.0	0	0.0	3	11.4	2	4.4
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	1	3.8	0	0.0
---Drownings	0	0.0	1	7.4	0	0.0	1	3.8	0	0.0
---Poisonings	8	9.5	1	7.4	1	6.3	3	11.4	4	8.8
---Other Accidents	3	3.6	3	22.1	0	0.0	3	11.4	3	6.6
Intentional Self-Harm	5	6.0	3	22.1	2	12.7	5	19.0	4	8.8
Assault	0	0.0	0	0.0	1	6.3	1	3.8	3	6.6
All Other Causes (Residual)	83	98.9	18	132.7	28	177.1	33	125.6	72	158.6

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)**

Selected Causes of Death	Number and Rate by County									
	Pendleton		Pleasant		Pocahontas		Preston		Putnam	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	1	11.0	2	6.2	1	1.5
Total Deaths, All Causes	99	12.5	85	11.4	139	15.5	317	10.6	464	8.6
---Deaths under 1 Year	0	0.0	0	0.0	4	44.0	3	9.3	8	12.0
---Deaths under 28 Days	0	0.0	0	0.0	3	33.0	2	6.2	5	7.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	0	0.0	2	22.2	3	10.0	6	11.1
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	3.3	1	1.9
Malignant Neoplasms	20	253.3	16	215.0	30	333.5	61	204.3	117	217.3
---of Digestive Organs	4	50.7	6	80.6	9	100.1	12	40.2	30	55.7
-----Colon	2	25.3	3	40.3	5	55.6	5	16.7	12	22.3
-----Pancreas	0	0.0	0	0.0	1	11.1	3	10.0	10	18.6
---of Respiratory and Intrathoracic Organs	7	88.6	3	40.3	9	100.1	19	63.6	37	68.7
-----Trachea, Bronchus, and Lung	7	88.6	3	40.3	9	100.1	18	60.3	36	66.9
---of Breast	2	25.3	0	0.0	2	22.2	8	26.8	3	5.6
---of Genitourinary Organs	2	25.3	2	26.9	4	44.5	12	40.2	15	27.9
-----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
-----Ovary	0	0.0	1	13.4	0	0.0	3	10.0	2	3.7
-----Prostate	1	12.7	0	0.0	1	11.1	4	13.4	4	7.4
-----Bladder	0	0.0	0	0.0	0	0.0	3	10.0	4	7.4
---All Other (Malignant Neoplasms)	5	63.3	5	67.2	6	66.7	10	33.5	32	59.4
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	12.7	0	0.0	0	0.0	1	3.3	0	0.0
Diabetes Mellitus	2	25.3	3	40.3	5	55.6	8	26.8	17	31.6
Alzheimer's Disease	1	12.7	0	0.0	1	11.1	9	30.1	8	14.9
Major Cardiovascular Disease	40	506.5	33	443.5	39	433.6	124	415.3	154	286.1
---Diseases of the Heart	34	430.5	24	322.5	34	378.0	98	328.2	125	232.2
-----Ischemic Heart Disease	21	265.9	15	201.6	20	222.3	72	241.2	95	176.5
---Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	13.4	0	0.0	2	6.7	4	7.4
---Cerebrovascular Diseases	5	63.3	6	80.6	3	33.4	21	70.3	16	29.7
---Atherosclerosis	0	0.0	2	26.9	0	0.0	3	10.0	5	9.3
---Other Diseases of Arteries, Arterioles, and Capillaries	1	12.7	0	0.0	2	22.2	0	0.0	4	7.4
Influenza and Pneumonia	2	25.3	2	26.9	3	33.4	4	13.4	14	26.0
---Influenza	0	0.0	0	0.0	1	11.1	0	0.0	1	1.9
---Pneumonia	2	25.3	2	26.9	2	22.2	4	13.4	13	24.1
Chronic Lower Respiratory Diseases	4	50.7	6	80.6	12	133.4	26	87.1	32	59.4
Lung Diseases due to External Agents	3	38.0	0	0.0	1	11.1	0	0.0	2	3.7
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	12.7	3	40.3	4	44.5	2	6.7	5	9.3
Nephritis, Nephrotic Syndrome, and Nephrosis	3	38.0	0	0.0	7	77.8	8	26.8	13	24.1
Congenital Anomalies	0	0.0	0	0.0	0	0.0	1	3.3	2	3.7
Ill-Defined and Unknown Causes of Death	0	0.0	0	0.0	5	55.6	3	10.0	3	5.6
Accidents	7	88.6	4	53.8	10	111.2	14	46.9	23	42.7
---Motor Vehicle Injuries	4	50.7	1	13.4	3	33.4	6	20.1	7	13.0
---Falls	1	12.7	1	13.4	0	0.0	3	10.0	3	5.6
---Smoke, Fires, and Flames	0	0.0	0	0.0	1	11.1	0	0.0	1	1.9
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Poisonings	1	12.7	2	26.9	5	55.6	1	3.3	7	13.0
---Other Accidents	1	12.7	0	0.0	1	11.1	4	13.4	5	9.3
Intentional Self-Harm	1	12.7	0	0.0	4	44.5	4	13.4	9	16.7
Assault	1	12.7	0	0.0	1	11.1	2	6.7	1	1.9
All Other Causes (Residual)	13	164.6	18	241.9	15	166.8	46	154.1	57	105.9

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)

Selected Causes of Death	Number and Rate by County									
	Raleigh		Randolph		Ritchie		Roane		Summers	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	10	11.1	2	6.3	0	0.0	1	5.3	4	36.7
Total Deaths, All Causes	882	11.1	353	12.4	126	12.0	180	11.7	165	11.9
---Deaths under 1 Year	8	8.9	2	6.3	3	24.0	0	0.0	1	9.2
---Deaths under 28 Days	5	5.6	0	0.0	1	8.0	0	0.0	1	9.2
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	12	15.2	4	14.0	2	19.1	2	13.0	2	14.5
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	6.5	0	0.0
Malignant Neoplasms	183	231.1	80	280.8	22	209.8	40	260.4	37	267.9
---of Digestive Organs	48	60.6	18	63.2	3	28.6	6	39.1	9	65.2
-----Colon	20	25.3	4	14.0	2	19.1	2	13.0	2	14.5
-----Pancreas	9	11.4	5	17.5	1	9.5	2	13.0	1	7.2
---of Respiratory and Intrathoracic Organs	54	68.2	21	73.7	8	76.3	11	71.6	15	108.6
-----Trachea, Bronchus, and Lung	51	64.4	20	70.2	8	76.3	11	71.6	14	101.4
---of Breast	14	17.7	10	35.1	0	0.0	1	6.5	2	14.5
---of Genitourinary Organs	26	32.8	12	42.1	5	47.7	11	71.6	4	29.0
-----Cervix Uteri	1	1.3	0	0.0	1	9.5	0	0.0	0	0.0
-----Ovary	2	2.5	4	14.0	1	9.5	3	19.5	1	7.2
-----Prostate	9	11.4	3	10.5	2	19.1	4	26.0	3	21.7
-----Bladder	5	6.3	2	7.0	0	0.0	1	6.5	0	0.0
---All Other (Malignant Neoplasms)	41	51.8	19	66.7	6	57.2	11	71.6	7	50.7
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	5	6.3	2	7.0	2	19.1	1	6.5	0	0.0
Diabetes Mellitus	42	53.0	15	52.6	1	9.5	5	32.6	8	57.9
Alzheimer's Disease	10	12.6	11	38.6	0	0.0	11	71.6	3	21.7
Major Cardiovascular Disease	351	443.3	135	473.8	56	534.0	57	371.1	57	412.8
---Diseases of the Heart	284	358.7	105	368.5	41	391.0	42	273.5	48	347.6
-----Ischemic Heart Disease	186	234.9	77	270.2	31	295.6	33	214.9	32	231.7
---Essential Hypertension and Hypertensive Renal Disease	2	2.5	2	7.0	0	0.0	1	6.5	1	7.2
---Cerebrovascular Diseases	54	68.2	22	77.2	10	95.4	12	78.1	7	50.7
---Atherosclerosis	1	1.3	2	7.0	2	19.1	0	0.0	1	7.2
---Other Diseases of Arteries, Arterioles, and Capillaries	10	12.6	4	14.0	3	28.6	2	13.0	0	0.0
Influenza and Pneumonia	8	10.1	11	38.6	3	28.6	4	26.0	4	29.0
---Influenza	1	1.3	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	7	8.8	11	38.6	3	28.6	4	26.0	4	29.0
Chronic Lower Respiratory Diseases	57	72.0	22	77.2	7	66.8	17	110.7	8	57.9
Lung Diseases due to External Agents	20	25.3	6	21.1	0	0.0	1	6.5	2	14.5
---Coalworker's Pneumoconiosis	13	16.4	1	3.5	0	0.0	0	0.0	1	7.2
Chronic Liver Disease and Cirrhosis	10	12.6	4	14.0	1	9.5	2	13.0	4	29.0
Nephritis, Nephrotic Syndrome, and Nephrosis	17	21.5	3	10.5	5	47.7	3	19.5	4	29.0
Congenital Anomalies	4	5.1	1	3.5	1	9.5	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	1	3.5	3	28.6	0	0.0	1	7.2
Accidents	49	61.9	20	70.2	4	38.1	7	45.6	12	86.9
---Motor Vehicle Injuries	16	20.2	10	35.1	2	19.1	5	32.6	2	14.5
---Falls	4	5.1	2	7.0	0	0.0	0	0.0	1	7.2
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Poisonings	21	26.5	7	24.6	1	9.5	1	6.5	9	65.2
---Other Accidents	8	10.1	1	3.5	1	9.5	1	6.5	0	0.0
Intentional Self-Harm	11	13.9	4	14.0	2	19.1	1	6.5	1	7.2
Assault	2	2.5	0	0.0	0	0.0	2	13.0	0	0.0
All Other Causes (Residual)	101	127.6	34	119.3	17	162.1	26	169.3	22	159.3

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West Virginia Bureau for Public Health
Health Statistics Center, 2006

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)

Selected Causes of Death	Number and Rate by County											
	Taylor			Tucker			Tyler			Upshur		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	2	33.9	0	0.0	2	7.0	1	2.2		
Total Deaths, All Causes	195	12.0	85	12.1	104	11.1	267	11.1	446	10.5		
---Deaths under 1 Year	0	0.0	0	0.0	1	11.1	2	7.0	5	11.1		
---Deaths under 28 Days	0	0.0	0	0.0	1	11.1	2	7.0	3	6.6		
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Septicemia	3	18.5	2	28.4	3	32.0	5	20.8	7	16.5		
Human Immunodeficiency Virus Infection	1	6.2	0	0.0	0	0.0	0	0.0	0	0.0		
Malignant Neoplasms	40	246.9	23	326.4	29	309.7	53	220.9	122	287.0		
---of Digestive Organs	11	67.9	4	56.8	6	64.1	16	66.7	25	58.8		
-----Colon	2	12.3	3	42.6	1	10.7	9	37.5	10	23.5		
-----Pancreas	4	24.7	1	14.2	4	42.7	2	8.3	5	11.8		
---of Respiratory and Intrathoracic Organs	7	43.2	6	85.2	13	138.8	16	66.7	50	117.6		
-----Trachea, Bronchus, and Lung	7	43.2	6	85.2	12	128.1	16	66.7	50	117.6		
---of Breast	1	6.2	3	42.6	1	10.7	4	16.7	8	18.8		
---of Genitourinary Organs	9	55.5	4	56.8	1	10.7	6	25.0	16	37.6		
-----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	2	4.7		
-----Ovary	3	18.5	0	0.0	0	0.0	3	12.5	4	9.4		
-----Prostate	2	12.3	2	28.4	1	10.7	0	0.0	2	4.7		
-----Bladder	0	0.0	1	14.2	0	0.0	1	4.2	2	4.7		
---All Other (Malignant Neoplasms)	12	74.1	6	85.2	8	85.4	11	45.8	23	54.1		
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	6.2	0	0.0	1	10.7	1	4.2	3	7.1		
Diabetes Mellitus	5	30.9	3	42.6	4	42.7	13	54.2	22	51.7		
Alzheimer's Disease	7	43.2	1	14.2	0	0.0	9	37.5	13	30.6		
Major Cardiovascular Disease	72	444.4	26	369.0	35	373.7	105	437.6	125	294.0		
Diseases of the Heart	50	308.6	22	312.2	22	234.9	86	358.4	92	216.4		
---Ischemic Heart Disease	38	234.5	15	212.9	21	224.2	52	216.7	74	174.1		
---Essential Hypertension and Hypertensive Renal Disease	4	24.7	0	0.0	3	32.0	1	4.2	4	9.4		
---Cerebrovascular Diseases	8	49.4	3	42.6	7	74.7	17	70.8	21	49.4		
---Atherosclerosis	8	49.4	0	0.0	1	10.7	1	4.2	1	2.4		
---Other Diseases of Arteries, Arterioles, and Capillaries	2	12.3	1	14.2	2	21.4	0	0.0	7	16.5		
Influenza and Pneumonia	1	6.2	0	0.0	5	53.4	1	4.2	6	14.1		
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
---Pneumonia	1	6.2	0	0.0	5	53.4	1	4.2	6	14.1		
Chronic Lower Respiratory Diseases	15	92.6	7	99.3	4	42.7	18	75.0	33	77.6		
Lung Diseases due to External Agents	3	18.5	0	0.0	0	0.0	0	0.0	0	0.0		
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Chronic Liver Disease and Cirrhosis	3	18.5	0	0.0	1	10.7	4	16.7	6	14.1		
Nephritis, Nephrotic Syndrome, and Nephrosis	6	37.0	3	42.6	3	32.0	4	16.7	14	32.9		
Congenital Anomalies	1	6.2	0	0.0	1	10.7	4	16.7	3	7.1		
Ill-Defined and Unknown Causes of Death	2	12.3	1	14.2	0	0.0	1	4.2	5	11.8		
Accidents	9	55.5	6	85.2	4	42.7	12	50.0	23	54.1		
---Motor Vehicle Injuries	3	18.5	2	28.4	2	21.4	3	12.5	12	28.2		
---Falls	2	12.3	0	0.0	1	10.7	3	12.5	3	7.1		
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
---Drownings	1	6.2	0	0.0	1	10.7	2	8.3	1	2.4		
---Poisonings	1	6.2	2	28.4	0	0.0	0	0.0	5	11.8		
---Other Accidents	2	12.3	2	28.4	0	0.0	4	16.7	2	4.7		
Intentional Self-Harm	2	12.3	2	28.4	1	10.7	5	20.8	6	14.1		
Assault	0	0.0	0	0.0	0	0.0	0	0.0	2	4.7		
All Other Causes (Residual)	24	148.1	11	156.1	13	138.8	32	133.4	56	131.7		

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2004
Table 44 (continued)

Selected Causes of Death	Number and Rate by County									
	Webster		Wetzel		Wirt		Wood		Wyoming	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	22.2	1	5.3	1	16.4	9	9.1	1	4.0
Total Deaths, All Causes	119	12.1	234	13.7	58	9.9	931	10.7	327	13.2
---Deaths under 1 Year	0	0.0	2	10.5	0	0.0	10	10.1	1	4.0
---Deaths under 28 Days	0	0.0	2	10.5	0	0.0	9	9.1	1	4.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	30.5	5	29.3	1	17.1	7	8.0	5	20.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	26	264.0	42	246.4	15	257.1	205	235.4	76	307.7
---of Digestive Organs	4	40.6	6	35.2	5	85.7	32	36.7	9	36.4
-----Colon	1	10.2	3	17.6	1	17.1	16	18.4	3	12.1
-----Pancreas	1	10.2	1	5.9	0	0.0	2	2.3	3	12.1
---of Respiratory and Intrathoracic Organs	9	91.4	17	99.7	4	68.6	76	87.3	21	85.0
-----Trachea, Bronchus, and Lung	9	91.4	17	99.7	4	68.6	75	86.1	19	76.9
---of Breast	3	30.5	1	5.9	1	17.1	17	19.5	3	12.1
---of Genitourinary Organs	4	40.6	9	52.8	4	68.6	27	31.0	20	81.0
-----Cervix Uteri	0	0.0	1	5.9	0	0.0	0	0.0	2	8.1
-----Ovary	1	10.2	3	17.6	1	17.1	6	6.9	3	12.1
-----Prostate	2	20.3	2	11.7	1	17.1	7	8.0	6	24.3
-----Bladder	1	10.2	1	5.9	0	0.0	8	9.2	3	12.1
---All Other (Malignant Neoplasms)	6	60.9	9	52.8	1	17.1	53	60.8	23	93.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	1	5.9	0	0.0	5	5.7	2	8.1
Diabetes Mellitus	4	40.6	12	70.4	5	85.7	40	45.9	12	48.6
Alzheimer's Disease	2	20.3	2	11.7	0	0.0	8	9.2	7	28.3
Major Cardiovascular Disease	44	446.7	97	569.0	18	308.5	394	452.4	109	441.3
---Diseases of the Heart	33	335.1	79	463.4	16	274.2	276	316.9	86	348.2
-----Ischemic Heart Disease	28	284.3	57	334.4	13	222.8	184	211.3	55	222.7
---Essential Hypertension and Hypertensive Renal Disease	2	20.3	2	11.7	0	0.0	13	14.9	2	8.1
---Cerebrovascular Diseases	8	81.2	13	76.3	1	17.1	64	73.5	20	81.0
---Atherosclerosis	0	0.0	0	0.0	0	0.0	32	36.7	1	4.0
---Other Diseases of Arteries, Arterioles, and Capillaries	1	10.2	3	17.6	1	17.1	9	10.3	0	0.0
Influenza and Pneumonia	2	20.3	4	23.5	3	51.4	17	19.5	2	8.1
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	2	20.3	4	23.5	3	51.4	17	19.5	2	8.1
Chronic Lower Respiratory Diseases	10	101.5	8	46.9	2	34.3	57	65.4	30	121.5
Lung Diseases due to External Agents	2	20.3	7	41.1	1	17.1	5	5.7	7	28.3
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	6	24.3
Chronic Liver Disease and Cirrhosis	1	10.2	3	17.6	0	0.0	11	12.6	4	16.2
Nephritis, Nephrotic Syndrome, and Nephrosis	3	30.5	3	17.6	1	17.1	15	17.2	4	16.2
Congenital Anomalies	0	0.0	0	0.0	0	0.0	3	3.4	1	4.0
Ill-Defined and Unknown Causes of Death	0	0.0	5	29.3	1	17.1	4	4.6	2	8.1
Accidents	10	101.5	7	41.1	3	51.4	33	37.9	33	133.6
---Motor Vehicle Injuries	5	50.8	3	17.6	0	0.0	14	16.1	11	44.5
---Falls	0	0.0	1	5.9	1	17.1	7	8.0	2	8.1
---Smoke, Fires, and Flames	0	0.0	1	5.9	0	0.0	1	1.1	2	8.1
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Poisonings	2	20.3	2	11.7	1	17.1	8	9.2	12	48.6
---Other Accidents	3	30.5	0	0.0	1	17.1	3	3.4	6	24.3
Intentional Self-Harm	1	10.2	7	41.1	3	51.4	18	20.7	4	16.2
Assault	1	10.2	0	0.0	1	17.1	1	1.1	3	12.1
All Other Causes (Residual)	10	101.5	31	181.8	4	68.6	108	124.0	26	105.3

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 births. All other rates are deaths per 100,000 population except where otherwise noted.
West Virginia Bureau for Public Health
Health Statistics Center, 2006

Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2004
Table 45

Selected Causes of Death	Number and Rate by City											
	Beckley			Bluefield			Charleston			Clarksburg		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	9.6	1	5.5	12	16.3	1	3.6	2	9.0		
Total Deaths, All Causes	325	19.1	177	15.9	717	14.0	327	19.9	309	16.3		
---Deaths under 1 Year	1	3.2	2	11.0	4	5.4	1	3.6	2	9.0		
---Deaths under 28 Days	1	3.2	1	5.5	2	2.7	1	3.6	1	4.5		
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Septicemia	2	11.8	2	18.0	20	38.9	0	0.0	8	42.1		
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	3	5.8	2	12.2	2	10.5		
Malignant Neoplasms	64	376.6	38	341.6	165	321.0	81	493.2	58	305.5		
---of Digestive Organs	14	82.4	10	89.9	47	91.5	19	115.7	10	52.7		
-----Colon	6	35.3	4	36.0	15	29.2	7	42.6	4	21.1		
-----Pancreas	5	29.4	1	9.0	5	9.7	3	18.3	4	21.1		
---of Respiratory and Intrathoracic Organs	21	123.6	13	116.9	41	79.8	26	158.3	20	105.4		
-----Trachea, Bronchus, and Lung	19	111.8	12	107.9	40	77.8	26	158.3	18	94.8		
---of Breast	6	35.3	4	36.0	14	27.2	10	60.9	3	15.8		
---of Genitourinary Organs	8	47.1	4	36.0	23	44.8	9	54.8	9	47.4		
-----Cervix Uteri	1	5.9	0	0.0	1	1.9	0	0.0	0	0.0		
-----Ovary	2	11.8	1	9.0	7	13.6	4	24.4	2	10.5		
-----Prostate	2	11.8	2	18.0	5	9.7	2	12.2	2	10.5		
-----Bladder	0	0.0	1	9.0	5	9.7	1	6.1	1	5.3		
---All Other (Malignant Neoplasms)	15	88.3	7	62.9	40	77.8	17	103.5	16	84.3		
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	5.9	0	0.0	2	3.9	2	12.2	2	10.5		
Diabetes Mellitus	22	129.5	13	116.9	26	50.6	13	79.1	21	110.6		
Alzheimer's Disease	5	29.4	1	9.0	21	40.9	7	42.6	5	26.3		
Major Cardiovascular Disease	127	747.3	60	539.4	254	494.2	135	821.9	120	632.1		
---Diseases of the Heart	99	582.6	52	467.5	183	356.1	98	596.7	92	484.6		
-----Ischemic Heart Disease	61	359.0	32	287.7	135	262.7	70	426.2	59	310.8		
---Essential Hypertension and Hypertensive Renal Disease	1	5.9	0	0.0	12	23.3	9	54.8	3	15.8		
---Cerebrovascular Diseases	22	129.5	5	44.9	48	93.4	23	140.0	21	110.6		
---Atherosclerosis	1	5.9	1	9.0	1	1.9	3	18.3	0	0.0		
---Other Diseases of Arteries, Arterioles, and Capillaries	4	23.5	2	18.0	10	19.5	2	12.2	4	21.1		
Influenza and Pneumonia	2	11.8	5	44.9	13	25.3	5	30.4	6	31.6		
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
---Pneumonia	2	11.8	5	44.9	13	25.3	5	30.4	6	31.6		
Chronic Lower Respiratory Diseases	19	111.8	4	36.0	41	79.8	16	97.4	15	79.0		
Lung Diseases due to External Agents	8	47.1	2	18.0	7	13.6	2	12.2	8	42.1		
---Coalworker's Pneumoconiosis	4	23.5	1	9.0	0	0.0	0	0.0	0	0.0		
Chronic Liver Disease and Cirrhosis	2	11.8	3	27.0	9	17.5	2	12.2	0	0.0		
Nephritis, Nephrotic Syndrome, and Nephrosis	5	29.4	7	62.9	12	23.3	6	36.5	5	26.3		
Congenital Anomalies	2	11.8	1	9.0	4	7.8	0	0.0	2	10.5		
Ill-Defined and Unknown Causes of Death	0	0.0	3	27.0	4	7.8	4	24.4	0	0.0		
Accidents	19	111.8	7	62.9	31	60.3	15	91.3	10	52.7		
---Motor Vehicle Injuries	6	35.3	1	9.0	5	9.7	4	24.4	5	26.3		
---Falls	2	11.8	1	9.0	4	7.8	5	30.4	3	15.8		
---Smoke, Fires, and Flames	0	0.0	0	0.0	1	1.9	1	6.1	0	0.0		
---Drownings	0	0.0	0	0.0	1	1.9	0	0.0	0	0.0		
---Poisonings	9	53.0	3	27.0	15	29.2	3	18.3	2	10.5		
---Other Accidents	2	11.8	2	18.0	5	9.7	2	12.2	0	0.0		
Intentional Self-Harm	2	11.8	4	36.0	4	7.8	2	12.2	7	36.9		
Assault	2	11.8	0	0.0	9	17.5	1	6.1	1	5.3		
All Other Causes (Residual)	43	253.0	27	242.7	92	179.0	34	207.0	39	205.4		

* All rates are deaths per 100,000 population except fetal deaths, deaths under 1 year, and deaths under 28 days, all of which are per 1,000 live births, and total deaths, which are per 1,000 population.
West Virginia Bureau for Public Health
Health Statistics Center, 2006

Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2004
Table 45 (continued)

Selected Causes of Death	Number and Rate by City									
	Huntington		Martinsburg		Morgantown		Moundsville		Parkersburg	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	4	6.6	1	2.3	1	1.9	1	9.5	4	7.9
Total Deaths, All Causes	774	15.6	258	16.9	283	10.1	159	16.3	562	17.5
---Deaths under 1 Year	8	13.2	6	13.6	1	1.9	1	9.5	8	15.7
---Deaths under 28 Days	5	8.3	1	2.3	1	1.9	0	0.0	7	13.8
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	10	20.2	3	19.6	8	28.6	1	10.3	4	12.5
Human Immunodeficiency Virus Infection	2	4.0	2	13.1	2	7.2	0	0.0	0	0.0
Malignant Neoplasms	164	331.1	47	307.0	52	185.9	39	400.2	117	364.5
---of Digestive Organs	32	64.6	14	91.4	14	50.1	10	102.6	19	59.2
---Colon	10	20.2	5	32.7	4	14.3	2	20.5	8	24.9
---Pancreas	7	14.1	2	13.1	4	14.3	4	41.0	2	6.2
---of Respiratory and Intrathoracic Organs	59	119.1	18	117.6	8	28.6	17	174.4	46	143.3
---Trachea, Bronchus, and Lung	58	117.1	16	104.5	8	28.6	17	174.4	45	140.2
---of Breast	10	20.2	2	13.1	9	32.2	1	10.3	11	34.3
---of Genitourinary Organs	28	56.5	6	39.2	4	14.3	3	30.8	12	37.4
---Cervix Uteri	1	2.0	0	0.0	0	0.0	1	10.3	0	0.0
---Ovary	10	20.2	1	6.5	2	7.2	0	0.0	4	12.5
---Prostate	5	10.1	1	6.5	1	3.6	1	10.3	3	9.3
---Bladder	4	8.1	1	6.5	0	0.0	1	10.3	2	6.2
---All Other (Malignant Neoplasms)	35	70.7	7	45.7	17	60.8	8	82.1	29	90.3
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	4.0	0	0.0	1	3.6	0	0.0	3	9.3
Diabetes Mellitus	32	64.6	7	45.7	11	39.3	8	82.1	24	74.8
Alzheimer's Disease	38	76.7	5	32.7	12	42.9	4	41.0	4	12.5
Major Cardiovascular Disease	254	512.8	105	685.9	106	379.0	65	667.0	238	741.4
---Diseases of the Heart	181	365.4	82	535.6	86	307.5	45	461.8	158	492.2
---Ischemic Heart Disease	118	238.2	44	287.4	56	200.2	32	328.4	106	330.2
---Essential Hypertension and Hypertensive Renal Disease	6	12.1	1	6.5	3	10.7	2	20.5	11	34.3
---Cerebrovascular Diseases	55	111.0	17	111.0	16	57.2	15	153.9	39	121.5
---Atherosclerosis	3	6.1	0	0.0	0	0.0	0	0.0	25	77.9
---Other Diseases of Arteries, Arterioles, and Capillaries	9	18.2	5	32.7	1	3.6	3	30.8	5	15.6
Influenza and Pneumonia	16	32.3	4	26.1	6	21.5	1	10.3	12	37.4
---Influenza	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	15	30.3	4	26.1	6	21.5	1	10.3	12	37.4
Chronic Lower Respiratory Diseases	43	86.8	6	39.2	15	53.6	9	92.4	36	112.1
Lung Diseases due to External Agents	2	4.0	0	0.0	1	3.6	2	20.5	2	6.2
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	9	18.2	1	6.5	4	14.3	2	20.5	8	24.9
Nephritis, Nephrotic Syndrome, and Nephrosis	17	34.3	5	32.7	6	21.5	1	10.3	12	37.4
Congenital Anomalies	2	4.0	0	0.0	0	0.0	1	10.3	3	9.3
Ill-Defined and Unknown Causes of Death	16	32.3	3	19.6	4	14.3	2	20.5	2	6.2
Accidents	47	94.9	23	150.2	12	42.9	2	20.5	17	53.0
---Motor Vehicle Injuries	8	16.2	5	32.7	3	10.7	1	10.3	4	12.5
---Falls	16	32.3	5	32.7	3	10.7	0	0.0	5	15.6
---Smoke, Fires, and Flames	0	0.0	1	6.5	0	0.0	0	0.0	1	3.1
---Drownings	2	4.0	0	0.0	0	0.0	0	0.0	0	0.0
---Poisonings	13	26.2	6	39.2	4	14.3	0	0.0	4	12.5
---Other Accidents	8	16.2	6	39.2	2	7.2	1	10.3	3	9.3
Intentional Self-Harm	11	22.2	2	13.1	2	7.2	3	30.8	11	34.3
Assault	5	10.1	1	6.5	0	0.0	2	20.5	0	0.0
All Other Causes (Residual)	104	210.0	44	287.4	41	146.6	17	174.4	69	215.0

* All rates are deaths per 100,000 population except fetal deaths, deaths under 1 year, and deaths under 28 days, all of which are per 1,000 live births, and total deaths, which are per 1,000 population.
West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2004
Table 45 (continued)**

Selected Causes of Death	Number and Rate by City											
	Saint Albans			South Charleston			Vienna			Weirton		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	2	21.3	1	5.5	2	5.9		
Total Deaths, All Causes	222	19.9	174	13.5	119	10.9	309	15.6	526	17.5		
---Deaths under 1 Year	2	10.3	2	10.4	1	10.6	3	16.4	5	14.8		
---Deaths under 28 Days	0	0.0	0	0.0	1	10.6	2	10.9	3	8.9		
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Septicemia	2	17.9	1	7.7	2	18.4	11	55.4	7	23.3		
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	5.0	3	10.0		
Malignant Neoplasms	55	492.5	38	293.8	26	238.9	78	393.2	131	435.3		
---of Digestive Organs	16	143.3	10	77.3	3	27.6	16	80.7	27	89.7		
-----Colon	6	53.7	5	38.7	3	27.6	7	35.3	4	13.3		
-----Pancreas	3	26.9	0	0.0	0	0.0	3	15.1	13	43.2		
---of Respiratory and Intrathoracic Organs	19	170.1	13	100.5	9	82.7	26	131.1	45	149.5		
-----Trachea, Bronchus, and Lung	18	161.2	13	100.5	9	82.7	26	131.1	44	146.2		
---of Breast	3	26.9	1	7.7	4	36.8	7	35.3	7	23.3		
---of Genitourinary Organs	7	62.7	3	23.2	2	18.4	9	45.4	19	63.1		
-----Cervix Uteri	2	17.9	0	0.0	0	0.0	0	0.0	2	6.6		
-----Ovary	1	9.0	2	15.5	0	0.0	3	15.1	6	19.9		
-----Prostate	1	9.0	1	7.7	1	9.2	5	25.2	5	16.6		
-----Bladder	1	9.0	0	0.0	0	0.0	0	0.0	3	10.0		
---All Other (Malignant Neoplasms)	10	89.5	11	85.1	8	73.5	20	100.8	33	109.6		
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	4	35.8	2	15.5	1	9.2	1	5.0	7	23.3		
Diabetes Mellitus	4	35.8	7	54.1	1	9.2	9	45.4	23	76.4		
Alzheimer's Disease	7	62.7	5	38.7	1	9.2	5	25.2	16	53.2		
Major Cardiovascular Disease	90	805.9	63	487.1	59	542.1	93	468.8	190	631.3		
---Diseases of the Heart	71	635.8	52	402.1	39	358.3	70	352.9	150	498.4		
-----Ischemic Heart Disease	48	429.8	37	286.1	25	229.7	46	231.9	105	348.9		
---Essential Hypertension and Hypertensive Renal Disease	2	17.9	1	7.7	1	9.2	2	10.1	3	10.0		
---Cerebrovascular Diseases	15	134.3	9	69.6	14	128.6	16	80.7	31	103.0		
---Atherosclerosis	0	0.0	0	0.0	3	27.6	2	10.1	2	6.6		
---Other Diseases of Arteries, Arterioles, and Capillaries	2	17.9	1	7.7	2	18.4	3	15.1	4	13.3		
Influenza and Pneumonia	5	44.8	5	38.7	2	18.4	11	55.4	14	46.5		
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
---Pneumonia	5	44.8	5	38.7	2	18.4	11	55.4	14	46.5		
Chronic Lower Respiratory Diseases	7	62.7	11	85.1	7	64.3	15	75.6	30	99.7		
Lung Diseases due to External Agents	2	17.9	0	0.0	1	9.2	3	15.1	3	10.0		
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	1	3.3		
Chronic Liver Disease and Cirrhosis	1	9.0	3	23.2	0	0.0	4	20.2	4	13.3		
Nephritis, Nephrotic Syndrome, and Nephrosis	6	53.7	4	30.9	1	9.2	9	45.4	7	23.3		
Congenital Anomalies	1	9.0	0	0.0	0	0.0	1	5.0	5	16.6		
Ill-Defined and Unknown Causes of Death	3	26.9	4	30.9	1	9.2	3	15.1	5	16.6		
Accidents	9	80.6	4	30.9	2	18.4	12	60.5	13	43.2		
---Motor Vehicle Injuries	0	0.0	1	7.7	1	9.2	1	5.0	4	13.3		
---Falls	2	17.9	1	7.7	1	9.2	4	20.2	2	6.6		
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
---Poisonings	1	9.0	1	7.7	0	0.0	5	25.2	4	13.3		
---Other Accidents	6	53.7	1	7.7	0	0.0	2	10.1	3	10.0		
Intentional Self-Harm	5	44.8	2	15.5	1	9.2	4	20.2	4	13.3		
Assault	0	0.0	0	0.0	1	9.2	0	0.0	0	0.0		
All Other Causes (Residual)	21	188.1	25	193.3	13	119.4	49	247.0	64	212.7		

* All rates are deaths per 100,000 population except fetal deaths, deaths under 1 year, and deaths under 28 days, all of which are per 1,000 live births, and total deaths, which are per 1,000 population.
West Virginia Bureau for Public Health
Health Statistics Center, 2006

Selected Causes of Resident Deaths: Number by Race and Gender
West Virginia, 2004
Table 46

Selected Causes of Death	Number by Race and Gender						Total
	White		Black		Other		
	Male	Female	Male	Female	Male	Female	
Fetal Deaths	63	65	4	3	0	0	135
Total Deaths, All Causes	9,880	10,250	280	338	11	17	20,776
---Deaths under 1 Year	83	64	6	4	0	1	158
---Deaths under 28 Days	59	36	2	3	0	1	101
Tuberculosis	3	1	0	0	0	0	4
Septicemia	158	174	4	4	0	0	340
Human Immunodeficiency Virus Infection	19	4	3	1	1	0	28
Malignant Neoplasms	2,406	2,158	64	64	1	1	4,694
---of Digestive Organs	543	457	17	21	0	1	1,039
-----Colon	182	182	6	10	0	0	380
-----Pancreas	122	109	3	3	0	0	237
---of Respiratory and Intrathoracic Organs	890	612	19	10	0	0	1,531
-----Trachea, Bronchus, and Lung	861	597	19	10	0	0	1,487
---of Breast	5	295	0	12	0	0	312
---of Genitourinary Organs	314	324	11	4	0	0	653
-----Cervix Uteri	0	32	0	1	0	0	33
-----Ovary	0	134	0	2	0	0	136
-----Prostate	182	0	8	0	0	0	190
-----Bladder	73	42	1	1	0	0	117
---All Other (Malignant Neoplasms)	654	470	17	17	1	0	1,159
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	50	57	2	2	0	0	111
Diabetes Mellitus	380	420	18	31	1	0	850
Alzheimer’s Disease	135	361	2	9	0	0	507
Major Cardiovascular Disease	3,283	3,866	81	137	4	8	7,379
---Diseases of the Heart	2,632	2,833	64	103	3	4	5,639
-----Ischemic Heart Disease	1,924	1,775	42	64	2	2	3,809
---Essential Hypertension and Hypertensive Renal Disease	68	127	3	5	0	1	204
---Cerebrovascular Diseases	425	730	11	27	1	3	1,197
---Atherosclerosis	43	79	0	0	0	0	122
---Other Diseases of Arteries, Arterioles, and Capillaries	115	97	3	2	0	0	217
Influenza and Pneumonia	191	214	5	6	0	0	416
---Influenza	7	4	0	0	0	0	11
---Pneumonia	184	210	5	6	0	0	405
Chronic Lower Respiratory Diseases	585	626	19	8	0	1	1,239
Lung Diseases due to External Agents	159	59	8	2	0	0	228
---Coalworker’s Pneumoconiosis	72	2	7	0	0	0	81
Chronic Liver Disease and Cirrhosis	178	81	3	2	0	0	264
Nephritis, Nephrotic Syndrome, and Nephrosis	192	230	7	13	1	0	443
Congenital Anomalies	34	33	3	2	0	1	73
Ill-Defined and Unknown Causes of Death	92	68	2	5	0	0	167
Accidents	682	398	18	2	2	2	1,104
---Motor Vehicle Injuries	258	140	6	1	1	2	408
---Falls	78	81	1	0	0	0	160
---Smoke, Fires, and Flames	17	8	1	0	0	0	26
---Drownings	14	3	0	0	1	0	18
---Poisonings	197	99	9	1	0	0	306
---Other Accidents	118	67	1	0	0	0	186
Intentional Self-Harm	233	45	2	1	0	0	281
Assault	44	23	9	3	0	0	79
All Other Causes (Residual)	1,056	1,432	30	46	1	4	2,569

West Virginia Bureau for Public Health
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**Selected Causes of Resident Deaths by Age Group
West Virginia, 2004
Table 47**

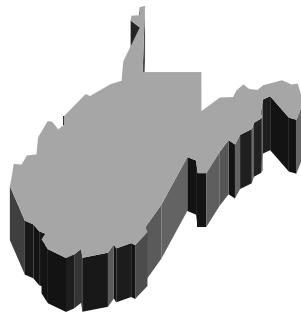
Selected Causes of Death	Total	Age in Years										Average Age at Death			
		Less Than One	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over	
Total Deaths, All Causes	20,776	158	26	26	30	110	157	321	674	1,403	2,417	3,807	6,310	5,337	72.5
---Deaths under 1 Year	158	158	0	0	0	0	0	0	0	0	0	0	0	0	0.1
---Deaths under 28 Days	101	101	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Tuberculosis	4	0	0	0	0	0	0	0	0	1	0	2	1	0	66.5
Septicemia	340	0	0	0	0	1	1	3	8	24	46	74	112	71	73.2
Human Immunodeficiency Virus Infection	28	0	1	0	0	0	0	1	12	10	2	2	0	0	44.5
Malignant Neoplasms	4,694	1	2	6	4	1	6	21	95	375	879	1,244	1,471	589	70.7
---of Digestive Organs	1,039	0	0	0	1	0	0	4	16	99	187	255	327	150	71.2
-----Colon	380	0	0	0	1	0	0	0	5	29	58	94	132	61	72.7
-----Pancreas	237	0	0	0	0	0	0	0	4	23	42	67	73	28	70.6
---of Respiratory and Intrathoracic Organs	1,531	0	0	0	0	0	0	0	24	110	318	483	476	120	70.3
-----Trachea, Bronchus, and Lung	1,487	0	0	0	0	0	0	0	23	107	300	475	463	119	70.4
---of Breast	312	0	0	0	0	0	0	2	10	42	73	73	71	41	68.1
---of Genitourinary Organs	653	0	0	0	0	0	1	2	14	44	106	141	227	118	72.5
-----Cervix Uteri	33	0	0	0	0	0	0	0	3	6	11	8	5	0	61.5
-----Ovary	136	0	0	0	0	0	0	0	5	12	31	27	43	18	70.1
-----Prostate	190	0	0	0	0	0	0	0	0	2	13	42	81	52	78.1
-----Bladder	117	0	0	0	0	0	0	0	1	5	22	23	45	20	73.4
---All Other (Malignant Neoplasms)	1,159	1	2	6	3	1	5	13	31	80	195	292	370	160	70.4
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	111	1	1	0	0	1	1	0	3	7	13	15	38	31	73.1
Diabetes Mellitus	850	0	0	0	0	1	0	4	16	66	136	207	256	164	72.6
Alzheimer's Disease	507	0	0	0	0	0	0	0	0	1	5	37	166	298	85.0
Major Cardiovascular Disease	7,379	0	1	2	0	1	4	36	134	345	619	1,194	2,399	2,644	77.9
---Diseases of the Heart	5,639	0	1	1	0	1	3	27	105	292	493	936	1,810	1,970	77.5
-----Ischemic Heart Disease	3,809	0	0	0	0	0	1	19	66	216	362	667	1,251	1,227	76.9
---Essential Hypertension and Hypertensive Renal Disease	204	0	0	0	0	0	0	1	3	9	19	26	62	84	79.1
---Cerebrovascular Diseases	1,197	0	0	1	0	0	1	6	20	37	87	166	416	463	79.1
---Atherosclerosis	122	0	0	0	0	0	0	0	0	0	5	14	34	69	84.8
---Other Diseases of Arteries, Arterioles, and Capillaries	217	0	0	0	0	0	0	0	6	7	15	52	77	58	76.0
Influenza and Pneumonia	416	0	0	0	0	1	3	2	5	14	18	60	141	172	79.7
---Influenza	11	0	0	0	0	0	0	0	0	0	0	5	3	3	79.0
---Pneumonia	405	0	0	0	0	1	3	2	5	14	18	55	138	169	79.7
Chronic Lower Respiratory Diseases	1,239	0	0	0	0	0	1	2	8	33	143	318	482	252	75.6
Lung Diseases due to External Agents	228	0	0	0	0	0	0	1	0	4	15	33	82	93	80.6
---Coalworker's Pneumoconiosis	81	0	0	0	0	0	0	0	0	1	6	12	34	28	80.6
Chronic Liver Disease and Cirrhosis	264	0	0	0	0	0	0	3	20	64	72	47	47	11	62.1
Nephritis, Nephrotic Syndrome, and Nephrosis	443	0	0	0	0	0	0	0	8	27	49	83	154	121	75.8
Congenital Anomalies	73	36	3	1	0	5	4	1	2	5	10	3	2	1	21.9
Ill-Defined and Unknown Causes of Death	167	17	0	0	0	2	1	3	7	8	24	27	46	32	63.8
Accidents	1,104	1	12	11	12	63	84	148	182	185	90	84	139	93	49.4
---Motor Vehicle Injuries	408	0	5	6	9	44	48	61	58	66	36	36	32	7	41.8
---Falls	160	0	1	0	0	0	3	0	4	5	10	18	61	58	77.7
---Smoke, Fires, and Flames	26	0	2	2	1	2	0	3	5	2	1	4	3	1	43.2
---Drownings	18	0	1	1	1	2	4	2	5	1	1	0	0	0	28.2
---Poisonings	306	0	1	0	0	8	21	67	89	88	22	5	5	0	40.9
---Other Accidents	186	1	2	2	1	7	8	15	21	23	20	21	38	27	58.4
Intentional Self-Harm	281	0	0	0	1	12	27	46	67	49	35	16	23	5	45.2
Assault	79	1	1	0	1	5	9	17	19	12	8	1	4	1	38.9
All Other Causes (Residual)	2,569	101	5	6	12	16	16	33	88	173	253	360	747	759	71.0

Selected Causes of Resident Deaths by Month of Occurrence West Virginia, 2004

Table 48

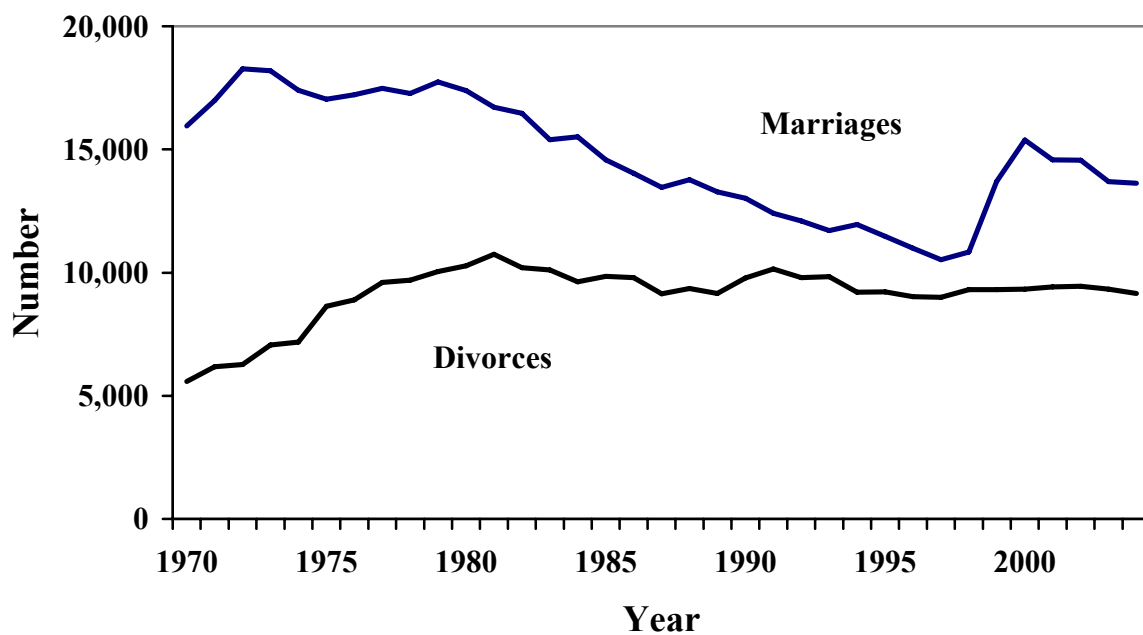
Selected Causes of Death	Number of Deaths per Month												Total
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
Fetal Deaths	9	14	16	11	7	6	12	11	9	14	9	17	135
Total Deaths, All Causes	2,013	1,770	1,858	1,769	1,600	1,589	1,669	1,632	1,535	1,798	1,738	1,805	20,776
---Deaths under 1 Year	14	22	8	18	9	8	10	14	17	7	12	19	158
---Deaths under 28 Days	7	14	6	6	8	4	9	12	10	5	7	13	101
Tuberculosis	0	0	0	1	1	0	2	0	0	0	0	0	4
Septicemia	45	19	32	22	24	31	29	38	20	21	30	29	340
Human Immunodeficiency Virus Infection	3	6	2	3	2	0	1	3	0	5	0	3	28
Malignant Neoplasms	409	364	403	406	389	384	415	390	337	423	386	388	4,694
---of Digestive Organs	96	83	77	100	71	83	91	96	84	93	79	86	1,039
-----Colon	37	29	33	40	22	30	28	30	33	27	33	38	380
-----Pancreas	24	14	9	24	18	24	24	30	22	14	19	15	237
---of Respiratory and Intrathoracic Organs	129	98	131	124	143	144	116	129	115	144	121	137	1,531
-----Trachea, Bronchus, and Lung	127	95	125	123	136	142	111	125	114	137	118	134	1,487
---of Breast	22	21	30	19	29	20	39	26	18	29	42	17	312
---of Genitourinary Organs	49	63	65	56	52	61	61	46	40	59	49	52	653
-----Cervix Uteri	2	3	3	3	1	2	5	2	4	3	2	3	33
-----Ovary	12	14	12	13	10	12	6	11	7	13	14	12	136
-----Prostate	15	20	22	17	17	13	17	20	10	16	8	15	190
-----Bladder	11	15	13	4	10	11	11	3	9	8	10	12	117
---All Other (Malignant Neoplasms)	113	99	100	107	94	76	108	93	80	98	95	96	1,159
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	10	8	8	8	5	8	13	11	14	8	7	11	111
Diabetes Mellitus	66	75	73	68	59	72	60	72	71	68	94	72	850
Alzheimer's Disease	53	58	33	41	28	33	44	36	42	51	32	56	507
Major Cardiovascular Disease	737	629	692	646	587	552	557	547	530	624	625	653	7,379
---Diseases of the Heart	568	482	544	491	440	428	416	410	412	492	475	481	5,639
-----Ischemic Heart Disease	378	312	346	338	302	306	276	265	282	343	321	340	3,809
---Essential Hypertension and Hypertensive Renal Disease	25	15	14	12	17	13	18	21	14	12	25	18	204
---Cerebrovascular Diseases	111	105	102	119	103	82	95	90	74	96	100	120	1,197
---Atherosclerosis	11	13	7	7	13	6	10	8	14	8	9	16	122
---Other Diseases of Arteries, Arterioles, and Capillaries	22	14	25	17	14	23	18	18	16	16	16	18	217
Influenza and Pneumonia	62	33	46	38	28	26	23	26	29	29	28	48	416
---Influenza	11	0	0	0	0	0	0	0	0	0	0	0	11
---Pneumonia	51	33	46	38	28	26	23	26	29	29	28	48	405
Chronic Lower Respiratory Diseases	152	119	121	110	79	90	107	77	73	111	93	107	1,239
Lung Diseases due to External Agents	31	28	17	19	14	15	23	14	20	13	15	19	228
---Coalworker's Pneumoconiosis	11	13	7	6	3	6	8	7	4	4	5	7	81
Chronic Liver Disease and Cirrhosis	28	22	23	17	16	21	20	27	19	30	22	19	264
Nephritis, Nephrotic Syndrome, and Nephrosis	44	33	42	36	37	27	30	42	35	40	41	36	443
Congenital Anomalies	7	10	1	7	5	5	7	8	11	3	3	6	73
Ill-Defined and Unknown Causes of Death	16	15	4	25	13	11	10	14	13	15	17	14	167
Accidents	80	84	89	80	104	100	99	89	94	98	84	103	1,104
---Motor Vehicle Injuries	25	32	33	23	32	38	43	36	34	36	35	41	408
---Falls	11	16	11	16	12	11	4	15	24	14	5	21	160
---Smoke, Fires, and Flares	4	0	2	2	0	3	4	0	1	0	1	9	26
---Drownings	0	0	0	2	7	4	3	0	2	0	0	0	18
---Poisonings	20	22	26	17	33	32	26	22	21	37	30	20	306
---Other Accidents	20	14	17	20	20	12	19	16	12	11	13	12	186
Intentional Self-Harm	18	24	20	33	23	25	23	24	18	25	28	20	281
Assault	6	8	7	10	9	5	3	7	6	3	11	4	79
All Other Causes (Residual)	246	235	245	199	177	184	203	207	203	231	222	217	2,569

West Virginia Bureau for Public Health
Health Statistics Center, 2006



West Virginia Vital Statistics
Marriages & Divorces

Marriages and Divorces **West Virginia, 1970-2004** **Exhibit 20**



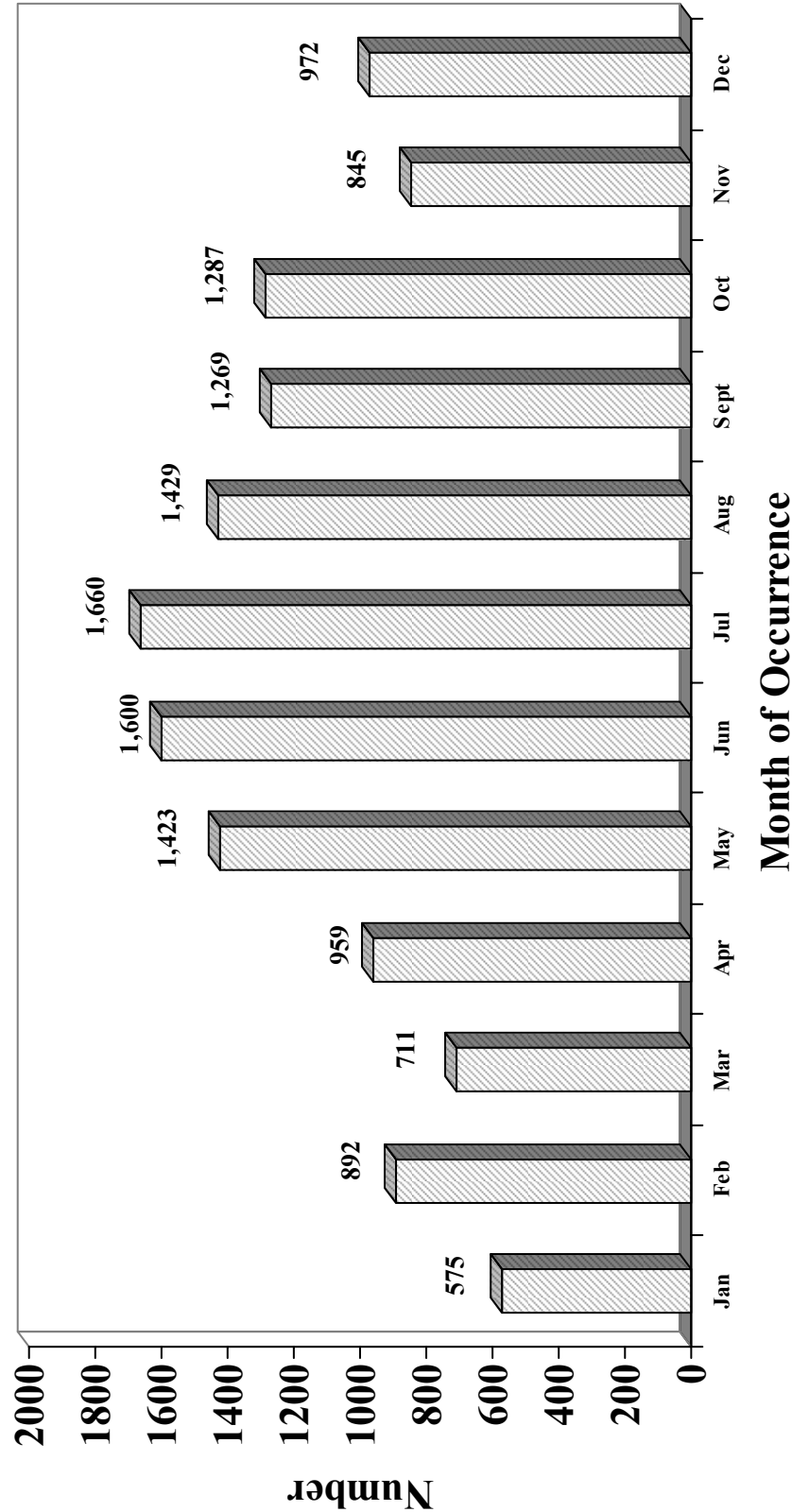
Year	Marriages	Divorces and Annulments
1970	15,948	5,584
1975	17,041	8,632
1980	17,391	10,273
1985	14,580	9,851
1990	13,012	9,783
1995	11,472	9,219
1996	10,997	9,023
1997	10,530	8,998
1998	10,839	9,309
1999	13,705	9,309
2000	15,375	9,336
2001	14,581	9,421
2002	14,558	9,442
2003	13,697	9,335
2004	13,622	9,149

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Marriages by Month of Occurrence
West Virginia, 2004
Table 49

County	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	4	7	5	6	13	15	12	17	9	10	10	7	115
Berkeley	25	25	23	32	57	49	57	51	48	52	28	37	484
Boone	6	17	12	12	29	21	33	28	18	24	14	27	241
Braxton	7	11	10	6	11	19	16	10	7	10	4	7	118
Brooke	8	13	7	18	19	19	22	17	22	25	12	20	202
Cabell	30	34	32	47	92	92	87	72	58	57	45	49	695
Calhoun	3	6	2	4	7	17	8	2	8	3	6	4	70
Clay	4	5	4	5	15	8	7	6	3	5	5	10	77
Doddridge	3	3	0	4	6	5	5	3	9	6	3	7	54
Fayette	15	24	17	36	33	42	45	31	26	32	25	29	355
Gilmer	1	2	2	3	7	11	5	6	8	3	3	5	56
Grant	4	6	4	5	8	11	10	11	6	2	7	6	80
Greenbrier	16	12	14	15	32	38	32	38	27	43	16	16	299
Hampshire	2	7	5	5	12	16	18	5	6	13	9	3	101
Hancock	11	13	16	18	26	23	32	24	18	30	18	12	241
Hardy	4	8	1	10	10	18	8	8	10	4	5	10	96
Harrison	22	32	29	41	66	66	72	51	60	60	27	27	553
Jackson	9	8	14	22	21	31	30	34	19	20	11	18	237
Jefferson	13	22	11	21	32	28	41	36	39	26	25	19	313
Kanawha	79	113	83	107	146	171	169	145	133	148	74	91	1,459
Lewis	4	6	4	9	17	24	22	9	17	20	9	6	147
Lincoln	8	12	14	15	22	14	14	16	11	14	9	5	154
Logan	13	21	19	21	36	45	34	34	25	24	24	21	317
McDowell	9	14	6	14	11	13	19	16	14	12	10	16	154
Marion	13	27	36	29	44	61	51	53	44	42	32	25	457
Marshall	10	22	14	25	12	33	28	30	24	17	6	21	242
Mason	8	19	17	12	20	25	29	29	13	12	15	17	216
Mercer	22	29	11	30	43	64	59	41	40	33	28	34	434
Mineral	10	12	5	11	12	19	17	24	18	12	14	12	166
Mingo	16	17	21	17	28	25	43	29	23	20	17	33	289
Monongalia	23	29	25	25	87	82	73	82	64	67	37	38	632
Monroe	4	5	5	9	4	12	9	7	6	8	5	8	82
Morgan	7	11	5	5	11	12	6	11	11	10	9	7	105
Nicholas	4	10	19	14	17	18	29	19	23	21	15	16	205
Ohio	11	22	22	21	56	45	60	40	44	56	24	25	426
Pendleton	4	6	1	4	4	5	6	4	4	6	4	3	51
Pleasants	4	5	0	1	5	11	2	4	2	8	3	5	50
Pocahontas	3	2	3	1	4	9	7	10	9	7	7	0	62
Preston	8	8	7	12	21	26	31	28	20	22	11	10	204
Putnam	21	16	23	29	37	37	43	33	42	35	25	35	376
Raleigh	23	53	32	61	58	70	85	73	51	40	43	47	636
Randolph	5	16	15	12	24	17	34	30	26	18	17	18	232
Ritchie	4	7	5	5	6	9	6	11	4	10	10	6	83
Roane	3	7	4	7	11	10	10	13	12	18	8	12	115
Summers	6	2	1	6	11	7	20	11	9	4	4	7	88
Taylor	4	4	6	8	12	13	10	14	11	9	9	11	111
Tucker	0	2	2	5	5	10	7	6	5	15	5	6	68
Tyler	3	4	2	2	6	17	7	8	2	11	2	8	72
Upshur	4	14	8	9	19	16	21	22	15	19	16	12	175
Wayne	6	17	16	25	21	19	31	20	20	21	10	15	221
Webster	3	7	3	7	6	7	9	5	9	3	3	4	66
Wetzel	4	8	8	12	12	18	15	13	16	13	10	7	136
Wirt	2	6	3	3	8	7	5	4	7	5	2	4	56
Wood	27	64	51	63	76	82	86	80	78	69	43	56	775
Wyoming	13	20	7	13	15	18	23	5	16	13	12	18	173
Total	575	892	711	959	1,423	1,600	1,660	1,429	1,269	1,287	845	972	13,622

**Marriages by Month of Occurrence
West Virginia, 2004
Exhibit 21**



**Number of Marriages by County
West Virginia, 2000-2004
Table 50**

County	2000	2001	2002	2003	2004	County	2000	2001	2002	2003	2004
Barbour	126	119	125	105	115	Monongalia	593	585	622	641	632
Berkeley	501	481	479	465	484	Monroe	96	87	88	75	82
Boone	274	245	197	201	241	Morgan	104	96	78	74	105
Braxton	143	110	134	120	118	Nicholas	250	223	250	224	205
Brooke	189	184	224	171	202	Ohio	446	442	445	458	426
Cabell	873	824	737	692	695	Pendleton	75	48	45	44	51
Calhoun	69	66	45	56	70	Pleasants	53	57	54	55	50
Clay	120	85	96	103	77	Pocahontas	75	64	81	77	62
Doddridge	73	66	50	51	54	Preston	231	238	218	233	204
Fayette	453	444	421	408	355	Putnam	364	380	388	390	376
Gilmer	58	49	59	58	56	Raleigh	753	729	723	656	636
Grant	104	94	81	71	80	Randolph	278	222	269	221	232
Greenbrier	252	267	276	244	299	Ritchie	74	68	71	71	83
Hampshire	134	124	117	108	101	Roane	154	136	160	127	115
Hancock	319	263	260	235	241	Summers	77	97	109	84	88
Hardy	78	87	86	75	96	Taylor	93	106	120	99	111
Harrison	611	598	583	476	553	Tucker	65	67	64	79	68
Jackson	247	205	234	233	237	Tyler	69	97	53	69	72
Jefferson	308	292	320	342	313	Upshur	220	201	184	189	175
Kanawha	1,770	1,649	1,665	1,561	1,459	Wayne	257	245	230	208	221
Lewis	153	146	172	118	147	Webster	81	75	76	86	66
Lincoln	186	202	170	177	154	Wetzel	153	123	122	143	136
Logan	408	354	379	364	317	Wirt	44	46	35	37	56
McDowell	207	216	199	204	154	Wood	853	887	819	736	775
Marion	509	462	487	447	457	Wyoming	237	236	237	192	173
Marshall	303	273	242	232	242	Total	15,375	14,581	14,558	13,697	13,622
Mason	237	237	216	223	216						
Mercer	553	451	482	465	434						
Mineral	194	188	187	161	166						
Mingo	228	245	294	263	289						

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Marriages by Age of Bride and Groom
West Virginia, 2004
Table 51**

Age of Bride	Age of Groom											Total
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 & Over Years	
10-14 Years	0	1	0	0	0	0	0	0	0	0	0	1
15-19 Years	0	324	763	184	39	16	9	3	0	0	0	1,338
20-24 Years	0	111	1,904	1,301	327	107	40	20	12	2	1	3,825
25-29 Years	0	22	357	1,142	708	245	93	47	15	6	9	2,644
30-34 Years	0	5	83	299	505	371	195	83	41	13	7	1,602
35-39 Years	0	2	32	107	226	332	281	148	67	24	10	1,229
40-44 Years	0	0	7	19	71	157	301	237	123	58	34	1,007
45-49 Years	0	0	1	6	32	68	131	240	191	94	44	807
50-54 Years	0	0	0	1	7	23	37	76	158	110	85	497
55-59 Years	0	0	0	0	2	6	14	24	50	86	110	292
60 & Over Years	0	0	0	0	1	0	0	16	13	29	321	380
Total	0	465	3,147	3,059	1,918	1,325	1,101	894	670	422	621	13,622

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Marriages by Previous Marital Status
West Virginia, 2004
Table 52**

Bride	Groom				
	Never Married	Widowed	Divorced	Annulled	Not Stated
Never Married	6,146	44	1,379	20	0
Widowed	62	192	258	2	0
Divorced	1,566	231	3,657	24	0
Annulled	11	1	18	9	0
Not Stated	0	0	0	0	2
Total	7,785	468	5,312	55	2
					13,622

**Marriages by Number of Previous Marriages
West Virginia, 2004
Table 53**

Bride	Groom					
	Never Married	One Previous Marriage	Two Previous Marriages	Three Previous Marriages	Four or More Previous Marriages	Not Stated
Never Married	6,146	1,190	208	37	8	0
One Previous Marriage	1,321	2,021	600	134	38	0
Two Previous Marriages	261	689	335	84	35	0
Three Previous Marriages	48	163	132	34	10	0
Four or More Previous Marriages	9	56	30	19	10	1
Not Stated	0	1	0	0	0	2
Total	7,785	4,120	1,305	308	101	3
						13,622

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Divorces and Annulments by County of Occurrence
West Virginia, 2004
Table 54**

County	Number of Divorces	Number of Annulments	Total	County	Number of Divorces	Number of Annulments	Total
Barbour	66	0	66	Monongalia	264	1	265
Berkeley	488	1	489	Monroe	81	0	81
Boone	160	1	161	Morgan	79	0	79
Braxton	81	0	81	Nicholas	161	1	162
Brooke	75	0	75	Ohio	53	0	53
Cabell	478	0	478	Pendleton	27	0	27
Calhoun	35	0	35	Pleasants	36	0	36
Clay	62	0	62	Pocahontas	49	0	49
Doddridge	37	0	37	Preston	149	0	149
Fayette	249	1	250	Putnam	373	0	373
Gilmer	33	0	33	Raleigh	430	1	431
Grant	67	0	67	Randolph	157	1	158
Greenbrier	213	2	215	Ritchie	56	0	56
Hampshire	109	1	110	Roane	98	1	99
Hancock	127	0	127	Summers	71	2	73
Hardy	64	0	64	Taylor	78	0	78
Harrison	290	2	292	Tucker	43	0	43
Jackson	172	1	173	Tyler	35	0	35
Jefferson	203	2	205	Upshur	123	0	123
Kanawha	800	1	801	Wayne	328	0	328
Lewis	78	0	78	Webster	31	0	31
Lincoln	121	1	122	Wetzel	76	0	76
Logan	252	0	252	Wirt	46	0	46
McDowell	119	0	119	Wood	474	1	475
Marion	254	0	254	Wyoming	133	0	133
Marshall	157	0	157				
Mason	166	0	166				
Mercer	389	0	389				
Mineral	132	0	132				
Mingo	198	2	200				
				Total	9,126	23	9,149

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Divorces and Annulments by County of Occurrence
West Virginia, 2000-2004
Table 55**

County	2000	2001	2002	2003	2004	County	2000	2001	2002	2003	2004
Barbour	144	166	81	58	66	Monongalia	256	260	222	243	265
Berkeley	255	209	365	409	489	Monroe	58	63	86	92	81
Boone	173	172	151	148	161	Morgan	89	64	110	68	79
Braxton	74	64	74	64	81	Nicholas	165	155	141	148	162
Brooke	78	102	101	98	75	Ohio	152	170	144	118	53
Cabell	600	564	566	546	478	Pendleton	36	41	27	50	27
Calhoun	37	53	53	49	35	Pleasants	39	64	46	45	36
Clay	59	49	52	81	62	Pocahontas	47	48	58	53	49
Doddridge	41	68	40	34	37	Preston	138	108	120	134	149
Fayette	271	265	242	270	250	Putnam	295	275	335	319	373
Gilmer	25	17	22	36	33	Raleigh	381	454	428	439	431
Grant	49	39	67	51	67	Randolph	155	168	138	128	158
Greenbrier	141	226	209	222	215	Ritchie	62	65	69	65	56
Hampshire	117	131	116	99	110	Roane	86	82	93	101	99
Hancock	142	134	127	160	127	Summers	54	84	67	72	73
Hardy	75	79	79	73	64	Taylor	85	79	88	102	78
Harrison	278	307	281	281	292	Tucker	40	37	25	34	43
Jackson	154	133	161	122	173	Tyler	33	50	48	58	35
Jefferson	272	200	188	191	205	Upshur	128	105	141	137	123
Kanawha	975	985	949	888	801	Wayne	305	300	314	309	328
Lewis	88	80	107	115	78	Webster	54	48	53	69	31
Lincoln	134	166	126	135	122	Wetzel	84	73	92	110	76
Logan	200	246	251	198	252	Wirt	26	37	41	39	46
McDowell	196	172	168	145	119	Wood	506	463	455	488	475
Marion	263	263	244	231	254	Wyoming	157	156	166	148	133
Marshall	163	154	155	151	157						
Mason	172	122	164	155	166						
Mercer	342	419	353	374	389	Total	9,336	9,421	9,442	9,335	9,149
Mineral	142	127	147	135	132						
Mingo	245	256	296	247	200						

West Virginia Bureau for Public Health
Health Statistics Center, 2006

**Divorces and Annulments by Age of Husband and Wife
West Virginia, 2004
Table 56**

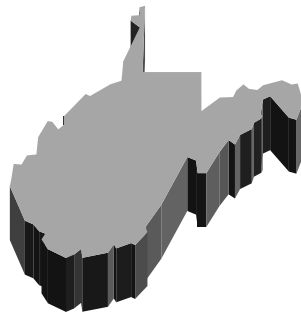
Age of Wife	Age of Husband											Total	
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 & Over Years		Un- known
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	22	102	26	7	2	2	2	0	0	0	0	163
20-24 Years	0	8	458	447	158	39	18	6	3	2	2	4	1,145
25-29 Years	0	6	102	661	559	165	64	23	8	9	1	7	1,605
30-34 Years	0	0	26	158	626	458	191	61	34	10	2	12	1,578
35-39 Years	0	0	7	55	182	531	402	165	54	20	11	5	1,432
40-44 Years	0	0	2	17	62	141	392	314	128	57	30	8	1,151
45-49 Years	0	0	0	3	20	56	129	339	193	72	42	5	859
50-54 Years	0	0	0	2	5	11	31	72	194	122	62	4	503
55-59 Years	0	0	0	0	3	5	17	21	33	98	91	0	268
60 & Over Years	0	0	0	0	1	1	8	6	16	25	149	3	209
Unknown	0	0	5	6	15	13	12	17	5	6	9	148	236
Total	0	36	702	1,375	1,638	1,422	1,266	1,026	668	421	399	196	9,149

West Virginia Bureau for Public Health
Health Statistics Center, 2006

Divorces and Annulments by Duration of Marriage and Number of Children
West Virginia, 2004
Table 57

Duration of Marriage In Years	Number of Children Reported Under 18 Years of Age										Total
	None	One	Two	Three	Four	Five	Six	Seven	Eight or More	Un-known	
Under 1	371	44	19	6	3	0	0	0	0	0	443
1 to 5	2,257	859	351	57	7	0	0	0	0	0	3,531
6 to 10	833	533	493	140	19	6	0	0	0	0	2,024
11 to 15	384	272	380	138	24	6	1	0	0	0	1,205
16 to 20	222	205	245	73	9	5	2	0	0	0	761
21 to 25	291	154	80	14	5	1	0	0	0	0	545
26 to 30	225	52	15	1	0	0	0	0	0	0	293
31 to 35	157	8	5	0	0	0	0	0	0	0	170
36 to 40	77	2	1	1	0	0	0	0	0	0	81
41 to 45	31	0	1	0	0	0	0	0	0	0	32
46 to 50	14	0	0	0	0	0	0	0	0	0	14
51 to 55	2	0	0	0	0	0	0	0	0	0	2
56 to 60	1	0	0	0	0	0	0	0	0	0	1
Over 60	0	0	0	0	0	0	0	0	0	0	0
Unknown	28	10	6	1	1	0	0	0	0	1	47
Total	4,893	2,139	1,596	431	68	18	3	0	0	1	9,149

West Virginia Bureau for Public Health
Health Statistics Center, 2006



West Virginia Vital Statistics
Appendix A:
Certificates & Forms

WEST VIRGINIA DIVISION OF HEALTH
VITAL REGISTRATION
CHARLESTON, WV 25339-1012
CERTIFICATE OF LIVE BIRTH

BIRTH NUMBER

ID: _____

CHILD	1. CHILD'S NAME (First, Middle, Last)		2. DATE OF BIRTH (Month, Day, Year)	3. TIME OF BIRTH
	4. SEX	5. CITY, TOWN, OR LOCATION OF BIRTH	6. COUNTY OF BIRTH	
	7. PLACE OF BIRTH		8. FACILITY NAME (If not institution, give street and number)	
CERTIFIER/ ATTENDANT	9. I certify that this child was born alive at the place and time and on the date stated.		10. DATE SIGNED (Month, Day, Year)	11. ATTENDANT'S NAME AND TITLE (If other than certifier) (If yes, print)
	12. CERTIFIER'S NAME AND TITLE (type/print)		13. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route No. City or Town, State, Zip Code)	
	14. MOTHER'S NAME (First, Middle, Last)		14b. MAIDEN SURNAME	15. DATE OF BIRTH (Month, Day, Year)
MOTHER	16. BIRTH PLACE (State or Foreign Country)		17a. RESIDENCE STATE	17b. COUNTY
	17d. STREET AND NUMBER		17c. CITY, TOWN OR LOCATION	17e. INSIDE CITY LIMITS (Yes/No)
	17f. MOTHER'S MAILING ADDRESS (If same as residence enter zip code only)		18. MOTHER'S MAILING ADDRESS (If same as residence enter zip code only)	
FATHER	19. FATHER'S NAME (First, Middle, Last)		20. DATE OF BIRTH (Month, Day, Year)	21. BIRTH PLACE (State or Foreign Country)
	22. I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief.		23. REGISTRAR'S SIGNATURE	
	24. DATE FILED BY REGISTRAR (Month, Day, Year)		25. DATE FILED BY REGISTRAR (Month, Day, Year)	

STATE COPY

ID: _____

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

MOTHER	25a. Mother's Social Security No.		25b. Father's Social Security No.		25c. Do you wish Social Security No. issued to your child? Yes/No	
	26a. Was HBV Given? Yes/No		26b. If yes, give date		26c. If no, state reason	
	27d. Name of serologic test		27e. At what laboratory?		27f. Was approved solution placed in eyes? Yes/No	
FATHER	28. OF HISPANIC ORIGIN (Specify no or yes. If yes specify Cuban, Mexican, Puerto Rican, etc.)		29. RACE - American Indian, Black, White, etc. (Specify below)		30. EDUCATION (Specify only highest grade completed)	
	28a.		29a.		30a. Elementary/Secondary (0-12)	
	28b.		29b.		30b. College (1-4 or 5+)	
31. PREGNANCY HISTORY (Complete Each Section)		33. MOTHER MARRIED? At birth, conception, or any time in between (Yes/No)		34. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)		
LIVE BIRTHS (Do not include this child)		OTHER TERMINATIONS (Spontaneous and induced at any time after conception)		35. MONTH OF PREGNANCY PRENATAL CARE BEGAN - First, Second, Third, etc. (Specify)		36. PRENATAL VISITS - Total Number (If none, so state)
31a. Now Living		31b. Now Dead		37. BIRTHWEIGHT (Specify Unit)		38. CLINICAL ESTIMATE OF GESTATION (Weeks)
32a. DATE OF LAST LIVE BIRTH (Month/Year)		32b. DATE OF LAST OTHER TERMINATION (Month/Year)		39a. PLURALITY - Single, Twin, Triplet, etc. (Specify)		39b. IF NOT SINGLE - Born First, Second, Third, etc. (Specify)
40. APGAR SCORE		41a. MOTHER TRANSFERRED PRIOR TO DELIVERY? If yes, enter name of facility transferred from:		41b. INFANT TRANSFERRED? If yes, enter name of facility transferred to:		
40a. 1 Minute		40b. 5 Minute		42a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (List all that apply)		47. CONGENITAL ANOMALIES OF CHILD (List all that apply)
42b. OTHER HISTORY FOR THIS PREGNANCY (Complete all items)		44. COMPLICATIONS OF LABOR AND/OR DELIVERY (List all that apply)		45. METHOD OF DELIVERY (List all that apply)		
Tobacco use during pregnancy		00 - None		01 - Vaginal		
Average number of cigarettes per day		01 - Anemia		02 - Vaginal birth after previous C-section		
Alcohol use during pregnancy		02 - Cardiac Disease		03 - Primary C-section		
Average number of drinks per week		03 - Acute or Chronic Lung Disease		04 - Repeat C-section		
Weight gained during pregnancy		04 - Diabetes		05 - Forceps		
43. OBSTETRIC PROCEDURES (List all that apply)		05 - Genital Herpes		06 - Vacuum		
00 - None		06 - Hydranitis/Oligohydramnios		46. CONDITIONS OF THE NEWBORN (List all that apply)		
01 - Amniocentesis Fetal Monitoring		07 - Hemoglobinopathy		00 - None		
02 - Electronic Fetal Monitoring		08 - Hypertension, chronic		01 - Anemia		
03 - Induction of Labor		09 - Hypertension, Pregnancy Associated		02 - Birth Injury		
04 - Stimulation of Labor		10 - Eclampsia		03 - Fetal alcohol syndrome		
05 - Toccolysis		11 - Incompetent Cervix		04 - Hyaline membrane disease / RDS		
06 - Ultrasound		12 - Previous Infant > 4000 grams		05 - Meconium aspiration syndrome		
07 - Other		13 - Previous Preterm or Small for Gestational Age Infant		06 - Assisted ventilation < 30 minutes		
		14 - Renal Disease		07 - Assisted ventilation >= 30 minutes		
		15 - RH Sensitization		08 - Seizures		
		16 - Urinary Bleeding		09 - Other		
		17 - Other				

**WEST VIRGINIA DEPARTMENT OF HEALTH & HUMAN RESOURCES
BUREAU FOR PUBLIC HEALTH - VITAL REGISTRATION
PHYSICIANS / MEDICAL EXAMINER'S CERTIFICATE OF DEATH
ROOM 165, 350 CAPITOL STREET, CHARLESTON, WV 25301**

STATE FILE NUMBER

TYPE/PRINT
IN
PERMANENT
BLACK INK

NAME OF DECEDENT
For use by physician or institution

DECEDENT

PARENTS

INFORMANT

DISPOSITION

**PRONOUNCING
PHYSICIAN ONLY**

ITEMS 24-26 MUST
BE COMPLETED BY
PERSON WHO
PRONOUNCES DEATH

**CAUSE OF
DEATH**

CERTIFIER

REGISTRAR

1. DECEDENT'S NAME (First, Middle, Last)				2. SEX		3. DATE OF DEATH (Month, Day, Year)	
4. SOCIAL SECURITY NUMBER		5a. AGE-Last Birthday (Years)		5b. UNDER 1 YEAR Months Days		5c. UNDER 1 DAY Hours Minutes	
6. DATE OF BIRTH (Month, Day, Year)		7. BIRTHPLACE (City and State or Foreign Country)					
8. WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes or no)		9a. PLACE OF DEATH (Check only one - see instructions on other side) HOSPITAL: ☐ Inpatient ☐ ER/Outpatient ☐ DOA ☐ OTHER: ☐ Nursing Home ☐ Residence ☐ Other (Specify)					
9b. FACILITY NAME (If not institution, give street and number)				9c. CITY, TOWN, OR LOCATION OF DEATH			9d. COUNTY OF DEATH
10. MARITAL STATUS--Married, Never Married, Widowed, Divorced (Specify)		11. SURVIVING SPOUSE (If wife, give maiden name)		12a. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired)		12b. KIND OF BUSINESS/INDUSTRY	
13a. RESIDENCE--STATE		13b. COUNTY		13c. CITY, TOWN, OR LOCATION		13d. STREET AND NUMBER	
13e. INSIDE CITY LIMITS? (Yes or no)		13f. ZIP CODE		14. WAS DECEDENT OF HISPANIC ORIGIN? (Specify No or Yes--If yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ No ☐ Yes Specify:		15. RACE--American Indian, Black, White, etc (Specify)	
16. DECEDENT'S EDUCATION (Specify only highest grade completed)				16A. Elementary/Secondary (0-12) 16B. College (1-4 or 5-)			
17. FATHER'S NAME (First, Middle, Last)				18. MOTHER'S NAME (First, Middle, Maiden Surname)			
19a. INFORMANT'S NAME (Type/Print)				19b. MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code)			
20a. METHOD OF DISPOSITION ☐ Burial ☐ Cremation ☐ Removal from State ☐ Donation ☐ Other (Specify)		20b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)		20c. LOCATION--City or Town, State			
21. SIGNATURE OF FUNERAL SERVICE LICENSEE OR PERSON ACTING AS SUCH				22. NAME AND ADDRESS OF FACILITY			
Complete items 23a-b only when certifying physician is not available at time of death to certify cause of death		23a. To the best of my knowledge, death occurred at the time, date, and place stated Signature and Title				23b. DATE SIGNED (Month, Day, Year)	
24. TIME OF DEATH M		25. DATE PRONOUNCED DEAD (Month, Day, Year)		26. WAS CASE REFERRED TO MEDICAL EXAMINER/CORONER? (Yes or no)			
27. PART I Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line. IMMEDIATE CAUSE (Final disease or condition resulting in death) → a. _____ Due to (or as a consequence of) _____ Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST b. _____ Due to (or as a consequence of) _____ c. _____ Due to (or as a consequence of) _____ d. _____							Approximate interval between Onset and Death
PART II Other significant conditions contributing to death but not resulting in the underlying cause given in Part I						28a. WAS AN AUTOPSY PERFORMED? (Yes or no)	
						28b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no)	
29. MANNER OF DEATH ☐ Natural ☐ Pending Investigation ☐ Accident ☐ Could not be Determined ☐ Suicide ☐ Homicide		30a. DATE OF INJURY (Month, Day, Year)		30b. TIME OF INJURY M		30c. INJURY AT WORK? (Yes or No)	
		30d. PLACE OF INJURY -- At home, farm, street, factory, office building, etc (Specify)		30e. DESCRIBE HOW INJURY OCCURRED			
31a. CERTIFIER (Check only one) ☐ CERTIFYING PHYSICIAN (Physician certifying cause of death when another physician has pronounced death and completed item 23) To the best of my knowledge, death occurred due to the cause(s) and manner as stated ☐ PRONOUNCING AND CERTIFYING PHYSICIAN (Physician both pronouncing death and certifying to cause of death) To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner as stated ☐ MEDICAL EXAMINER/CORONER On the basis of examination and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner as stated		31b. SIGNATURE AND TITLE OF CERTIFIER					
						31c. DATE SIGNED (Month, Day, Year)	
32. NAME AND ADDRESS OF PERSON WHO COMPLETED CAUSE OF DEATH (ITEM 27) (Type/Print)							
33. REGISTRAR'S SIGNATURE						34. DATE FILED (Month, Day, Year)	

WEST VIRGINIA DEPARTMENT OF HEALTH - VITAL REGISTRATION OFFICE

REPORT OF FETAL DEATH

STATE FILE NUMBER

TYPE / PRINT
IN
PERMANENT
BLACK INK
FOR
INSTRUCTIONS
SEE
HANDBOOK

PARENTS

CAUSE

CERTIFIER

BURIAL

MOTHER

FATHER

MULTIPLE BIRTHS

Enter State File

Number for

Mate(s)

LIVE BIRTH(S)

FETAL DEATH(S)

MEDICAL
AND
HEALTH
INFORMATION

1. FACILITY NAME (If not institution, give street and number)				
2. CITY, TOWN, OR LOCATION OF DELIVERY		3. COUNTY OF DELIVERY		4. DATE OF DELIVERY (Month, Day, Year)
6a. MOTHER'S NAME (First, Middle, Last)			6b. MAIDEN SURNAME	7. DATE OF BIRTH (Month, Day, Year)
8a. RESIDENCE - STATE	8b. COUNTY	8c. CITY, TOWN, OR LOCATION		8d. STREET AND NUMBER
8e. INSIDE CITY LIMITS? (Yes or No)	8f. ZIP CODE	9. FATHER'S NAME (First, Middle, Last)		10. DATE OF BIRTH (Month, Day, Year)
11. PART I. FETAL DEATH WAS CAUSED BY: IMMEDIATE CAUSE (a) DUE TO, OR AS A CONSEQUENCE OF: (b) DUE TO, OR AS A CONSEQUENCE OF: (c) DUE TO, OR AS A CONSEQUENCE OF: PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER contributing to fetal death but not related to cause given in Part I				
12. FETUS DIED BEFORE LABOR DURING LABOR OR DELIVERY UNKNOWN		13a. AUTOPSY YES ☐ NO ☐		13b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH?
14a. SIGNATURE		DATE SIGNED (month, day, year)		14c. ATTENDANT - M.D., D.O., C.N.M. OTHER MIDWIFE, Other: (Specify)
14d. CERTIFIER - MAILING ADDRESS (Street or R.F.D. No., city or town, state, zip)		15. SIGNATURE (If delivery not attended by physician)		
16a. BURIAL, CREMATION, OR REMOVAL (Specify)		16b. CEMETERY OR CREMATORY - NAME		16c. LOCATION (City or town, state)
16d. DATE (month, day, year)		17a. FUNERAL HOME - NAME AND ADDRESS		16e. (Street or R.F.D. No., city or town, state, zip)
17b. FUNERAL DIRECTOR - SIGNATURE		18a. REGISTRAR - SIGNATURE		18b. DATE RECEIVED BY LOCAL REGISTRAR month day year

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

19. OF HISPANIC ORIGIN? (Specify No or Yes - If yes, specify Cuban, Mexican, Puerto Rican, etc.)		20. RACE - American Indian, Black, White, etc. (Specify below)		21. EDUCATION (Specify only highest grade completed) Elementary / Secondary (0-12) College (1-4, OR 5 +)		22. OCCUPATION AND BUSINESS / INDUSTRY (Worked during last year) Occupation Business / Industry					
19a. ☐ No ☐ Yes Specify:		20a.		21a. 21b.		22a. 22b.					
19b. ☐ No ☐ Yes Specify:		20b.		21c. 21d.		22c. 22d.					
23. PREGNANCY HISTORY (Complete each section)				24. MOTHER MARRIED? (At delivery, conception, or any time between) (Yes or no)		25. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)					
LIVE BIRTHS		OTHER TERMINATIONS (Spontaneous and induced at any time after conception)		26. MONTH OF PREGNANCY PRENATAL CARE BEGAN - First, Second, Third, etc. (Specify)		27. PRENATAL VISITS - Total Number (If none, so state)					
23a. Now Living Number ☐ None		23b. Now Dead Number ☐ None		23c. DATE OF LAST LIVE BIRTH (Month, Year)		23d. DATE OF LAST OTHER TERMINATION (Month, Year)					
23e. DATE OF LAST LIVE BIRTH (Month, Year)		23f. DATE OF LAST OTHER TERMINATION (Month, Year)		30a. PLURALITY - Single, Twin, Triplet, etc. (Specify)		30b. IF NOT SINGLE BIRTH - Born First, Second, Third, etc. (Specify)					
31a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)				32. OBSTETRIC PROCEDURES (Check all that apply)							
Anemia (Hct < 30/Hgb < 10) 01 ☐ Cardiac disease 02 ☐ Acute or chronic lung disease 03 ☐ Diabetes 04 ☐ Genital herpes 05 ☐ Hydramnios / Oligohydramnios 06 ☐ Hemoglobinopathy 07 ☐ Hypertension, chronic 08 ☐ Hypertension, pregnancy-associated 09 ☐ Eclampsia 10 ☐ Incompetent cervix 11 ☐ Previous infant 4000 + grams 12 ☐ Previous preterm or small-for-gestational-age infant 13 ☐ Renal disease 14 ☐ Rh sensitization 15 ☐ Uterine bleeding 16 ☐ None 00 ☐ Other (Specify) 17 ☐				Amniocentesis 01 ☐ Electronic fetal monitoring 02 ☐ Induction of labor 03 ☐ Stimulation of labor 04 ☐ Tocolysis 05 ☐ Ultrasound 06 ☐ None 00 ☐ Other (Specify) 07 ☐							
31b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)				33. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)							
Tobacco use during pregnancy Yes ☐ No ☐ Average number cigarettes per day _____ Alcohol use during pregnancy Yes ☐ No ☐ Average number drinks per week _____ Weight gained during pregnancy _____ lbs.				Febrile (> 100°F, or 38°C) 01 ☐ Meconium, moderate / heavy 02 ☐ Premature rupture of membrane (>12 hours) 03 ☐ Abruptio placenta 04 ☐ Placenta previa 05 ☐ Other excessive bleeding 06 ☐ Seizures during labor 07 ☐ Precipitous labor (< 3 hours) 08 ☐ Prolonged labor (> 20 hours) 09 ☐ Dysfunctional labor 10 ☐ Breech / Malpresentation 11 ☐ Cephalopelvic disproportion 12 ☐ Cord prolapse 13 ☐ Anesthetic complications 14 ☐ Fetal distress 15 ☐ None 00 ☐ Other (Specify) 16 ☐				35. CONGENITAL ANOMALIES OF FETUS (Check all that apply)			
				Anencephalus 01 ☐ Spina bifida / Meningocele 02 ☐ Hydrocephalus 03 ☐ Microcephalus 04 ☐ Other central nervous system anomalies (Specify) 05 ☐ Heart malformations 06 ☐ Other circulatory / respiratory anomalies (Specify) 07 ☐ Rectal atresia / stenosis 08 ☐ Tracheo esophageal fistula / Esophageal atresia 09 ☐ Omphalocele / Gastroschisis 10 ☐ Other gastrointestinal anomalies (Specify) 11 ☐ Malformed genitalia 12 ☐ Renal agenesis 13 ☐ Other urogenital anomalies (Specify) 14 ☐ Cleft lip / palate 15 ☐ Polydactyly / Syndactyly / Adactyly 16 ☐ Club foot 17 ☐ Diaphragmatic hernia 18 ☐ Other musculoskeletal / integumental anomalies (Specify) 19 ☐ Down's syndrome 20 ☐ Other chromosomal anomalies (Specify) 21 ☐ None 00 ☐ Other (Specify) 22 ☐							
				34. METHOD OF DELIVERY (Check all that apply)							
				Vaginal 01 ☐ Vaginal birth after previous C-section 02 ☐ Primary C-section 03 ☐ Repeat C-section 04 ☐ Forceps 05 ☐ Vacuum 06 ☐ Hysterotomy / Hysterectomy 07 ☐							

WEST VIRGINIA BUREAU FOR PUBLIC HEALTH - VITAL REGISTRATION
APPLICATION FOR MARRIAGE LICENSE

TYPE/PRINT
IN
PERMANENT
BLACK INK
FOR
INSTRUCTIONS
SEE
HANDBOOK

License No. _____

Date License Issued _____

COUNTY: _____

STATE FILE NUMBER _____

GROOM

1. GROOM'S NAME (First, Middle Last)

2. AGE LAST BIRTHDAY

3a. RESIDENCE - CITY, TOWN, OR LOCATION

3b. COUNTY

3c. STATE

4. BIRTHPLACE (State or Foreign Country)

5. DATE OF BIRTH (Month, Day, Year)

6a. FATHER'S NAME (First, Middle Last)

6b. BIRTHPLACE (State or Foreign Country)

7a. MOTHER'S NAME (First, Middle, Maiden Surname)

7b. BIRTHPLACE (State or Foreign Country)

8. SOC. SEC. NO.

9. RELATIONSHIP TO BRIDE

10. EVIDENCE OF AGE

NONE ☐

11a. BRIDE'S NAME (First, Middle, Last)

11b. MAIDEN SURNAME (If different)

12. AGE LAST BIRTHDAY

13a. RESIDENCE-CITY, TOWN, OR LOCATION

13b. COUNTY

13c. STATE

14. BIRTHPLACE (State or Foreign Country)

15. DATE OF BIRTH (Month, Day, Year)

16a. FATHER'S NAME (First, Middle, Last)

16b. BIRTHPLACE (State or Foreign Country)

17a. MOTHER'S NAME (First, Middle, Maiden Surname)

17b. BIRTHPLACE (State or Foreign Country)

18. SOC. SEC. NO.

19. RELATIONSHIP TO GROOM

20. EVIDENCE OF AGE

NONE ☐

21. NUMBER OF THIS MARRIAGE- First Second, etc. (Specify below)

22. IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED

By Death, Divorce, Dissolution, or Annulment (Specify below)

Date (Month-Day, Year)

23. RACE-American Indian, Black, White, etc. (Specify below)

24. EDUCATION (Specify only highest grade completed)

Elementary / Secondary (0-12)

College (1-4 or 5 +)

GROOM

21a.

22a.

22b.

23a.

24a.

24b.

BRIDE

21b.

22c.

22d.

23b.

24c.

24d.

Bride and groom must sign. →

Marriage is designed to be a loving and lifelong union between a woman and a man. The laws of this state affirm your right to enter into this marriage and to live within the marriage free from violence and abuse. Neither of you is the property of the other. Physical abuse, sexual abuse, battery and assault of a spouse or other family member, and other provisions of the criminal laws of this state are applicable to spouses and other family members and these violations are punishable by law.

The applicant(s), being first duly sworn, declares that the statements above are true and correct.

25. SIGNATURE OF GROOM

26. SIGNATURE OF BRIDE

27. Taken, subscribed and sworn to before the undersigned authority by the applicant(s) above, this _____ day of _____, year _____

County Clerk By _____

Deputy Clerk, County Court of _____ County, WV

RECORD OF MARRIAGE

28. DATE OF MARRIAGE

(Month)

(Day)

(Year)

29. COUNTY OF MARRIAGE

30. CITY OR TOWN OF MARRIAGE

31. OFFICIANT'S NAME

b. ADDRESS

c. AUTHORIZED POSITION ☐ RELIGIOUS OFFICIAL

☐ CIVIL OFFICIAL

Specify Religious Body

Specify Authorized Position

32. SIGNATURE OF COUNTY CLERK

33. DATE FILED

(Month)

(Day)

(Year)

To County Clerk:
1. Transcribe information from marriage license, to Record of Marriage.
2. Item 31: Enter date this record is completed.

FORM VS-008 (REV. 5 / 2000)

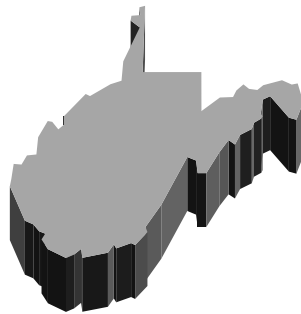
COUNTY COPY

WV BUREAU FOR PUBLIC HEALTH - VITAL REGISTRATION
MONTHLY REPORT OF DIVORCES AND ANNULMENTS OF MARRIAGES GRANTED

MONTH _____ COUNTY OF _____

CIVIL ACTION NUMBER	HUSBAND'S FULL NAME WIFE'S FULL MAIDEN NAME	DATE OF BIRTH OR AGE AT DIVORCE	PLACE OF MARRIAGE		DATE OF MARRIAGE (MM/DD/YYYY)	PLAINTIFF SPECIFY H OR W	DIVORCE OR ANNULMENT SPECIFY D OR A	NAME(S) CHILDREN UNDER 18 YEARS	DATE OF DECREE (MM/DD/YYYY)	DO NOT WRITE IN THIS SPACE
			COUNTY	STATE						
	(H)									
	(W)									
	(H)									
	(W)									
	(H)									
	(W)									
	(H)									
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	(W)									

DVS-9 (REV 10-2004) (SEE REVERSE SIDE FOR INSTRUCTIONS AND CERTIFICATION)

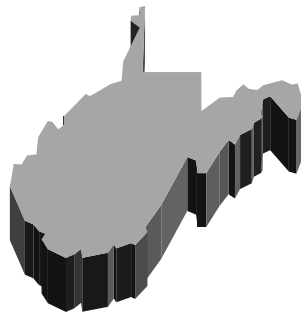


West Virginia Vital Statistics
Appendix B:
ICD-10 Codes

APPENDIX B

GROUPINGS OF ICD-10 CODES

<u>ICD-10 CODE</u>	<u>SELECTED CAUSE</u>
A15-A19	Tuberculosis
A40-A41	Septicemia
B20-B24	Human Immunodeficiency Virus Infection
C00-C97	Malignant Neoplasms
C15-C26	--of Digestive Organs
C18	----of Colon
C25	----of Pancreas
C30-C39	--of Respiratory and Intrathoracic Organs
C33-C34	----Trachea, Bronchus, and Lung
C50	--of Breast
C51-C68	--of Genitourinary Organs
C53	----Cervix Uteri
C56	----Ovary
C61	----Prostate
C67	----Bladder
	--All Other (Malignant Neoplasms)
D00-D48	Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Unspecified Nature
E10-E14	Diabetes Mellitus
G30	Alzheimer's Disease
I00-I78	Major Cardiovascular Diseases
I00-I09, I11, I13,	
I20-I51	--Diseases of the Heart
I20-I25	----Ischemic Heart Disease
I10, I12	--Essential Hypertension and Hypertensive Renal Disease
I60-I69	--Cerebrovascular Disease
I70	--Arteriosclerosis
I71-I78	--Other Diseases of the Arteries, Arterioles, and Capillaries
J10-J18	Influenza and Pneumonia
J10-J11	--Influenza
J12-J18	--Pneumonia
J40-J47	Chronic Lower Respiratory Diseases
J40-J43, J45-J46	--Bronchitis, Emphysema, and Asthma
J60-J70	Lung Diseases Due to External Agents
J60	--Coal Worker's Pneumoconiosis
K70, K73-K74	Chronic Liver Disease and Cirrhosis
N00-N07, N17-N19,	
N25-N27	Nephritis, Nephrotic Syndrome, and Nephrosis
Q00-Q99	Congenital Anomalies (Congenital Malformations, Deformations, and Chromosomal Abnormalities)
R95-R99	Ill-Defined and Unknown Causes of Death
V01-X59,	
Y85-Y86	Accidents
V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79,	
V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8,	
V89.0, V89.2	--Motor Vehicle
W00-W19	--Falls
X00-X09	--Smoke, Fire, and Flames
W65-W74	--Drownings
	--All Other (Accidents)
X60-X84, Y87.0	Intentional Self-Harm (Suicide)
X85-Y09, Y87.1	Assault (Homicide)
	All Other Causes (Residual)



West Virginia Vital Statistics
Appendix C:
HSC Statistical Briefs



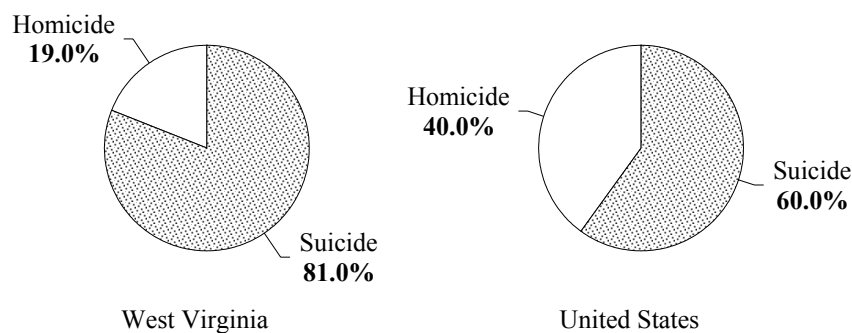
HSC Statistical Brief



Selected Data on Suicides West Virginia and the United States Brief No. 13

Violence-related injury mortality (homicides and suicides) was the 9th leading cause of death in the United States and the 10th leading cause of death in West Virginia in 2001. Because homicides receive more attention in the news media, many people do not realize that suicides far outnumber homicides every year in both West Virginia and the nation, but particularly so in our state. In 2001, for example, there were 51,326 violence-related deaths in the United States; 60% (30,622) of these were the result of suicide. In West Virginia in that same year, there were a total of 358 violent deaths; of these, **81%** (290) resulted from suicide. The pie charts below illustrate the proportion of suicide in total violence-related deaths. The U.S. Centers for Disease Control and Prevention (CDC) has recognized suicide as a significant public health problem and in 1999 published *The Surgeon General's Call to Action to Prevent Suicide* (1).

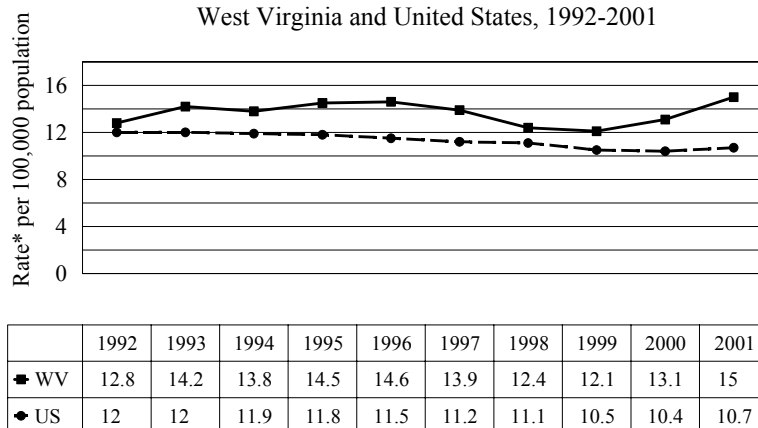
Figure 1. Distribution of violence-related deaths
West Virginia and United States, 2001



Nationally, suicide deaths have decreased slightly over the past decade, from an age-adjusted rate of 12.0 deaths per 100,000 population in 1992 to 10.7 in 2001. West Virginia has not followed the

national trend, however; the state's suicide rate has risen from 12.8 in 1992 to 15.0 in 2001. In addition, in each year between 1992 and 2001, the state rate has exceeded the national rate. Figure 2 shows the trends in suicide mortality in West Virginia and the United States over the study period.

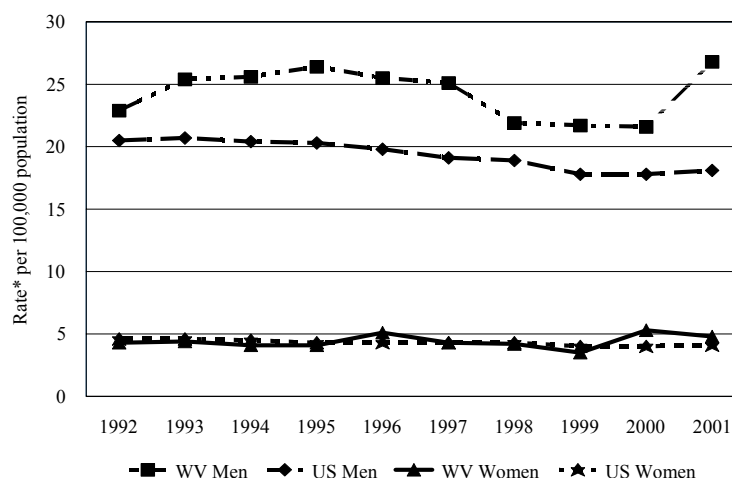
Figure 2. Annual suicide rates, all ages
West Virginia and United States, 1992-2001



*Rates are age adjusted to the 2000 U.S. standard population.

Suicide Rates by Sex. Figure 3 depicts the 1992-2001 trends for West Virginia and the United States by sex. There is very little variation in suicide rates among women both statewide and nationwide over the 10-year period. It is a quite different story when looking at the suicide rates among men. The difference between state and nation in overall rates is due almost completely to the state's male rates, which are consistently higher than comparable national rates and do not show the same downward trend as in the nation as a whole. Table 1 on the following page details the age-adjusted suicide rates for individual years for both sexes for West Virginia and the United States.

Figure 3. Annual suicide rates by sex, all ages
West Virginia and United States, 1992-2001



*Rates are age adjusted to the 2000 U.S. standard population.

Table 1. Annual number and rate* of suicides by sex West Virginia and United States, 1992-2001				
	West Virginia		United States	
Males	Number	Rate	Number	Rate
1992	199	22.9	24,457	20.5
1993	226	25.4	25,007	20.7
1994	219	25.6	25,174	20.4
1995	237	26.4	25,369	20.3
1996	230	25.5	24,998	19.8
1997	221	25.1	24,492	19.1
1998	193	21.9	24,538	18.9
1999	195	21.7	23,458	17.8
2000	194	21.6	23,618	17.8
2001	240	26.8	24,672	18.1
Females				
1992	41	4.4	6,027	4.6
1993	43	4.4	6,095	4.6
1994	39	4.1	5,968	4.5
1995	39	4.1	5,915	4.3
1996	49	5.1	5,905	4.3
1997	41	4.3	6,043	4.3
1998	39	4.2	6,037	4.3
1999	34	3.5	5,714	4.0
2000	51	5.3	5,732	4.0
2001	46	4.8	5,950	4.1

*Rates are age adjusted to the 2000 U.S. standard population.

Suicide Rates by Age. Figures 4 and 5 illustrate the difference in state and national suicide rates by age for three time periods: 1993-95, 1996-98, and 1999-2001 (data were aggregated to compensate for small numbers of state suicides in some age groups). As shown, state age-specific rates were consistently higher than comparable national rates for each of the selected age groups in all three time periods. Although state rates are higher, the same downward trend in rates between 1993 and 2001 (however slight) can be seen among adolescents (10-19), young adults (20-39), and older adults (65+). This trend is not evident, however, among middle-aged state residents (40-64), where a slight increase occurred between 1996-98 and 1999-2001.

Figure 4. Suicide mortality rates among adolescents and young adults
West Virginia and United States
1993-1995, 1996-1998, and 1999-2001

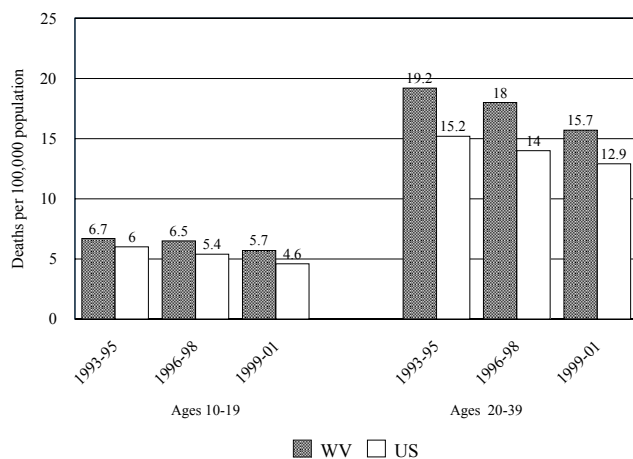
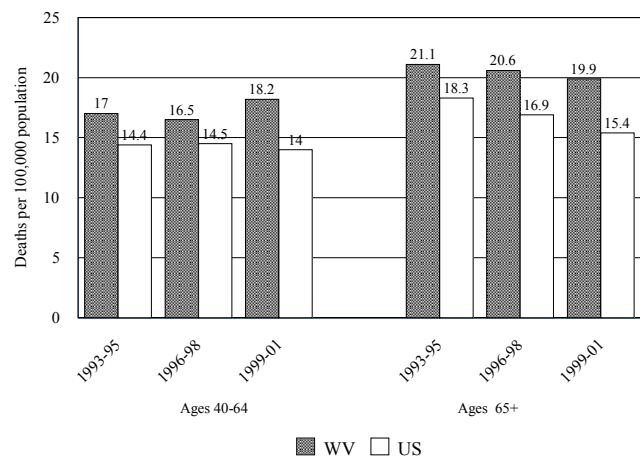
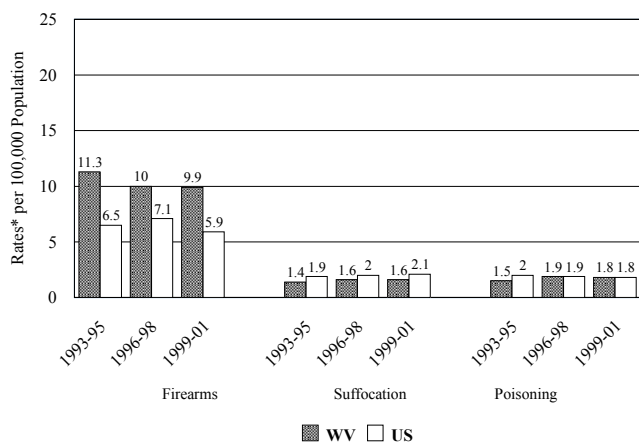


Figure 5. Suicide mortality rates among middle-aged and older adults
West Virginia and United States
1993-1995, 1996-1998, and 1999-2001



Method of Suicide. West Virginia's higher suicide rates are the result of markedly higher rates of firearm-related suicides, as shown in Figure 6. The three most common methods of suicide, i.e., firearms, suffocation (mostly hanging), and poisoning, are included in the graph. State rates of suicide by suffocation and poisoning are similar to, or slightly lower than, national rates over the three time periods. From 1999-2001, the most recent time period, West Virginia's rate of firearm suicide was 68% higher than the U.S. rate.

Figure 6. Suicide mortality rates by method
West Virginia and United States
1993-1995, 1996-1998, and 1999-2001



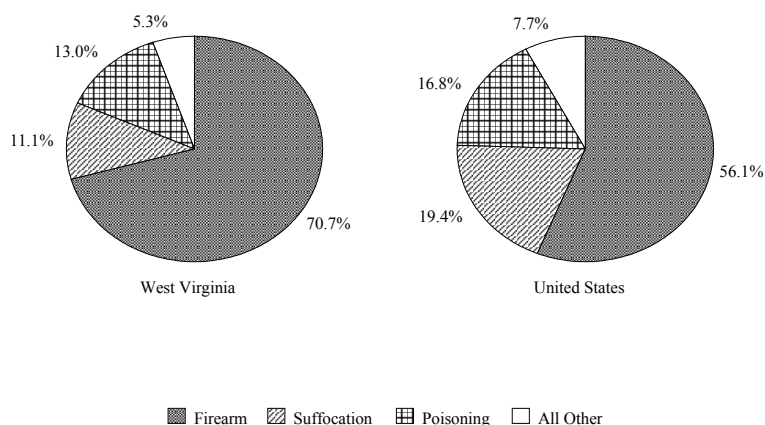
*Rates are age adjusted to the 2000 U.S. standard million.

The pie charts below (Figure 7) show the distribution of suicide deaths by method for 1999 through 2001 in West Virginia and the United States. Out of a total of 89,171 suicides in the nation during those years, 50,054 or 56% were firearm related. In West Virginia, 537 out of a total of 760 suicides, or 71%, were firearm related. Suffocation accounted for 19% of U.S. suicides and 11% of state suicides, while poisoning was responsible for 17% and 13%, respectively, of suicides nationally and statewide.

Firearms have traditionally been and remain a predominately male choice for method of suicide. Although women accounted for 17% of total suicides from 1999-2001 in West Virginia, they made up only 12% of firearm suicides. In the United States as a whole, 20% of all suicides from 1999-2001 were

female, compared with 13% of firearm-related suicides. Twelve percent (12%) of suffocation suicides in the state were female, as were 17% of suffocation suicides nationwide. Women made up a much larger percentage of poisoning suicides, however, 46% in West Virginia and 43% in the United States.

Figure 7. Distribution of suicide deaths by method
West Virginia and United States, 1999-2001



Adolescents. Teenage suicides have always prompted particular concern. A 2004 report from the CDC published in the *Morbidity and Mortality Weekly Report* (2) revealed that, nationwide, the suicide rate among 10- to 19-year-olds decreased 25% between 1992 and 2001, from a rate of 6.2 deaths per 100,000 population to a rate of 4.6, a drop attributed in large part to fewer firearm suicides. Nevertheless, suicide remained the 3rd leading cause of death among persons aged 10-19 in the United States in 2001. Even more disturbing is the fact that suicide was the 2nd leading cause of death among this age group in West Virginia in that year.

Aggregated data displayed in Figure 4 (page 3) show that adolescent, or teenage, suicides in West Virginia fell from a rate of 6.7 deaths per 100,000 population in 1993-95 to 5.7 in 1999-2001 (a decline of 15%), compared with rates of 6.0 and 4.6, respectively, in the United States for the same three-year groupings (a decline of 23%). While the state rates do indicate a downward trend, this decrease is occurring at a slower rate than in the nation. Although still less likely than males to succeed in taking their own lives, females accounted for a larger percentage of suicides among 10- to 19-year-olds than among total suicides. Nearly three out of every 10 (29%) adolescent suicides in West Virginia in 1999-2001 were female, compared with 17% of adolescent suicides nationally.

Figure 8. Firearm-related suicide rates among adolescents aged 10-19
West Virginia and United States
1993-1995, 1996-1998, 1999-2001

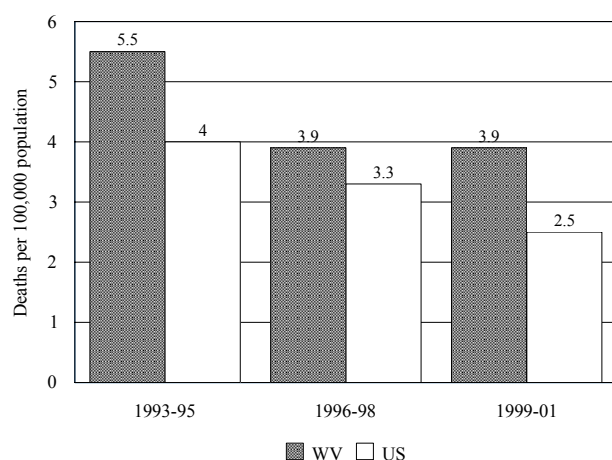
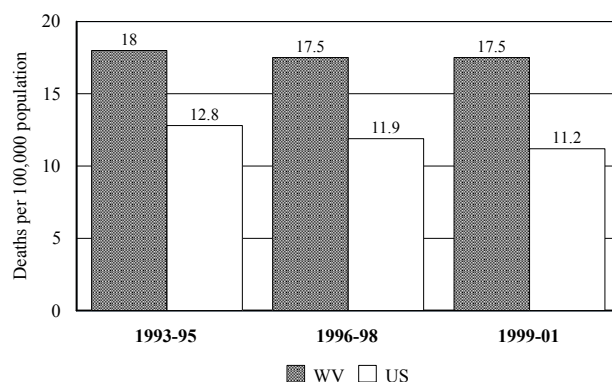


Figure 9. Firearm-related suicide rates among older adults aged 65+
West Virginia and United States
1993-1995, 1996-1998, 1999-2001



State data on teenage firearm suicides do not follow the national trend. Although West Virginia's firearm suicide rate among adolescents fell from 5.5 deaths per 100,000 population in 1993-95 to 3.9 in 1996-98, the rate remained constant in 1999-2001. The national rate, however, continued its decline, to 2.5 in 1999-2001. Figure 8 illustrates these differences. Among West Virginia's 1999-2001 adolescent firearm suicide victims, 25% were female, compared with 12% nationwide.

Older Adults. Older adults, those aged 65 and older, also are of great concern because the highest rates of suicide occur among this age group, both state- and nationwide; in fact, it is estimated that an older adult commits suicide every 83 minutes (3). Figure 5 on page 3 shows higher rates among older adults than among other age groups across all three time periods in our study.

Males predominate in this age group as they do in the others, accounting for 84% and 85% of older suicides in the United States and West Virginia, respectively. Firearms constitute an even higher proportion of suicide method among older adults, responsible for 73% of older adult suicides nationally and 88%, nearly 9 out of 10, of comparable suicides in

West Virginia. As Figure 9 indicates, firearm-related suicide rates among older West Virginians have remained virtually unchanged over the past decade, while national rates have decreased over the same period.

Discussion. It is not surprising that West Virginia's rates of firearm suicide are higher than the national rates since gun ownership is more common in the Mountain State than in most other states. A 1992 report published in the *New England Journal of Medicine* studied the strength of the association between firearm availability and suicide (4). The authors found that the risk of suicide increased nearly fivefold with the presence of one or more guns in the household. In 2002, West Virginia ranked 6th in the nation in the percentage of adults who reported having firearms in or around their homes, according to data from the Behavioral Risk Factor Surveillance System^a (BRFSS) survey. Overall, 58% of survey respondents possessed firearms, 66% of males and 52% of females, with ownership increasing with age. Among adolescents, Youth Risk Behavior Surveillance System^b (YRBSS) survey data from 2003 showed that students in West Virginia were more likely to have possession of a gun than their national peers. Nineteen percent (19%) of male students in the state and 2% of female students reported having carried a firearm in the month before they were surveyed.

Firearms are different from other weapons in that they are far more lethal. Firearm suicide attempts result in death from 70% to 90% of the time; suicide attempts using any other means have a success rate of only 10% to 15% (5). Suicides are often impulsive events, especially among youth, and the use of a method other than a firearm could change the outcome of the attempt. Regardless of age, however, availability and lethality are a dangerous combination, especially to someone suffering from depression. Data published by the National Strategy for Suicide Prevention (a collaborative effort of several governmental agencies including the Substance Abuse and Mental Health Services Administration and the CDC) estimate that, nationally, 20% of adults over the age of 65 who commit suicide visit a doctor within 24 hours prior to the event, 41% see a doctor within a week, and 75% visit a doctor within one month (6). It is urgent to improve detection and treatment of depression in order to reduce the risk of suicide among the elderly, as well as among other age groups. Primary care physicians, physician assistants, and nurse practitioners (i.e., those health professionals who see patients on a regular and frequent basis), in particular, need to be better able to identify those persons at risk for depression, for proper treatment can be lifesaving. All suicides, but particularly firearm suicides, pose a serious problem in West Virginia that our health professionals need to address.

^a The BRFSS is a monthly telephone survey established by the CDC that allows states to monitor health behaviors among their adult populations (aged 18+). The BRFSS included 54 states and territories in 2002. Firearm possession prevalence was measured in West Virginia in 1995, 1996, 2001, and 2002.

^b The YRBSS was developed by the CDC to monitor health-risk behaviors among youth and young adults and has been conducted in odd-numbered years since 1991. National, state, territorial, and local school-based surveys of 9th through 12th graders are included.

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2. CDC. Methods of suicide among persons aged 10-19 years – United States, 1992-2001. *MMWR* 2004;53:471-474.
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HSC Statistical Brief



The Burden of Arthritis in West Virginia, 2003 Brief No. 14

Arthritis, one of the most common conditions reported by the American population, actually comprises more than 100 diseases that involve the joints, the tissues that surround the joints, and other connective tissue. Affecting approximately 43 million Americans, it is the leading cause of disability in the United States, causing some level of activity limitation in nearly one in six affected, or more than 7 million people. It is estimated that by 2020, 60 million Americans, almost 20% of the population, will be affected by arthritis. Of these, one-fifth (12 million) will suffer activity limitations.

COSTS. In 2004, the Centers for Disease Control and Prevention (CDC) published estimates of the direct (medical care expenditures) and indirect (value of time lost from work among persons aged 18-64) costs of arthritis and other rheumatic conditions (AORC) in the United States in 1997. Data from the 1997 Medical Expenditure Panel Survey and the 2002 Behavioral Risk Factor Surveillance System (BRFSS) were used to calculate the estimates. The total costs in the nation in 1997 were estimated at \$86.2 billion (\$51.1 billion in direct costs and \$35.1 billion in indirect costs). State-specific estimates were also generated: **in West Virginia, a total of \$750 million was expended in 1997 on AORC, \$445 million in direct medical costs and \$305 million in indirect costs.**

PREVALENCE. The 2003 West Virginia BRFSS survey included several questions on arthritis and other rheumatic conditions. Over half of the respondents aged 18 and older (55.9%) reported symptoms of pain, aching, or stiffness in or around a joint (not including neck or back) during the previous 30 days. Of those, the symptoms of 84.5% had begun more than three months prior to the interview.

All respondents were then asked "Have you ever been told by a doctor or other health professional that you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?" Thirty-seven percent (37.2%) of West Virginia adults (an estimated 529,169 individuals) answered "yes" to this question, the highest rate among the 50 states, the District of Columbia, and the three territories that participated in the 2003 BRFSS. The state rate was

significantly higher than that for the United States as a whole (27.1%; 95% CI: 26.8, 27.4). No significant difference was reported in the state by gender; 34.9% of men had AORC, compared with 39.3% of women. The rate of being diagnosed with AORC increased with age, from 7.4% of respondents aged 18-24 to 62.2% of those aged 65 and older. Adults with less education and lower incomes were more likely than others to have AORC. Table 1 below presents the prevalence of arthritis and other rheumatic conditions by gender, age, education, and income.

**Table 1. Prevalence (%) of Arthritis and Other Rheumatic Conditions among Adults
West Virginia Behavioral Risk Factor Surveillance System, 2003**

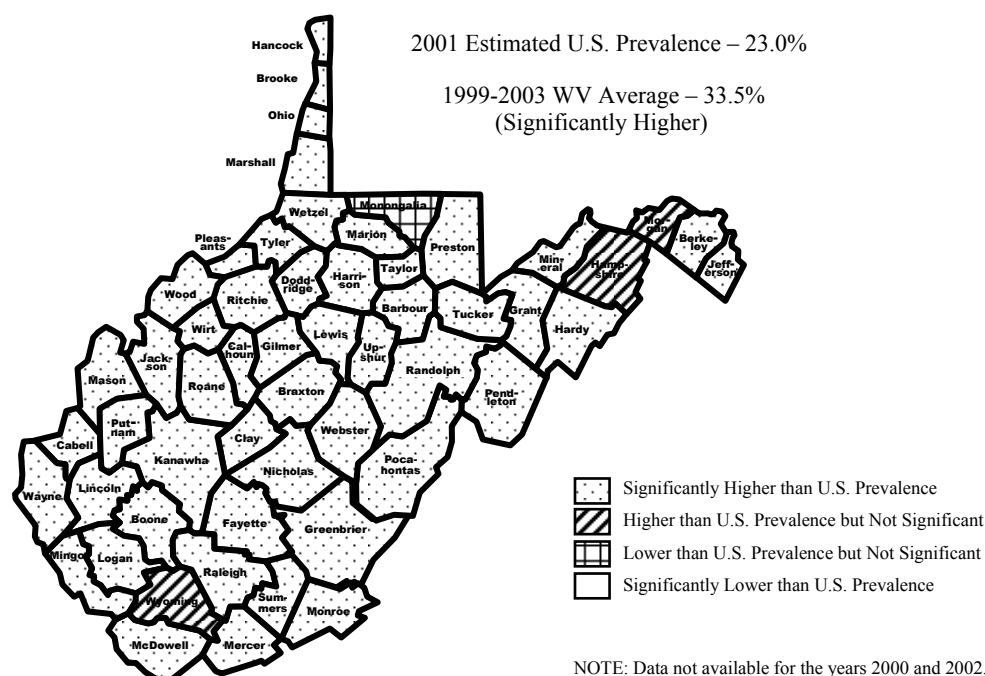
Characteristic	Men			Women			Total		
	# Resp	%	95% CI	# Resp	%	95% CI	# Resp	%	95% CI
TOTAL	1,313	34.9	(32.1-37.8)	2,016	39.3	(37.0-41.7)	3,329	37.2	(35.4-39.0)
Age									
18-24	91	6.4	(0.8-12.1)	111	8.3	(2.9-13.8)	202	7.4	(3.4-11.3)
25-34	186	20.4	(14.0-26.8)	268	15.3	(10.6-20.0)	454	17.8	(13.9-21.8)
35-44	234	30.0	(23.6-36.3)	320	27.1	(21.7-32.5)	554	28.5	(24.3-32.7)
45-54	282	41.0	(34.7-47.2)	386	40.5	(35.3-45.7)	668	40.7	(36.7-44.8)
55-64	248	49.7	(43.0-56.4)	395	60.4	(55.2-65.6)	643	55.1	(50.9-59.4)
65+	271	56.3	(50.0-62.6)	525	66.3	(61.9-70.7)	796	62.2	(58.6-65.9)
Education									
Less than H.S.	245	46.0	(38.7-53.3)	390	55.0	(49.5-60.5)	635	50.6	(46.0-55.2)
H.S. or G.E.D.	524	34.4	(30.0-38.8)	787	40.0	(36.2-43.7)	1,311	37.3	(34.4-40.2)
Some Post-H.S.	263	31.0	(25.0-37.0)	473	35.0	(30.3-39.8)	736	33.3	(29.5-37.0)
College Graduate	278	29.1	(23.5-34.8)	365	27.3	(22.4-32.1)	643	28.2	(24.5-32.0)
Income									
Less than \$15,000	171	51.1	(42.3-59.9)	354	50.6	(44.6-56.5)	525	50.8	(45.7-55.9)
\$15,000- 24,999	259	43.6	(37.0-50.1)	458	44.2	(39.2-49.3)	717	43.9	(39.9-48.0)
\$25,000- 34,999	193	38.4	(31.0-45.9)	268	37.8	(31.5-44.1)	461	38.1	(33.2-42.9)
\$35,000- 49,999	211	34.1	(27.3-41.0)	266	36.2	(29.9-42.4)	477	35.1	(30.4-39.7)
\$50,000- 74,999	168	29.2	(21.9-36.5)	225	24.4	(18.4-30.5)	393	26.8	(22.0-31.6)
\$75,000+	183	21.6	(15.0-28.2)	146	21.5	(14.8-28.2)	329	21.6	(16.7-26.5)

Arthritis prevalence data from the 1999, 2001, and 2003 BRFSS surveys were aggregated to provide county prevalence rates. McDowell County had the highest rate at 48.1%, while Monongalia County had the lowest rate (18.7%). The map on the following page illustrates the prevalence of AORC by county. (Individual county rates are found in Appendix A.)

LIMITATIONS. Arthritis-related limitations were ascertained through two additional BRFSS questions. Thirty-six percent (36.3%) of respondents who reported having had joint pain for at least three months answered “yes” to the question “Are you now limited in any way in your usual activities because of arthritis or joint symptoms?” This was the fourth highest rate

among the 54 BRFSS participants; the national prevalence was 29.7% (95% CI: 29.3, 30.2). Thirty-two percent (31.6%) of respondents who reported having had joint pain for at least three months and were aged 18 through 64 said “yes” when asked “Do arthritis or joint symptoms now affect where you work, the type of work you do, or the amount of work you do?” This rate was the fifth highest in the nation, where the overall rate was 26.0% (95% CI: 25.5, 26.6). Thirty-five percent (35.0%) of state men reported activity limitation, compared with 37.5% of women; 32.4% of men had some work limitation, compared with 30.8% of women. These differences were not statistically significant. In general, activity and work limitations increased with age and decreased with increasing education and income. Table 2 on page 4 presents the prevalence of arthritis-related limitations by gender, age, education, and income.

Prevalence of Arthritis and Other Rheumatic Conditions by County WVBRFSS, 1999, 2001, 2003

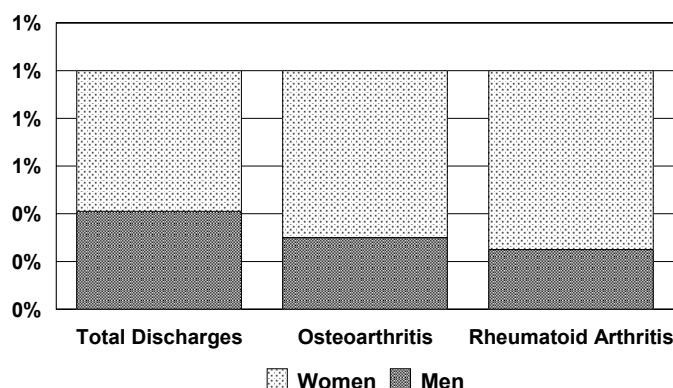


HOSPITAL DISCHARGE RECORDS. Hospital discharge data^c provide an additional perspective in the attempt to understand the prevalence of a condition and the burden it imposes on society. For this brief, hospital discharges having a diagnosis of rheumatoid

^c Inpatient data from all nonfederal licensed hospitals in the state and Medicare data on West Virginia residents hospitalized in out-of-state hospitals. Up to nine diagnoses (one principal and eight secondary) are recorded.

arthritis (ICD-9 codes 714.0-714.9) or osteoarthritis and allied disorders (ICD-9 codes 715.0-715.9) were examined using data obtained from the Health IQ2003 website^d provided by the West Virginia Health Care Authority. In 2003, out of a total of approximately 298,448 discharges, an estimated 23,444 had arthritis as either a principal or secondary diagnosis, representing nearly 1 in every 12 discharges. Women made up the majority of both total and arthritis discharges, 59.3% and 70.5%, respectively.

**Distribution of Total, Osteoarthritis, and Rheumatoid Arthritis Discharges by Gender
West Virginia Inpatient Hospital Discharge Records, 2003**



Of the 23,444 discharges having an arthritis diagnosis, 2,936 (12.5%) had a diagnosis of rheumatoid arthritis and 20,508 (87.5%) had an osteoarthritis diagnosis. Women were even more likely than men to have a rheumatoid arthritis diagnosis (75% vs. 25%) than an osteoarthritis diagnosis (70% vs. 30%). The graphic to the right illustrates the distribution of discharges by gender and type of arthritis diagnosis.

^d <http://www.hcawv.org/DataAndPublic/Data.htm>

**Table 2. Prevalence (%) of Arthritis-Related Limitations among Adults
West Virginia Behavioral Risk Factor Surveillance System, 2003**

Characteristic	Arthritis or joint symptoms limit usual activities *			Arthritis or joint symptoms affect place of work, type of work, or amount of work **		
	# Resp.	%	95% CI	# Resp.	%	95% CI
TOTAL	1,992	36.3	(34.0-38.7)	1,405	31.6	(28.8-34.3)
Sex						
Males	756	35.0	(31.3-38.7)	573	32.4	(28.2-36.7)
Females	1,236	37.5	(34.5-40.4)	832	30.8	(27.3-34.2)
Age						
18-24	56	21.7	(9.8-33.7)	56	21.2	(9.5-32.8)
25-34	192	28.2	(21.1-35.4)	193	30.7	(23.4-38.0)
35-44	270	37.7	(31.4-44.1)	270	31.9	(25.8-38.1)
45-54	436	36.5	(31.6-41.4)	432	33.1	(28.3-38.0)
55-64	454	42.7	(37.7-47.8)	454	33.3	(28.5-38.0)
65+	579	37.8	(33.6-42.1)	--	--	--
Education						
Less than H.S.	447	49.7	(44.5-55.0)	244	50.3	(43.0-57.6)
H.S. or G.E.D.	791	36.0	(32.3-39.7)	570	34.3	(29.9-38.7)
Some Post-H.S.	434	30.3	(25.5-35.0)	332	23.0	(18.1-28.0)
College Graduate	318	26.0	(20.8-31.2)	259	16.9	(11.9-21.9)
Income						
Less than \$15,000	377	57.6	(51.8-63.4)	236	55.1	(47.7-62.5)
\$15,000- 24,999	467	41.5	(36.6-46.4)	293	44.0	(37.6-50.4)
\$25,000- 34,999	262	30.1	(24.0-36.2)	194	31.3	(23.8-38.8)
\$35,000- 49,999	269	27.2	(21.1-33.2)	218	23.2	(16.7-29.8)
\$50,000- 74,999	202	26.4	(19.6-33.2)	186	15.3	(9.9-20.8)
\$75,000+	141	17.6	(11.2-24.0)	134	11.9	(6.2-17.5)

* Among adults who reported three months of joint pain or diagnosis of arthritis by a doctor or health care professional

** Among adults aged 18 to 64

WEST VIRGINIA ARTHRITIS COALITION. While the focus of the medical community is on treating arthritis in the individual patient, the public health approach targets the entire population. In order to impact the burden of arthritis in West Virginia, further definition of the problem in the state is of highest priority, i.e., identifying the needs of those residents who suffer from, or are at risk for, arthritis. Awareness of the condition and the fact that prevention strategies do exist, e.g., weight control, physical activity, injury prevention in sports and the workplace, and protection from tick bites and the potential for Lyme disease, must be emphasized, both to the general public and to health care providers. The importance of early diagnosis must also be stressed, for it is estimated that 200,000 people nationwide do not see a doctor even when arthritis is limiting their usual activities. To this end, the West Virginia Bureau for Public Health and the Arthritis Foundation, Ohio River Valley Chapter, are collaborating in the development of the West Virginia Arthritis Coalition. This statewide

council, which held its first meeting in February 2005, is open to all organizations and individuals that are committed to improving the quality of life for people with arthritis. The coalition will initially focus on three primary areas: public awareness of arthritis, defining the burden of arthritis in the state, and educating primary care practitioners. For further information, contact Germaine Weis with the Bureau for Public Health, Office of Epidemiology and Health Promotion, at (304) 558-0644 or germaineweis@wvdhhr.org.

Appendix A
Prevalence (%) of Arthritis and Other Rheumatic Conditions by County
WVBRFSS 1999, 2001, 2003

County	%	Rank*	County	%	Rank*
Barbour	36.4	12	Monongalia	18.7	36
Berkeley	27.4	33	Monroe	38.7	6
Boone	37.7	8	Morgan	30.2	27
Braxton	32.1	25	Nicholas	32.1	25
Brooke	30.0	28	Ohio	32.4	24
Cabell	37.1	9	Pendleton	28.0	31
Calhoun	36.4	13	Pleasants	36.0	15
Clay	36.4	13	Pocahontas	28.0	31
Doddridge	39.9	4	Preston	38.6	7
Fayette	35.3	17	Putnam	24.6	35
Gilmer	36.4	13	Raleigh	36.9	10
Grant	34.3	19	Randolph	31.4	26
Greenbrier	38.7	6	Ritchie	39.9	4
Hampshire	30.2	27	Roane	36.4	13
Hancock	26.1	34	Summers	38.7	6
Hardy	28.0	31	Taylor	36.4	12
Harrison	34.2	20	Tucker	38.6	7
Jackson	36.4	14	Tyler	36.0	15
Jefferson	28.5	30	Upshur	33.0	23
Kanawha	27.9	32	Wayne	33.3	22
Lewis	39.9	4	Webster	32.1	25
Lincoln	37.7	8	Wetzel	36.0	15
Logan	40.7	3	Wirt	36.4	14
McDowell	48.1	1	Wood	35.0	18
Marion	33.5	21	Wyoming	36.4	11
Marshall	29.0	29			
Mason	38.9	5	Total WV	33.5	
Mercer	35.7	16	Total US	23.0	
Mineral	34.3	19			
Mingo	43.6	2			

Note: The data from counties sharing the same rank were combined due to low sample sizes. Aggregated sample sizes were large enough for 24 of the 55 counties to stand alone. The data from the remaining 31 counties were combined into 12 groupings of counties. Each county within a grouping shares the same prevalence.

*Rates are rounded to the nearest tenth; ranks were determined before rounding.



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Gender Differences in Life Expectancy, Mortality, and Health-Related Behaviors, West Virginia, 2003 Brief No. 15

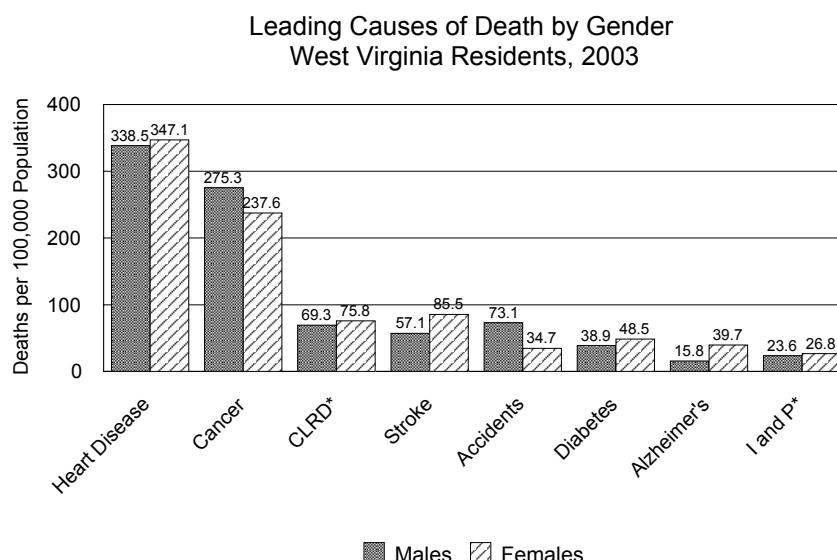
In general, women live longer than men. This is true nationwide, in every one of the 50 states and in the District of Columbia. In 2003, the estimated life expectancy in the United States was 77.6, 74.8 for men and 80.1 for women. This was a substantial increase from 1990, when the overall average life expectancy was 75.4, 71.8 for men and 78.8 for women. The gap between men and women narrowed, from 6.97 years in 1990 to 5.30 in 2003.

The National Center for Health Statistics calculates average life expectancies by state decennially, using three years of data centered on census years. The latest state information currently available is that for 1989-1991 (NCHS, May 1998). According to these data, West Virginia ranked 44th among the states and D.C. in overall average lifetime. At that time, the average life expectancy for West Virginia residents was 74.26, 70.53 for men (1.27 years less than the U.S. average) and 77.93 for women (0.87 years less than the U.S. average). The gap in life expectancy between men and women in the state was 7.40 years.

CAUSES OF DEATH. The leading cause of death for both men and women in West Virginia in 2003 was heart disease. The state's rates for heart disease mortality in that year differed little by gender, 338.5 deaths per 100,000 men and 347.1 deaths per 100,000 women. The gender-specific rates for West Virginia's eight leading causes of death in 2003 are shown in the graph on page 2. Men had higher rates of mortality from cancer (13.7% higher) and unintentional injury (accidents) (52.5% higher). Women were 8.6% more likely than men to die from chronic lower respiratory diseases, 11.9% more likely to die from influenza and pneumonia, 19.9% more likely to die from diabetes, 33.2% more likely to die from stroke, and 60.2% more likely to die from Alzheimer's disease. Stroke, influenza and pneumonia, and Alzheimer's disease are all more likely to occur among older people, making women, with their longer life spans, more vulnerable to death from these causes.

While 64.4% of all 2003 unintentional injury deaths were male, 69.1% of motor vehicle accident deaths occurred among males, as did two-thirds (66.6%) of poisoning deaths. In fact, of

all categories of unintentional injury mortality, only deaths from falls were more likely to occur among women than men (51.7% versus 48.3%, respectively). Intentional injury deaths (i.e., suicide and homicide) were markedly more likely to occur among men. Of the 278 suicides in West Virginia in 2003, 234, or 84.2%, were males. The state had 92 homicides in 2003; of these, 63, or 68.5%, were males.



*Chronic Lower Respiratory Diseases; Influenza and Pneumonia
Rates calculated using 2003 Census population estimates.

PREMATURE DEATHS. Years of potential life lost (YPLL) before age 75 are a measure of premature death, calculated as the difference between age 75 (an average lifespan in the United States) and the age at death. The sum of YPLL across all causes of death represents the total for all people dying before the age of 75. A person who dies at the age of 45, for example, would contribute 30 years to the total YPLL (75-45=30). According to 2001 data, West Virginia ranked 44th among the 50 states in total YPLL, with 8,923 YPLL per 100,000 population, compared with a U.S. rate of 7,521 YPLL per 100,000 population.

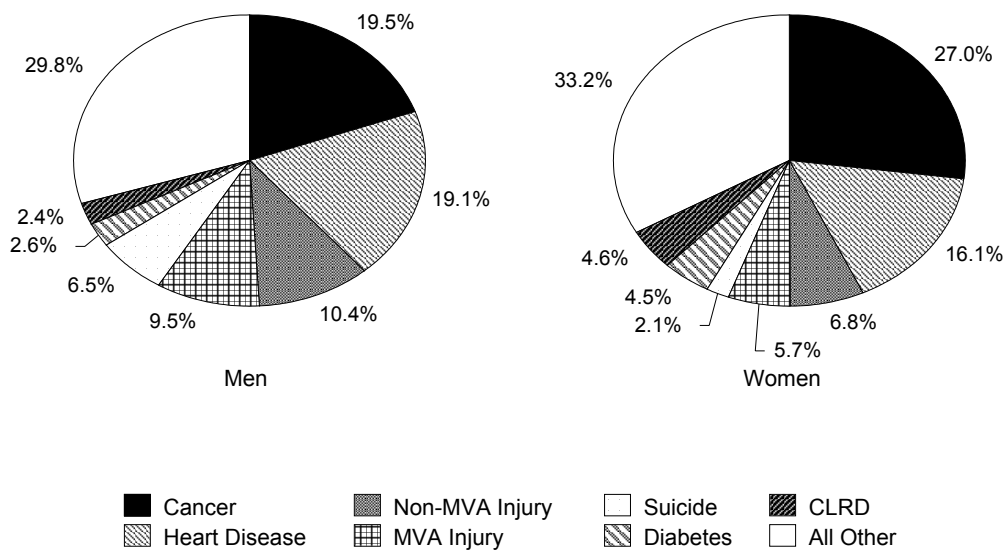
In 2003, there were a total of 161,585 YPLL in West Virginia. Of these, 101,336 (62.7%) were among men and 60,249 (37.3%) among women, illustrating the fact that men are more likely to die prematurely than are women. The table on the following page presents the leading causes of YPLL in 2003 by gender. The graph illustrates the differences in the distribution of YPLL.

Of the ten leading causes of YPLL, men were more likely than women to die before the age of 75 from cancer, heart disease, non-motor vehicle accidents, motor vehicle accidents, suicide, perinatal conditions (certain causes of infant deaths), chronic liver disease and cirrhosis, and stroke. The differences were most pronounced in deaths from heart disease, non-motor vehicle accidents, and motor vehicle accidents. The only causes from which women were more likely to die prematurely were diabetes and chronic lower respiratory diseases.

Leading Causes of YPLL* by Gender West Virginia Residents, 2003			
Cause of Death	Men	Women	Total
All Causes	101,336	60,249	161,585
Cancer	19,710	16,290	36,000
Heart Disease	19,302	9,691	28,993
Non-Motor Vehicle Accidents	10,506	4,107	14,613
Motor Vehicle Accidents	9,624	3,442	13,066
Suicide	6,566	1,264	7,830
Diabetes Mellitus	2,667	2,684	5,351
Chronic Lower Respiratory Diseases	2,461	2,759	5,220
Perinatal Conditions	3,204	1,863	5,066
Chronic Liver Disease and Cirrhosis	3,150	871	4,021
Stroke	2,108	1,804	3,912
All Other Causes	22,038	15,474	37,512

*Years of potential life lost before age 75

Distribution of Leading Causes of YPLL by Gender
West Virginia Residents, 2003



Health is a product of many factors, including genetics, life style, and socioeconomic influences. It has been estimated 43% of mortality is due to our life styles, or the health behaviors we practice during our lifetimes.^c As a rule, nonsmokers live longer than smokers, heavy drinkers die sooner than moderate drinkers or persons who do not drink at all, individuals who use seatbelts while driving or riding in a car are more likely to survive an accident, and so on. The Behavioral Risk Factor Surveillance System (BRFSS) measures certain behaviors among adults (aged 18 and older) that have been associated with the occurrence of chronic disease or injury. The table below presents BRFSS data from 2003 by gender for selected behaviors.

Prevalence (%) of Selected Health Behaviors by Gender West Virginia Behavioral Risk Factor Surveillance System, 2003			
Health Behavior	Men	Women	Total
Current Cigarette Smoking	27.6	27.1	27.3
Smokeless Tobacco Use	15.9*	0.3	7.7
Obesity**	30.5*	25.0	27.7
Overweight**	39.0*	29.2	34.0
Physical Inactivity	24.9*	30.9	28.0
High Blood Pressure	35.0	32.3	33.6
High Cholesterol	33.8*	41.7	38.1
Not Using Seatbelts (2002)	32.6*	19.2	25.6
Heavier Drinking (>2 drinks/day for men and >1 drink /day for women)	4.5*	1.9	3.1
Binge Drinking (5+drinks on one occasion)	16.8*	5.9	11.1
*Denotes a statistically significant gender difference (using a 95% confidence interval).			
**Obesity is defined as having a body mass index (BMI) of 30 or greater; overweight is defined as having a BMI of 25-29.			

Overall, little difference in current cigarette smoking was reported by men and women, but men were significantly more likely to use smokeless tobacco. Men were also significantly more likely than women to report being either overweight or obese, being a heavy or binge drinker, or not always wearing a seatbelt. Women, on the other hand, were significantly more likely to be physically inactive or have been diagnosed with high cholesterol. Men were slightly more likely to report having high blood pressure, but this difference was not statistically significant.

Men on average have shorter life expectancies than women. They are more likely than women to die prematurely, i.e., before the age of 75. Injury deaths in particular occur much more frequently among men, but men are also more likely to die at a younger age from heart disease, cancer, and chronic liver disease and cirrhosis. These facts are supported by BRFSS data that indicate that men are more likely than women to engage in negative health behaviors such as nonuse of seatbelts, alcohol misuse, and poor nutrition leading to obesity and overweight.

^cAlan Dever, *Social Indicators Research* 2, p.462, 1976



HSC Statistical Brief



Asthma Among West Virginia Children Brief No. 16

Asthma is a disease of the lungs characterized by inflammation of the air passages. During an asthma episode or attack, airways become blocked or narrowed causing tightness in the chest, difficulty breathing, wheezing, and coughing. There are many “triggers” that may initiate an asthma episode, including allergens, irritants in the air, respiratory infections, exercise, weather, strong emotional expressions, and some medications (1). Asthma symptoms can be controlled through medication and avoidance of identified triggers. However, poor management of the disease can lead to hospitalization and even death.

Asthma is the most common chronic disorder among children (2). In 2003, an estimated 6.2 million children in the United States under the age of 18 had asthma. It is the leading cause of school absenteeism (due to chronic conditions) and the third leading cause of hospitalization among children under the age of 15. In 2003, asthma accounted for an estimated 12.8 million lost school days among school-aged children (2) and 213,000 hospitalizations among children under the age of 15 (3). While deaths due to asthma are rare among the young, in 2002, 170 children under the age of 15 died as a result of asthma complications (4).

Asthma is the most common chronic condition and the leading cause of school absenteeism among children.

SURVEILLANCE. Since 1997, national data on the prevalence and severity of asthma among children and adolescents have been collected primarily through the National Health Interview Survey. However, comparable state-level data did not exist before 2002. The WV Youth Tobacco Survey (YTS) collected information on asthma prevalence, asthma attacks, prescription medication use, and missed school days from WV public middle school (MS) students in 2002 and public high school (HS) students in 2002 and 2005. No state-sponsored survey has ever collected data on asthma among younger children.

In 2003, the U.S. Maternal and Child Health Bureau sponsored the National Survey of Children’s Health (NSCH) after identifying a lack of national and state-specific data on the health and well being of children under the age of 18. An adequate sample was collected in each of the 50 states and the District of Columbia to produce valid, reliable, and comparable state-level estimates. A total of 2,022 interviews were completed in West Virginia. The NSCH is scheduled to be repeated in 2007.

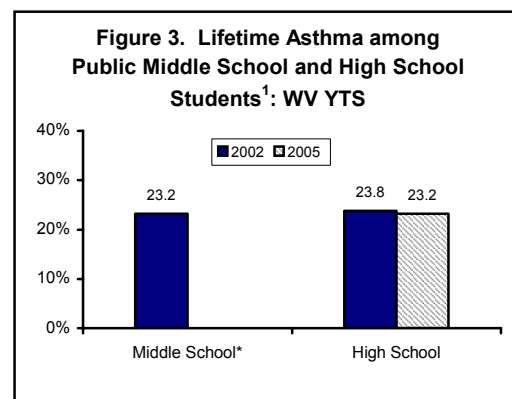
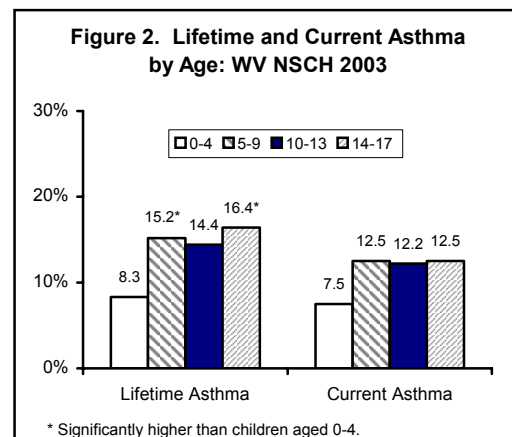
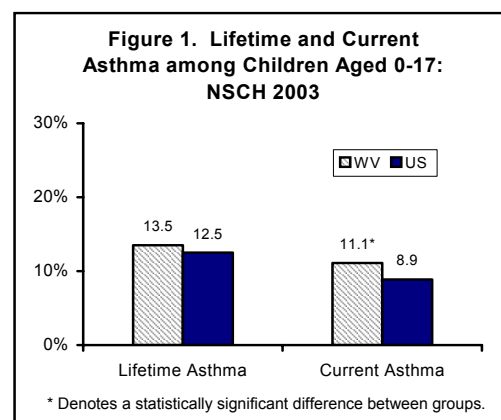
PREVALENCE

In 2003, the percentage of children who currently had asthma was significantly higher in WV than the nation as a whole (see Figure 1). According to the NSCH, more than 1 in 10 (11.1%) WV children under the age of 18 had asthma in 2003, compared with 8.9% of children in the US. This was the 4th highest prevalence in the country (among the 50 states and DC; range 5.7% to 11.9%). Only Delaware, Hawaii, and DC reported higher rates of current asthma in 2003.

The prevalence of lifetime asthma was significantly higher than current asthma in the US but not WV. According to the NSCH, 13.5% of WV children and 12.5% of US children in 2003 had ever been diagnosed with asthma by a doctor or health care professional (see Figure 1). Among the 50 states and DC, WV ranked 12th in the prevalence of lifetime asthma in 2003 (range=8.1% to 17.2%).

The prevalence of current asthma did not significantly differ by age in 2003 (NSCH). *However, children under the age of five were significantly less likely to have ever been diagnosed with asthma (lifetime asthma) than older children (see Figure 2).* This may be partly explained by the hesitance of some health professionals to provide an asthma diagnosis to this age group, due to complications in diagnosis among very young children (5). Although as adults, WV females are significantly more likely to have current asthma than males, the prevalence of asthma did not significantly differ by gender among WV children (according to NCHS and YTS data).

While YTS estimates of lifetime asthma^f among WV youth are higher than the NSCH (see Figures 2, 3), estimates of current asthma prevalence are consistent between the surveys. According to the YTS, approximately 13% of WV HS students currently have asthma (13.1% in 2002; 12.9% in 2005) (current asthma prevalence cannot be calculated for MS students). This is comparable to the 12.5% estimate among 14-to-17 year-olds in the NSCH. Between 2002 and 2005, the prevalence of lifetime and current asthma remained stable among WV HS students.



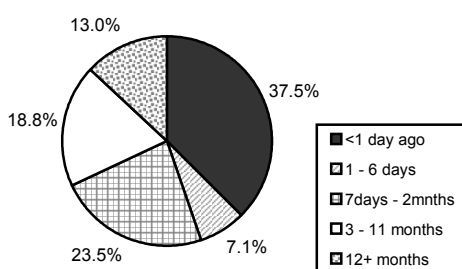
* Middle schools were not surveyed in 2005.

^f Due to differences in YTS survey questions, lifetime asthma is defined differently for middle school and high school students. Middle school: ever diagnosed with asthma by a doctor; High school: ever diagnosed with asthma by a doctor or other health care professional.

Not only were WV children significantly more likely to have current asthma than US children, they also had significantly higher rates of asthma than WV adults. In 2003, 11.1% of WV children currently had asthma, compared with 8.1% of WV adults (as measured by the WV Behavioral Risk Factor Survey). While the rates of current asthma did not differ between WV girls (0-18) and women (18+) in 2003 (10.7% versus 10.7%), WV boys had a significantly higher rate than WV men (11.5% versus 5.3%).

SYMPTOMS & DISEASE MANAGEMENT

Figure 4. Last Prescription Medication Use among Children with Current Asthma: WV NSCH 2003

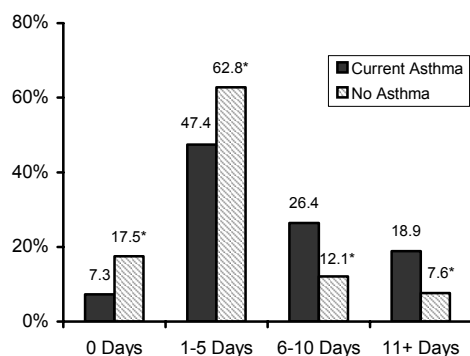


Note: Percentages do not sum to 100% due to rounding.

Asthma is a variable disease. Symptoms of the disease differ among individuals, can vary within an individual by time of day and year, and can change throughout the life span. Uncontrolled asthma can lead to severe symptoms that result in missed school days, emergency room visits, hospital stays, and reduced quality of life.

Asthma attacks are the most common symptom measured by surveys. **According to the NSCH and YTS, a majority of children with asthma had recently experienced an asthma attack.** The NSCH indicates that 59.9% of WV children and 60.8% of US children with asthma in 2003 had experienced an attack within the 12 months prior to the survey. The YTS produced a similar estimate for WV HS students with current asthma (63.6% in 2002; 58.6% in 2005). Nearly half (48.5%) of WV MS students with lifetime asthma in 2002 reported an asthma episode within the past year.

Figure 5. Missed School Days by Asthma Status: WV NSCH 2003**



* Denotes a statistically significant difference by asthma status.

** Number of missed days due to illness or injury in the 12 months prior to the survey.

More than one-third (37.5%) of children with current asthma in 2003 had taken prescription medication to manage their asthma within the day prior to the survey (NSCH; see Figure 4). The YTS asked students if they were currently taking prescription asthma medication. Nearly half (49.4%) of WV MS students with lifetime asthma in 2002 reported current medication use. Close to 40% of HS students with lifetime asthma (36.7% in 2002; 38.4% in 2005) and almost 60% with current asthma were currently taking prescription asthma medication (56.5% in 2002 and 58.5% in 2005).

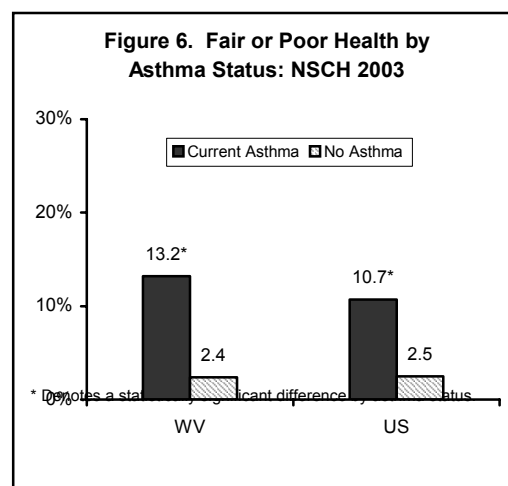
Children with asthma were significantly more likely to miss school than children without asthma (see Figure 5).

According to the NSCH, more than 9 out of 10 WV children (92.7%) with current asthma in 2003 missed school due to

illness or injury within the 12 months prior to the survey, compared with 82.5% of children without asthma. Children with asthma were also significantly more likely to miss more than 5 days of school than

school during the 12 months prior to the survey and nearly one-fifth (18.9%) missed 11 or more days. The YTS asked students about missed school days specifically due to asthma complications. Approximately 40% of WV MS students with lifetime asthma (39.9% in 2002) and HS students with current asthma (45.1% in 2002; 37.0% in 2005) missed one or more days of school due to asthma during the current school year.

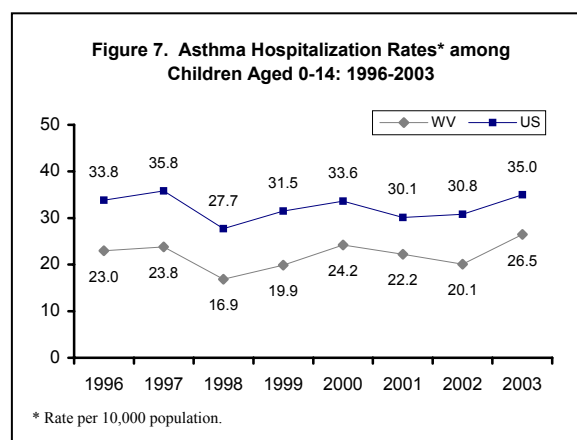
Uncontrolled asthma can cause health problems that reduce quality of life. According to the NSCH, 8.1% of WV children with asthma experienced severe health difficulties as a result of the disease in 2003. In addition, the disease caused a “great deal of burden” in 3.2% of families with a child who currently has asthma. *Ultimately, children with current asthma were significantly more likely to have fair or poor general health than children without asthma (see Figure 6).*



HOSPITALIZATIONS

Hospitalizations are a strong indicator of the burden of asthma because asthma hospitalizations are considered preventable. That is, with proper management of the disease, individuals with asthma should not need to be hospitalized due to asthma complications. Yet, asthma is the third leading cause of hospitalization among children in the nation (2). Ultimately, a reduction in asthma hospitalizations signals an increase in well-managed asthma and a decrease in the health and economic burdens of the disease.

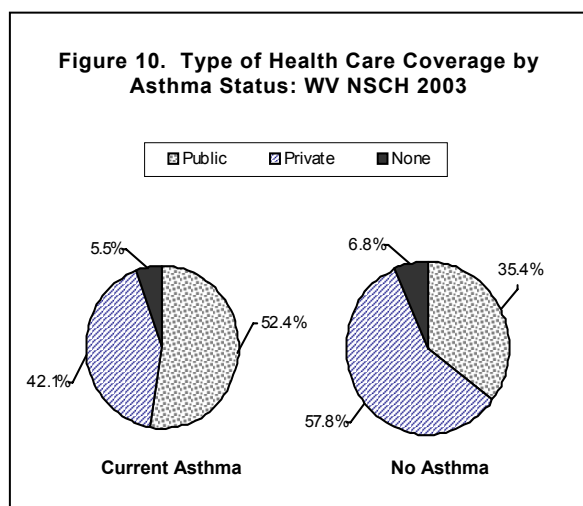
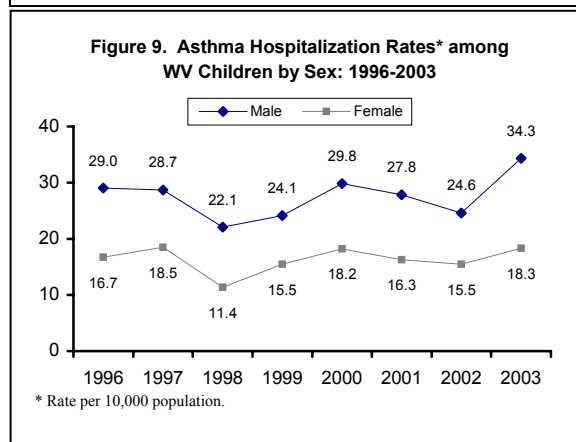
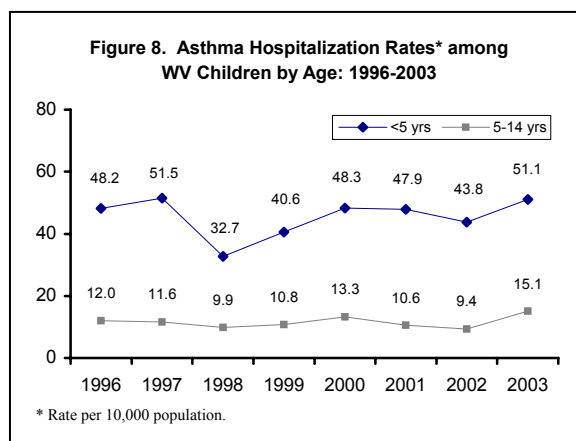
According to the WV Health Care Authority (WVHCA)[§], 3,471 hospitalizations with a primary diagnosis of asthma (ICD-9-CM 493) occurred among West Virginians (rate of 19.2 per 10,000) in 2003. Nearly one-fourth (24.3%) of these were among children under the age of 15 (845 hospitalizations). In the years 1996 through 2002, WV children had a higher rate of asthma hospitalizations than West Virginians aged 15-44, 45-64, and 65 and older. *WV children experienced a much lower rate of hospitalizations due to asthma than US children in the years 1996 through 2003 (see Figure 7).*



[§] The WVHCA collects hospital discharge data from all non-federal licensed hospitals in the state. National hospital discharge rates are calculated from the National Hospital Discharge Survey.

In 2003, the rate of asthma hospitalizations among WV children was 26.5 per 10,000, compared with 35.0 per 10,000 among children nationwide.

Asthma hospitalizations differed by age and sex among WV children. *In the years 1996 to 2003, WV children under the age of 5 had asthma hospitalization rates 3 to 4 times higher than those aged 5 to 14 (see Figure 8).* In every year from 1996 to 2003, WV females had a higher rate of asthma hospitalizations than males. For example, in 2003 WV females had an age-adjusted asthma hospitalization rate of 22.8 per 10,000, compared with a rate of 14.5 per 10,000 among males. However, in childhood males had a considerably higher rate than females (see Figure 9). *In 2003, WV boys were hospitalized due to asthma complications at a rate almost twice that of girls (34.3 per 10,000 versus 18.3 per 10,000).*



In 2003, WV children experienced the highest number (112) of asthma hospitalizations in September. When hospitalized with asthma complications, they spent an average of two days in the hospital. Hospitalization charges totaled nearly \$3 million, with more than half (55.6%) of child hospitalizations charged to public health insurance programs such as Medicaid, WV Children's Health Insurance Program (CHIP), and Medicare.

HEALTH CARE ACCESS & UTILIZATION

It is important for children with a chronic disease such as asthma to have access to adequate health care coverage and medical treatment. While children with asthma should receive routine medical exams, excessive use of emergency departments and high rates of hospitalization are an indication that a child's asthma is not properly managed or controlled.

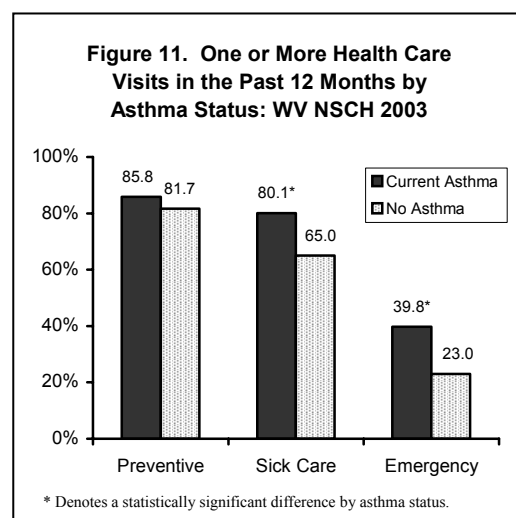
In 2003, WV children were significantly more likely to have health care coverage than US children (NSCH). According to the NSCH, 6.6% of WV children were uninsured in 2003, compared with 8.8% of children nationwide. *The percentage of children without health insurance did not significantly differ by asthma status in WV (see Figure 10).*

WV children were also significantly more likely to have public health care coverage (such as Medicaid or CHIP) than US children. More than one-third (37.2%) of WV children had public health insurance in 2003, compared with 27.7% of US children (NSCH). ***In addition, children with asthma were significantly more likely to have public health coverage than those without asthma (see Figure 10).***

Overall, WV children were also more likely to have a personal doctor than US children. The NSCH defines a personal doctor as a health professional who knows the child well and is familiar with the child's health history. In 2003, approximately 12% (12.4%) of WV children did not have a personal doctor, compared with nearly 17% (16.7%) of US children. ***In 2003, children with asthma were significantly more likely to have a personal doctor than those without asthma (WV: 94.6% versus 86.7%; US: 88.6% versus 82.8%).***

There are four main types of medical care: preventive care^h, sick care, emergency care, and hospitalization. The NSCH indicates that overall, WV children were significantly more likely to have had a preventive health visit in the 12 months prior to the survey than US children (82.1% versus 77.8%). However, there was no significant difference in the rate of preventive visits between WV and US children with asthma (85.8% versus 86.8%). Although US children with asthma were significantly more likely than those without asthma to have had a preventive visit, ***preventive visits did not differ significantly by asthma status in WV (see Figure 11).***

Children in WV and the US with asthma were significantly more likely to have had a sick care visit and emergency room visit within the past year than those children without asthma (see Figure 11 for WV). ***In addition, children with asthma were significantly more likely to have experienced multiple visits.*** The NSCH indicates that the percentage of children who had six or more sick care visits in the year prior to the survey was more than three times higher among WV children with asthma than those without asthma (24.1% versus 6.7%, respectively). More than one-fifth (23.9%) of WV children with asthma in 2003 had two or more emergency room visits within the 12 months prior to the survey, compared with 8.3% of children without asthma.



CONCLUSION

Asthma is the most common chronic condition among children in the United States, and in 2003 West Virginia had the 4th highest rate of childhood asthma in the nation (among the 50 states and D.C.) Approximately 11% of WV children currently had asthma, a significantly higher rate than US children (8.9%). Poor management of the disease can lead to complications resulting in hospitalization or even death.

Data from the NSCH and YTS showed that a majority of WV children with asthma had experienced an asthma attack within the year prior to the survey. In addition, they were more likely than children without

^h Preventive medical care refers to routine doctor visits such as physical exams or well-child check-ups.

asthma to 1) miss school, 2) have fair or poor health, 3) experience sick care and emergency room visits, and 4) have public health care coverage. On a positive note, WV children with asthma were more likely to have a personal doctor than those without asthma.

Although WV children were significantly more likely to have asthma than children nationwide, the rate of asthma hospitalizations among children was lower in WV than the US in the years 1996 through 2003. Overall, WV children (aged 0-14) had a higher rate of asthma hospitalizations than adults, and younger children (aged 0-5) had a considerably higher rate than older children (aged 5-14). While WV boys were no more likely to have asthma than girls, they had a dramatically higher rate of hospitalization due to asthma complications.

In 2004, the WV Asthma Education and Prevention Program (WV-AEPP), housed within the Bureau for Public Health and funded by the Centers for Disease Control and Prevention (CDC), began implementing asthma management and environmental trigger programs in schools across the state. In collaboration with the American Lung Association of West Virginia, WV-AEPP formed the West Virginia Asthma Coalition (WVAC). WVAC comprises individuals and organizations interested in reducing the burden of asthma in the state. WVAC members meet multiple times a year to collaborate and work on projects aimed at ensuring quality health care, promoting healthy trigger-free environments, identifying and addressing needs of children with asthma, and distributing information about the disease. For additional information about childhood asthma, WV-AEPP programs, or the WVAC, visit the WV-AEPP (<http://www.wvdhhr.org/bph/oehp/asthma/default.htm>) or WVAC (http://www.alawv.org/WVAC_folder/WVAC.htm) websites.

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3. DeFrances CJ, Hall MJ, Podgornik MN. *2003 National Hospital Discharge Survey*. Advance data from vital and health statistics; no 359. Hyattsville, MD: National Center for Health Statistics. 2005. (Table 2).
4. Kochanek KD, Murphy SL, Anderson RN, Scott C. *Deaths: Final Data for 2002*. National vital statistics reports; vol 53 no 5. Hyattsville, MD: National Center for Health Statistics. 2004. (Table 10).
5. National Initiative for Children's Healthcare Quality. *Asthma Resources for Providers: Tips for the Diagnosis of Asthma in Children Under 5*. Online. <<http://www.nichq.org/NICHQ/>>.

ADDITIONAL RESOURCES

National Hospital Discharge Survey: Annual Summary with Detailed Diagnosis and Procedure Data. National Center for Health Statistics. (1996-2002).

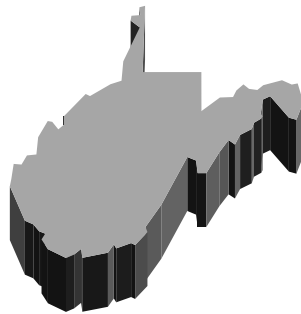
National Survey of Children's Health, 2003. Sponsored by the US Department of Health and Human Services, Maternal and Child Health Bureau.

WV Behavioral Risk Factor Survey, 2003. Sponsored by the Centers for Disease Control and Prevention. Conducted by the WV Health Statistics Center.

WV Youth Tobacco Survey 2002, 2005. Sponsored by the WV Division of Tobacco Prevention and the WV Department of Education.

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Produced in collaboration with the West Virginia Asthma Coalition.



West Virginia Vital Statistics

Appendix D:

Grams Conversion

Appendix D

Grams Conversion Table

Pounds	Ounces															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	-----	28	57	85	113	142	170	198	227	255	284	312	340	369	397	425
1	454	482	510	539	567	595	624	652	680	709	737	765	794	822	851	879
2	907	936	964	992	1,021	1,049	1,077	1,105	1,134	1,162	1,191	1,219	1,247	1,276	1,304	1,332
3	1,361	1,389	1,418	1,446	1,474	1,503	1,531	1,559	1,588	1,616	1,644	1,673	1,701	1,729	1,758	1,786
4	1,814	1,843	1,871	1,899	1,928	1,956	1,985	2,013	2,041	2,070	2,098	2,126	2,155	2,183	2,211	2,240
5	2,268	2,296	2,325	2,353	2,381	2,410	2,438	2,466	2,495	2,523	2,552	2,580	2,608	2,637	2,665	2,693
6	2,722	2,750	2,778	2,807	2,835	2,863	2,892	2,920	2,948	2,977	3,005	3,033	3,062	3,090	3,119	3,147
7	3,175	3,204	3,232	3,260	3,289	3,317	3,345	3,373	3,402	3,430	3,459	3,487	3,515	3,544	3,572	3,600
8	3,629	3,657	3,686	3,714	3,742	3,771	3,799	3,827	3,856	3,884	3,912	3,941	3,969	3,997	4,026	4,054
9	4,082	4,111	4,139	4,167	4,196	4,224	4,253	4,281	4,309	4,338	4,366	4,394	4,423	4,451	4,479	4,508
10	4,536	4,564	4,593	4,621	4,649	4,678	4,706	4,734	4,763	4,791	4,820	4,848	4,876	4,905	4,933	4,961
11	4,990	5,018	5,046	5,075	5,103	5,131	5,160	5,188	5,216	5,245	5,273	5,301	5,330	5,358	5,387	5,415
12	5,443	5,472	5,500	5,528	5,557	5,585	5,613	5,641	5,670	5,698	5,727	5,755	5,783	5,812	5,840	5,868
13	5,897	5,925	5,954	5,982	6,010	6,039	6,067	6,095	6,124	6,152	6,180	6,209	6,237	6,265	6,294	6,322
14	6,350	6,379	6,407	6,435	6,464	6,492	6,521	6,549	6,577	6,606	6,634	6,662	6,691	6,719	6,747	6,776