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2001*

*Department of Health and Human Resources
Bureau for Public Health
Office of Epidemiology and Health Promotion*

FIFTY-FIFTH ANNUAL REPORT
VITAL HEALTH STATISTICS
OF
WEST VIRGINIA
2001



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Blackwater Falls, Blackwater Falls State Park, Davis, Tucker County

Blackwater Falls is one of the most recognizable landmarks in the state and sits at the head of Blackwater Canyon. The canyon stretches eight miles to the junction of the Blackwater River with the Black Fork of the Cheat River. This February 2003 photo illustrates the winter weather that makes the area a popular destination for cross-country and downhill skiers. The park accommodations include a lodge, restaurant, cabins, conference center, and indoor pool.

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WEST VIRGINIA VITAL STATISTICS SUMMARY 2001

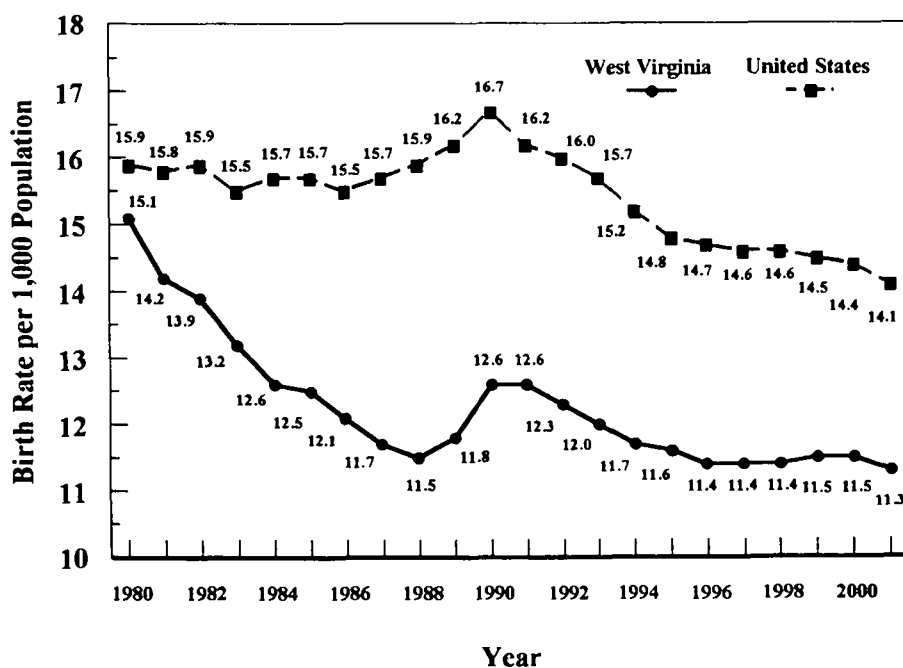
Population

For the fifth year in a row, more state residents died than were born. In 2001, 548 West Virginians were lost to the total population as a result of natural decrease, the excess of deaths over births. The rate of natural decrease was 0.3 persons per 1,000 population. Results from the 2001 Census estimate show an overall decrease (approximately 0.4%) in the state's population since 2000, from 1,808,344 to 1,801,916. This decrease is the result of an overall natural decrease and an excess of outmigration over immigration during that span.

Live Births

West Virginia resident live births decreased by 430, from 20,860 in 2000 to 20,430 in 2001. The 2001 birth rate of 11.3 per 1,000 population also dropped from 11.5 in 2000. The U.S. 2001 birth rate was 14.1 live births per 1,000 population, lower than 2000 (14.4). As the graph below shows, West Virginia's birth rate has been below the national rate since 1980. It has continued its overall decline, interrupted by slight upturns in 1989 through 1991 and 1999.

**West Virginia and United States Birth Rates
1980-2001**



The 2001 U.S. fertility rate of 65.4 live births per 1,000 women aged 15-44 was 0.8% lower than the 2000 rate (65.9). West Virginia's fertility rate decreased even more (2.2%) from 55.8 in 2000 to 54.6 in 2001. 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, 2001					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
43.3	45.4	56.3	68.9	54.6	65.4

* All fertility rates were calculated using 2000 population, U.S. Department of Commerce, Bureau of the Census.

**National Center for Health Statistics, *National Vital Statistics Report*, Vol. 51, No.2, December 18, 2002.

The fertility rate among women aged 15-19 in West Virginia was 4.6% lower than that among young women in the U.S. (43.3 vs. 45.4). The fertility rate among women aged 20-44, however, was 18.3% lower in the state than in the nation (56.3 vs. 68.9).

The number of births to teenage mothers decreased by 189 (6.6%), from 2,858 in 2000 to 2,669 in 2001. The percentage of total births represented by teenage births decreased from 13.6% in 2000 to 13.1% in 2001. 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 (11.3% in 2001).

The percentage of births occurring out of wedlock rose from 2000, and once again, nearly one out of every three (32.4%) 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 2001 were 30.9% and 77.1%, respectively, compared to 30.0% and 75.6% in 2000. In the United States in 2001, 27.7% of white births and 68.4% of births to black mothers occurred out of wedlock. The percentage of teenage births to unmarried teenage mothers in the state increased from 68.6% in 2000 to 71.5% in 2001.

There were a total of 1,804 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2001, 8.8% of all births. Of the 1,802 low birthweight infants with known gestational age, 1,235 or 68.5% were preterm babies born before 37 weeks of gestation. (Of all 2001 resident births with a known gestational age, 11.2% were preterm babies.) Of the births with known birthweight, 11.7% of babies born to black mothers and 8.7% of babies born to white mothers were low birthweight. Nationally, 7.7% of all infants weighed less than

2,500 grams at birth in 2001; 6.7% of white infants and 12.9% of black infants were of low birthweight.

Over eighty-six percent (86.5%) of West Virginia mothers with known prenatal care began their care during the first trimester of pregnancy, compared to 83.4% of mothers nationwide in 2001. Among those with known prenatal care, 86.9% of the white mothers began care during the first trimester; 76.3% of black mothers did so. (U.S. figures show 85.2% of white mothers and 74.5% of black mothers.) No prenatal care was received by 0.5% of white mothers and by 0.9% of black mothers.

Over one-fourth (26.5%) of the 20,430 births in 2001 were to mothers who smoked during their pregnancies, while 0.4% of births were to women who used alcohol. National figures show that 11.9% of women giving birth reported smoking during pregnancy and 0.9% used alcohol. Over one-fourth (26.7%) of 2001 state births were delivered by Cesarean section, compared to a national rate of 24.3%. One or more complications of labor and/or delivery were reported for 31.6% of deliveries in the state in 2001.

Deaths

Effective in 1999, the National Center for Health Statistics (NCHS) and World Health Organization (WHO) adopted the 10th revision to the International Classification of Diseases - now known as ICD-10. This is the first revision since 1979 and includes a more comprehensive classification of causes of death. Previously, all causes of death were coded numerically. Now all causes of death are coded alpha-numerically, allowing many more possible causes (Table 42, pages 95-121). When comparing 1999 deaths to earlier years, differences between ICD-9 coding and ICD-10 coding must be taken into account. Appendix B contains a more detailed explanation of ICD-10, as well as the new selected causes of death listing.

The number of West Virginia resident deaths decreased from 21,127 in 2000 to 20,978 in 2001. The state's crude death rate also dropped from 11.7 per 1,000 population in 2000 to 11.6. The average age at death for West Virginians was 73.1 (69.3 for men and 76.6 for women). One hundred and fifty-one West Virginia residents who died in 2001 were age 100 or older. The oldest man was 115 years old at the time of death, while the oldest woman was 111 years old.

Heart disease, cancer, and chronic lower respiratory diseases, the three leading causes of death, accounted for 58.5% of West Virginia resident deaths in 2001. Compared to 2000, the number of state deaths due to heart disease decreased 3.5% while cancer deaths decreased 1.3%. Deaths due to chronic lower respiratory diseases, which surpassed stroke deaths for the second year in a row, also decreased 4.7%, while stroke mortality decreased only by nine (0.7%). Diabetes mellitus deaths increased 6.9%, while the number of reported deaths due to pneumonia and influenza increased substantially (26.4%) from 2000 to 2001. Mortality resulting from accidents only increased by one, from 839 in 2000 to 840 in 2001. Motor vehicle accident deaths continued to number fewer than the 435 deaths in 1993, the year the West Virginia seatbelt law took effect; they decreased by 18 (4.7%) from 386 in 2000 to 368 in 2001. There were 127 accidental poisoning deaths in 2001, an increase

from 58 in 2000 and 42 in 1999.

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 29.1% of all deaths for this age group in 2001, compared with 30.9% in 2000. West Virginia's 2001 motor vehicle fatalities included eight children under five years of age, compared to five in 2000.

Suicides increased by 44 (246 to 290, or 17.9%) between 2000 and 2001. Male suicides increased 24.4 %, from 197 in 2000 to 245 in 2001; the number of female suicides (45) decreased by 4 or 8.2% from 2000. Seventy-one percent (71.4%) of all suicide deaths were firearm related — 74.3% of male suicides and 55.6% of female suicides. The average age of death for a suicide victim in 2001 was 50.1 years. While suicide was the 12th 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 dropped by 10, from 18 in 2000 to 8 in 2001.

Homicides in West Virginia decreased by 13, from 80 in 2000 to 67 in 2001. Thirty-nine (39) of the homicide victims were male, 28 were female. The average age at death for a homicide victim in 2001 was 42.1 years. There were two homicide victims under the age of five in 2001, compared to three in 2000. Over half (52.2%) of 2001 homicide deaths were due to firearms.

Years of Potential Life Lost (YPLL)

YPLL is a measure of mortality, calculated as the difference between either age 65 (an average productive, or working, life) or 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.

In our previous reports, data for YPLL before age 65 were presented and have been included in the present report for readers wishing to compare 2001 to past years. However, the U.S. Office of Disease Prevention and Health Promotion uses age 75 in its calculations. For comparability purposes, the Health Statistics Center has adopted that measure. For that reason, YPLL before age 75 is also included in this report and will be the only measure presented in future reports.

YPLL Before Age 65.

The YPLL from all causes decreased 0.9%, from 82,910 YPLL in 2000 to 82,124 in 2001. The three leading causes of YPLL in 2001 were malignant neoplasms (14,279 YPLL), diseases of the heart (11,821 YPLL), and motor vehicle accidents (9,628 YPLL). Combined, these three causes accounted for 43.5% of all years of potential life lost before age 65 in 2001. In comparison to 2000, YPLL attributable to malignant neoplasms decreased from 18.3% of the total to 17.4%. YPLL due to diseases of the heart also decreased from 14.6% to 14.4%, as did the percentage of total YPLL due to motor vehicle crashes, from 12.8% to 11.7%.

YPLL Before Age 75.

Using this method, the YPLL from all causes decreased 0.7%, from 153,288 YPLL in 2000 to 152,199 in 2001. The three leading causes of YPLL in 2001 were once again malignant neoplasms (34,720 YPLL), diseases of the heart (27,788 YPLL), and motor vehicle accidents (12,779 YPLL). Combined, these three causes accounted for almost half (49.5%) of all years of potential life lost in 2001. In comparison to 2000, YPLL attributable to malignant neoplasms decreased from 23.2% of the total to 22.8%. YPLL due to diseases of the heart also decreased from 19.0% to 18.3%, as did the percentage of total YPLL due to motor vehicle crashes, from 9.0% to 8.4%.

Infant Deaths

Deaths of infants under one year of age decreased by 10, from 159 in 2000 to 149 in 2001. West Virginia's infant mortality rate also declined, from 7.6 per 1,000 live births in 2000 to 7.3. The U.S. provisional 2001 infant mortality rate was 6.9, same as 2000.

The table below shows the decline in the national and state infant mortality rates from 1950 through 2001.

1950 - 2001 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

The state's 2001 white infant mortality rate decreased 2.7%, from 7.4 in 2000 to 7.2, while the rate for black infants also decreased 19.6%, from 14.3 to 11.5 (see statistical variation in Methodology on page 9). West Virginia's 2001 race-specific infant mortality rates and comparable 2000 U.S. rates are shown in the table below:

**2001 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	149	7.3	27,801	6.9
White	141	7.2	18,094	5.7
Black	8	11.5	8,563	14.1
Other	0	0.0	1,144	5.0

Approximately one in eight (12.1%) infant deaths in 2001 was due to SIDS (sudden infant death syndrome). Twenty percent (20.1%) were the result of congenital malformations, while 59.1% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (17.4%).

Neonatal/Postneonatal Deaths

The number of neonatal deaths increased by seven, from 103 in 2000 to 110 in 2001; the neonatal death rate also increased from 4.9 deaths among infants under 28 days per 1,000 live births in 2000 to 5.4 in 2001. Neonatal deaths comprised 73.8% of all West Virginia resident infant deaths in 2001, compared to 64.8% in 2000. The rate of postneonatal deaths decreased from 2.7 deaths per 1,000 neonatal survivors in 2000 to 1.9 in 2001. The 2001 U.S. neonatal death rate was 4.6, while the postneonatal rate was 2.3 deaths per 1,000 neonatal survivors.

Fetal Deaths

The 153 resident fetal deaths occurring after 20 or more weeks of gestation reported in 2001 were 11 more than 2000 (142). The fetal death ratio also increased from 6.8 deaths per 1,000 live births in 2000 to 7.5 in 2001. The majority (85.0%) of fetal deaths were due to conditions originating in the perinatal period, including complications of placenta, cord, and membrane (37.9%), maternal conditions (0.7%), maternal complications (11.8%), short gestation and low birthweight (1.3%), and other ill-defined perinatal conditions (25.5%). Congenital malformations accounted for 9.8% of all fetal deaths.

Marriages

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 15,375 in 2000 to 14,581 in 2001. The marriage rate in 2001 was 8.1 per 1,000 population, compared to 8.5 in 2000. The 2001 U.S. provisional rate was 8.2.

For all marriages in 2001, the median age for brides was 25 and for grooms 28. For first marriages, the median age for brides was 22 and for grooms was 24. The mode (most frequently reported age) for all marriages was 22 for brides and 24 for grooms. The mode for first marriages in 2001 was 22 for brides and 23 for grooms.

Divorces and Annulments

The number of divorces increased 0.9%, from 9,336 in 2000 to 9,421 in 2001. The 2001 rate of 5.2 per 1,000 population was the same as 2000. The 2000 U.S. provisional rate was 4.0 per 1,000 population.

Of the 9,421 divorces in West Virginia in 2001, the median duration of marriage was 6.3 years. Over half (53.3%) of the divorces involved no children under 18 years of age in the family, while one child was involved in 24.0% of all divorces and two children were involved in 16.9%. Four divorces involved six or more children.

Summary

The number of West Virginia resident births decreased by 430 from 20,860 in 2000 to 20,430 in 2001. West Virginia resident deaths decreased from 21,127 in 2000 to 20,978 in 2001. The number of infant deaths decreased by 10, from 159 in 2000 to 149 in 2001. Fetal deaths of 20 or more weeks gestation increased from 142 in 2000 to 153 in 2001. Marriages decreased for the first time in three years, from 15,375 in 2000 to 14,581 in 2001, while divorces increased by 85, from 9,336 in 2000 to 9,421 in 2001.

*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 2001 and filed in the office of the West Virginia Registrar of Vital Statistics prior to December 6, 2002. 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, Lincoln County reported 126 deaths as occurring within the confines of the county. However resident deaths for the county for 2001 totaled 261. With the exception of Table 25, the mortality data presented in this report are based on county of residence, as 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.

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 and Appendix D, "NCHS Supplements," for an explanation of ICD-10.

Population

The rates given in this publication were calculated using the 2001 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 2001 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 - Deaths due to delivery or a complication of pregnancy, childbirth, or the puerperium as defined by the International Classification of Diseases.

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.

2001 West Virginia and United States Vital Statistics Review

	West Virginia		United States***	
	Number	Rate*	Number	Rate*
Live Births	20,430	11.3	4,025,933	14.1
Deaths	20,978	11.6	2,417,762	8.5
Fetal Deaths	153	**7.5	N/A	N/A
Neonatal Deaths	110	**5.4	18,491	**4.6
Infant Deaths	149	**7.3	27,801	**6.9
Marriages	14,581	8.1	2,326,000	8.2
Divorces & Annulments	9,421	5.2	N/A	N/A
Natural Increase/(Decrease)	(548)	-0.3	1,608,171	5.6
Population (2001 Estimate)	1,801,916		285,317,559	

* Rates based on 2001 Bureau of the Census population estimates.

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

*** National Center for Health Statistics. (Births) *National Vital Statistics Report*. Vol. 51, No. 2, DHHS Pub. No. (PHS) 2003-1120, December 18, 2002; (Deaths) *National Vital Statistics Report*. Vol. 51, No. 5, DHHS Pub. No. (PHS) 2003-1120, December 18, 2002; (Marriages) *Monthly Vital Statistics Report*. Vol. 50, No. 13, DHHS Pub. No. (PHS) 2002-1120, September 11, 2002.

West Virginia Bureau for Public Health
Health Statistics Center, 2003

Selected Records and Trivia

West Virginia, 2001

Natality

Oldest Father: 74

Oldest Mother: 47

Youngest Father: 14

Youngest Mother: 13

Highest Live Birth Order: 14th live delivery - 14 siblings (brothers and sisters)

Day Most Births Occurred: July 6 (90)

Day Fewest Births Occurred: December 16 (17)

Number of Live-born Twins: 560

Number of Live-born Triplets: 11

Most Popular Names for Babies

<u>Boys' Names</u>	<u>Number</u>	<u>Girls' Names</u>	<u>Number</u>
Jacob	305	Madison	219
Austin	177	Hannah	207
Hunter	168	Emily	196
Zachary	162	Alexis	176
Tyler	161	Abigail	110
Michael	158	Taylor	106
Matthew	157	Kaitlyn	97
Joshua	154	Elizabeth	94
Christopher	152	Olivia	93
James	145	Haley	92

Mortality

Oldest Male Decedent: 115

Oldest Female Decedent: 111

Number of Male Decedents 100 Yrs. & Older: 17

Number of Female Decedents 100 Yrs. & Older: 134

Day Most Deaths Occurred: February 20 (83)

Day Fewest Deaths Occurred: July 2 (35)

Marriage

Oldest Groom: 97

Oldest Bride: 89

Youngest Groom: 15

Youngest Bride: 14

Largest Age Difference with Bride Older: 33 Years

Largest Age Difference with Groom Older: 53 Years

Divorce

Oldest Male Divorcée: 93

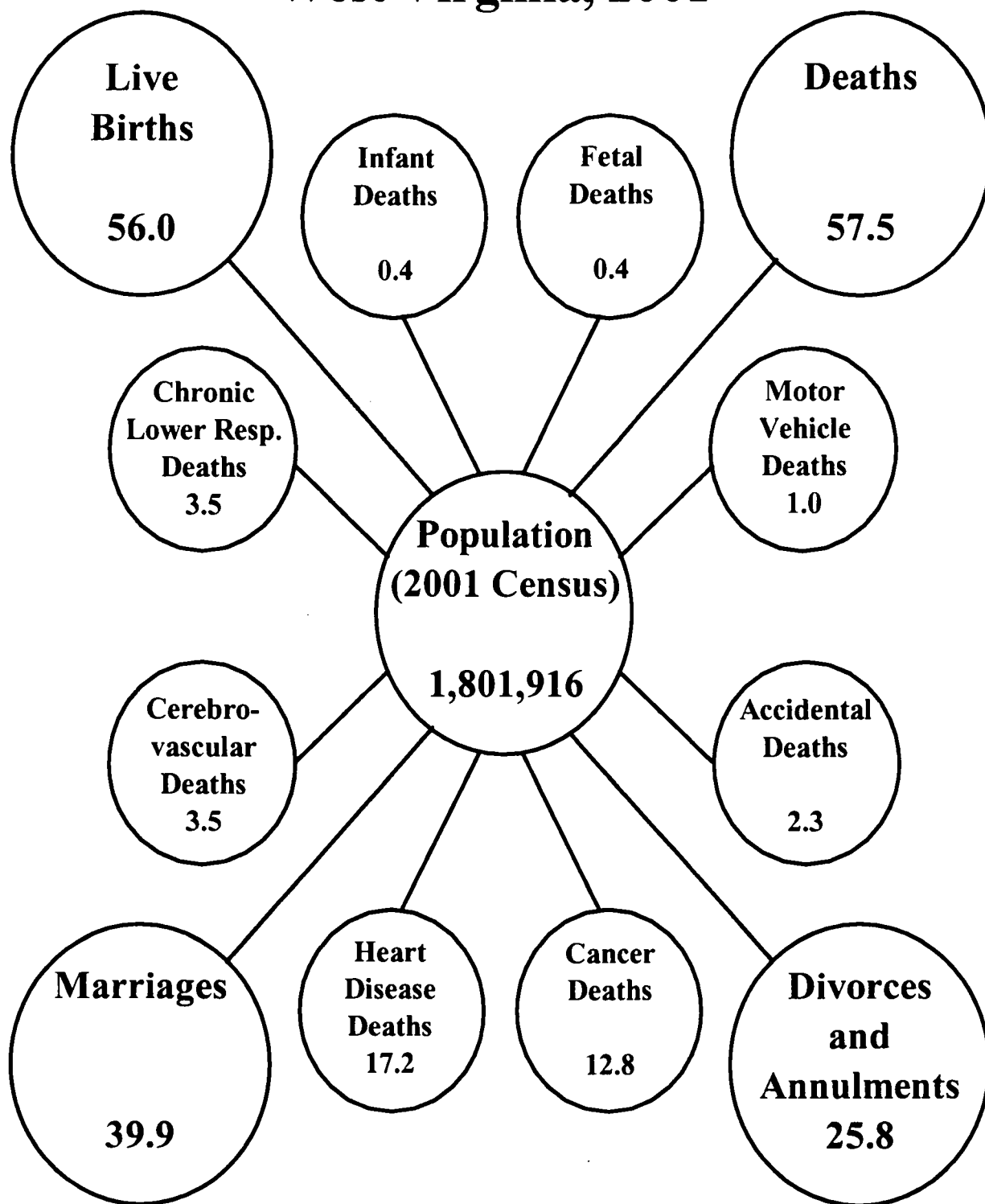
Oldest Female Divorcée: 82

Youngest Male Divorcée: 18

Youngest Female Divorcée: 15

Marriage of Longest Duration Ending in Divorce: 56 Years

Average Day Statistics West Virginia, 2001

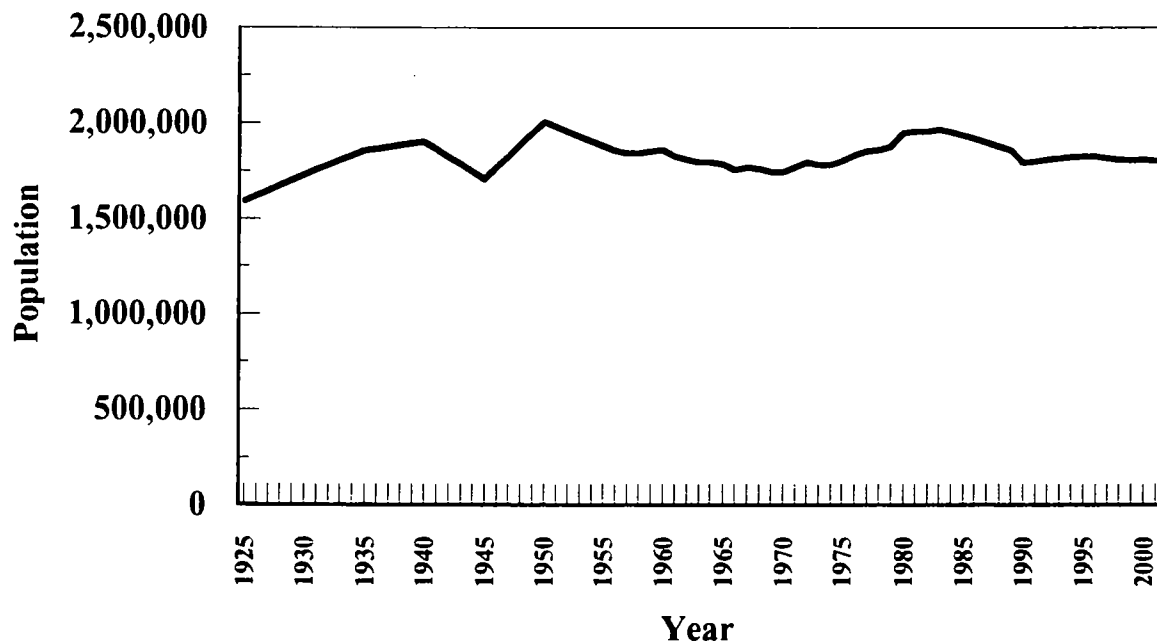


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POPULATION

West Virginia Population, 1925-2001

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

West Virginia Population, 2000 and 2001
Table 1

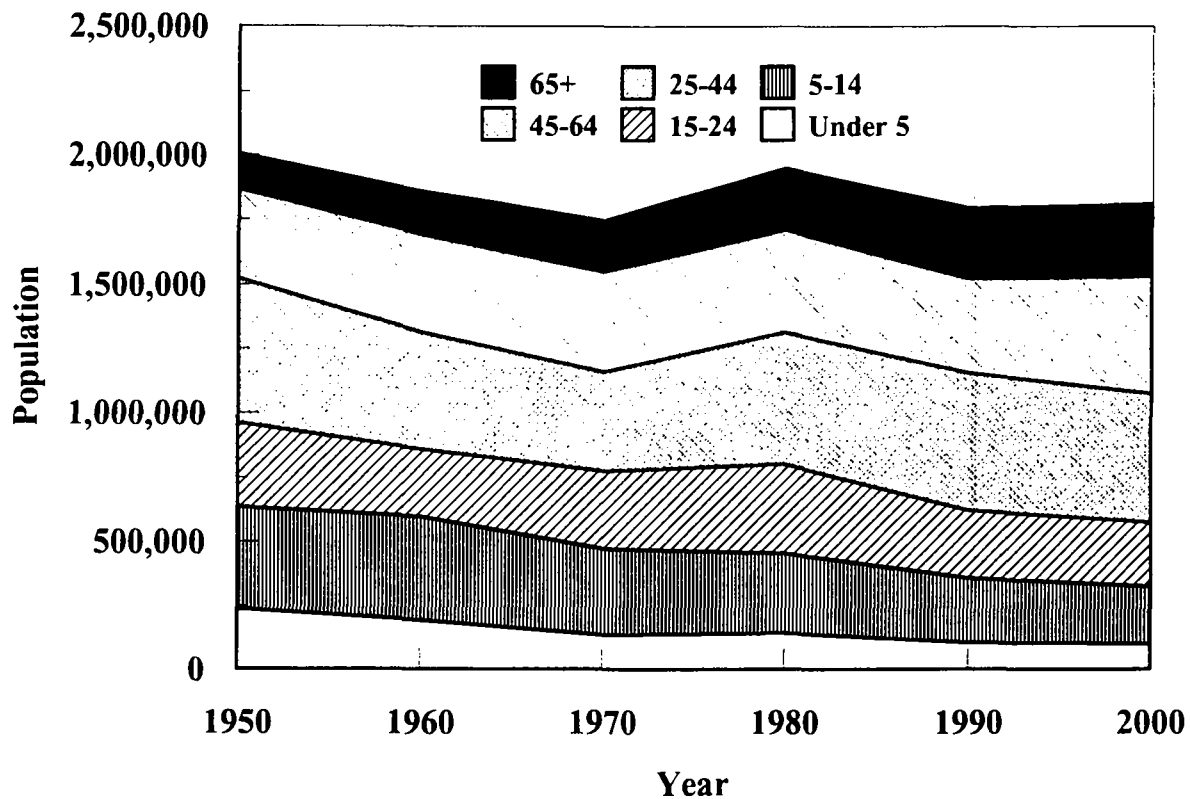
County	2000	2001*	County	2000	2001*
Barbour	15,557	15,514	Monongalia	81,866	81,820
Berkeley	75,905	79,202	Monroe	14,583	14,610
Boone	25,535	25,427	Morgan	14,943	15,275
Braxton	14,702	14,747	Nicholas	26,562	26,420
Brooke	25,447	25,117	Ohio	47,427	46,750
Cabell	96,784	95,682	Pendleton	8,196	8,070
Calhoun	7,582	7,392	Pleasants	7,514	7,589
Clay	10,330	10,324	Pocahontas	9,131	8,996
Doddridge	7,403	7,745	Preston	29,334	29,443
Fayette	47,579	47,089	Putnam	51,589	51,680
Gilmer	7,160	7,120	Raleigh	79,220	78,548
Grant	11,299	11,340	Randolph	28,262	28,231
Greenbrier	34,453	34,479	Ritchie	10,343	10,291
Hampshire	20,203	20,798	Roane	15,446	15,364
Hancock	32,667	32,258	Summers	12,999	12,796
Hardy	12,669	12,740	Taylor	16,089	16,017
Harrison	68,652	67,989	Tucker	7,321	7,214
Jackson	28,000	28,099	Tyler	9,592	9,460
Jefferson	42,190	43,545	Upshur	23,404	23,374
Kanawha	200,073	197,338	Wayne	42,903	42,665
Lewis	16,919	16,897	Webster	9,719	9,642
Lincoln	22,108	22,316	Wetzel	17,693	17,395
Logan	37,710	36,897	Wirt	5,873	5,935
McDowell	27,329	26,568	Wood	87,986	87,541
Marion	56,598	56,373	Wyoming	25,708	25,320
Marshall	35,519	35,171			
Mason	25,957	26,175			
Mercer	62,980	62,355	Total	1,808,344	1,801,916
Mineral	27,078	27,059			
Mingo	28,253	27,714			

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

West Virginia Bureau for Public Health
Health Statistics Center, 2003

Age Group Distribution West Virginia Population, 1950-2000

Exhibit 2



Age in Years	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 Bureau for Public Health
Health Statistics Center, 2003

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, 2003

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
Marion	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

**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, 2003

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
Marion	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
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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

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
Marion	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

**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

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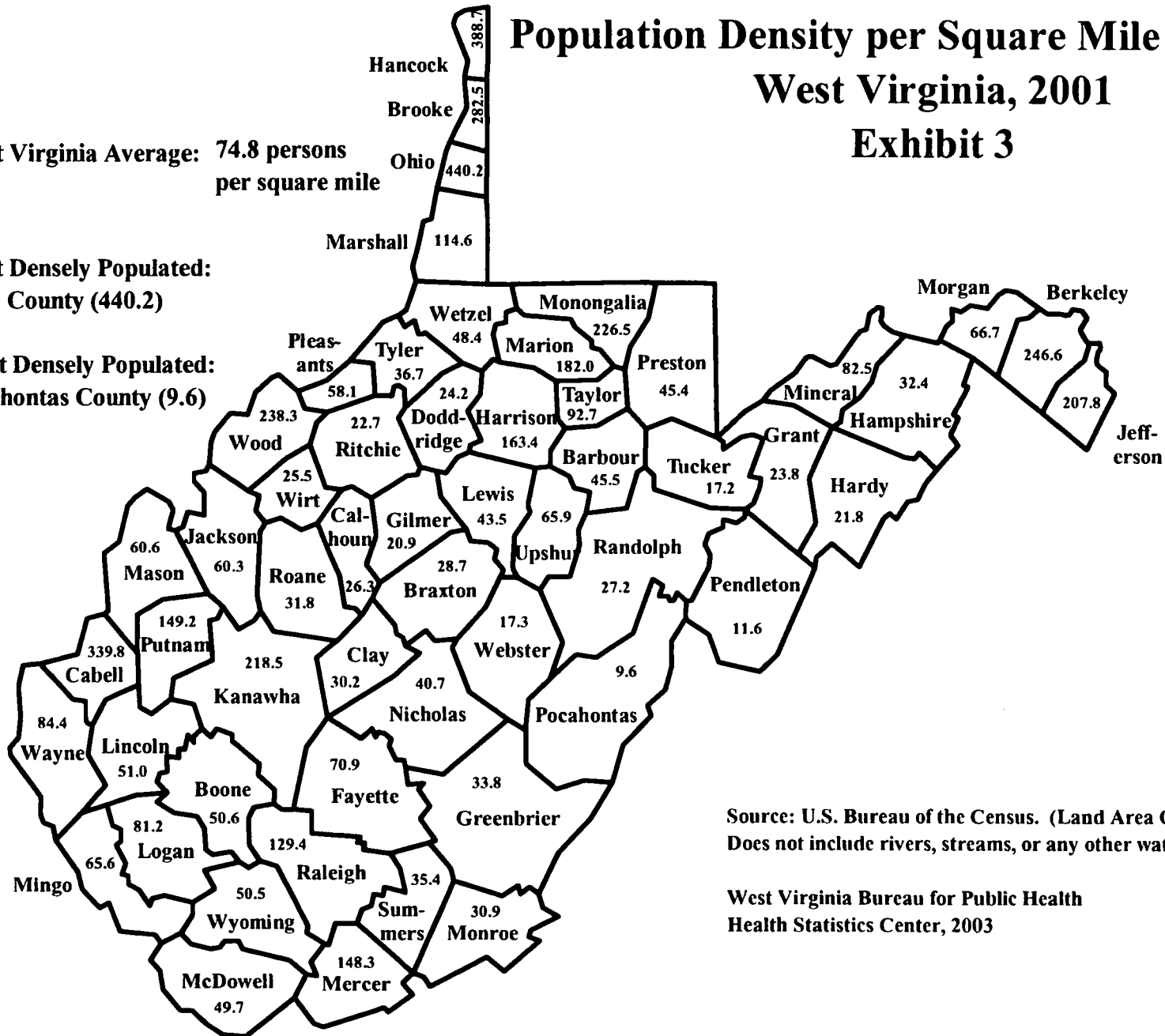
Population Density per Square Mile by County West Virginia, 2001

Exhibit 3

West Virginia Average: 74.8 persons
per square mile

Most Densely Populated:
Ohio County (440.2)

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)

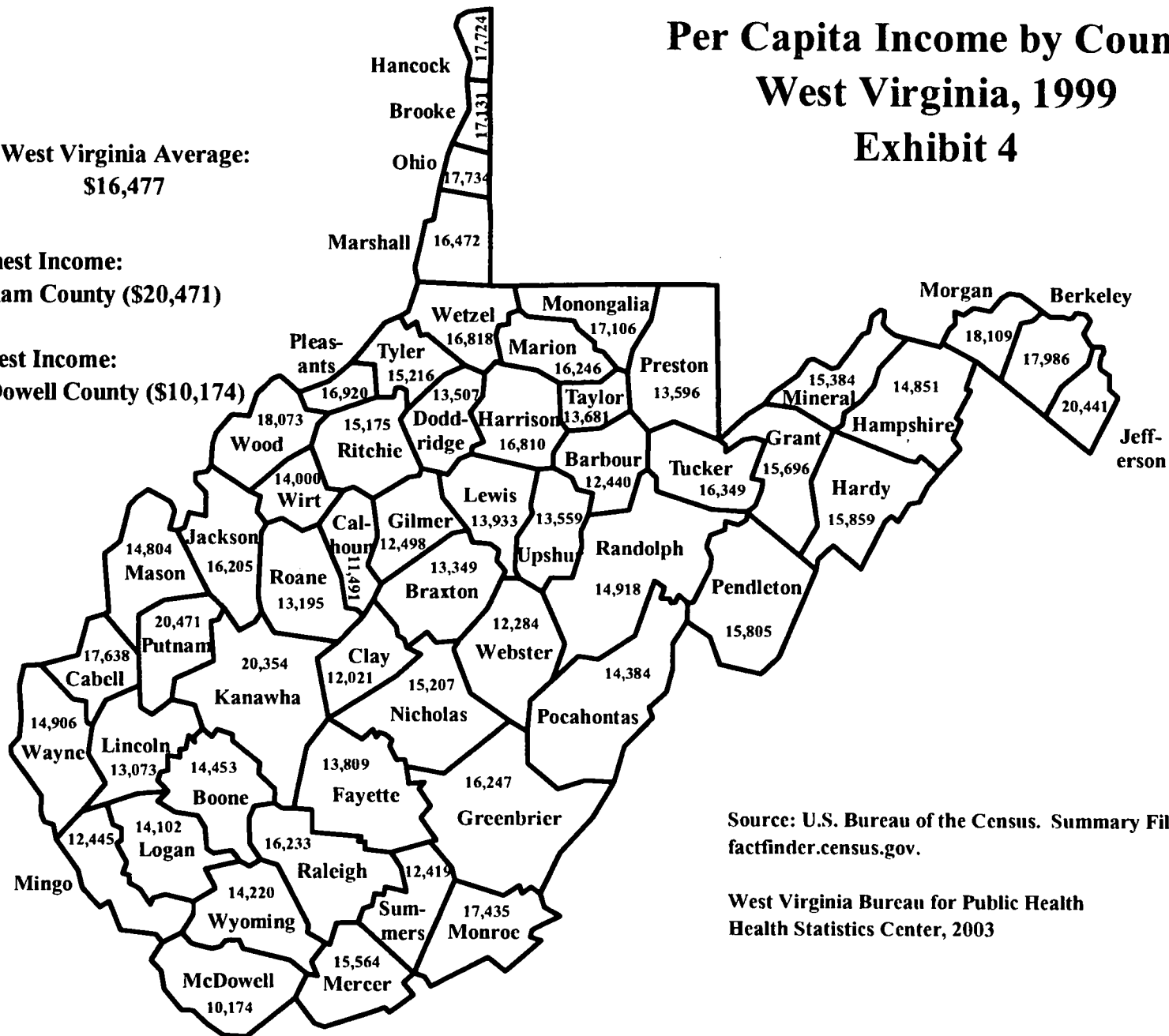
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Per Capita Income by County West Virginia, 1999 Exhibit 4

West Virginia Average:
\$16,477

Highest Income:
Putnam County (\$20,471)

Lowest Income:
McDowell County (\$10,174)



Source: U.S. Bureau of the Census. Summary File 3
factfinder.census.gov.

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**Births, Deaths, Natural Increase or Decrease, and Net Migration
West Virginia Population, 1950 - 2001
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 ^d	1,801,916	20,430	20,978	-548	-5,880	-0.36

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.

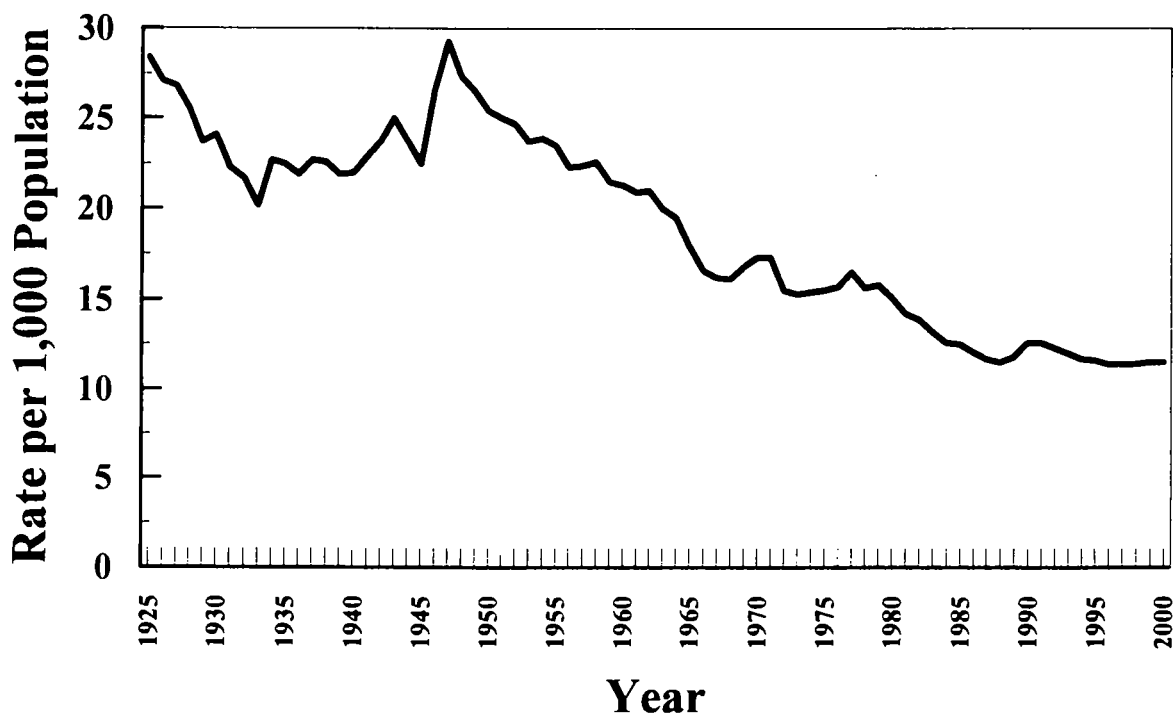
c. Source of data 1961 through 1989: U.S. Department of Commerce, Bureau of the Census, Current Population Reports. Series P-25 and P-26.

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

West Virginia Bureau for Public Health
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BIRTHS

Number and Rate of Resident Births West Virginia, 1925-2000 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

Summary Totals
West Virginia Resident Births, 2001
Table 5

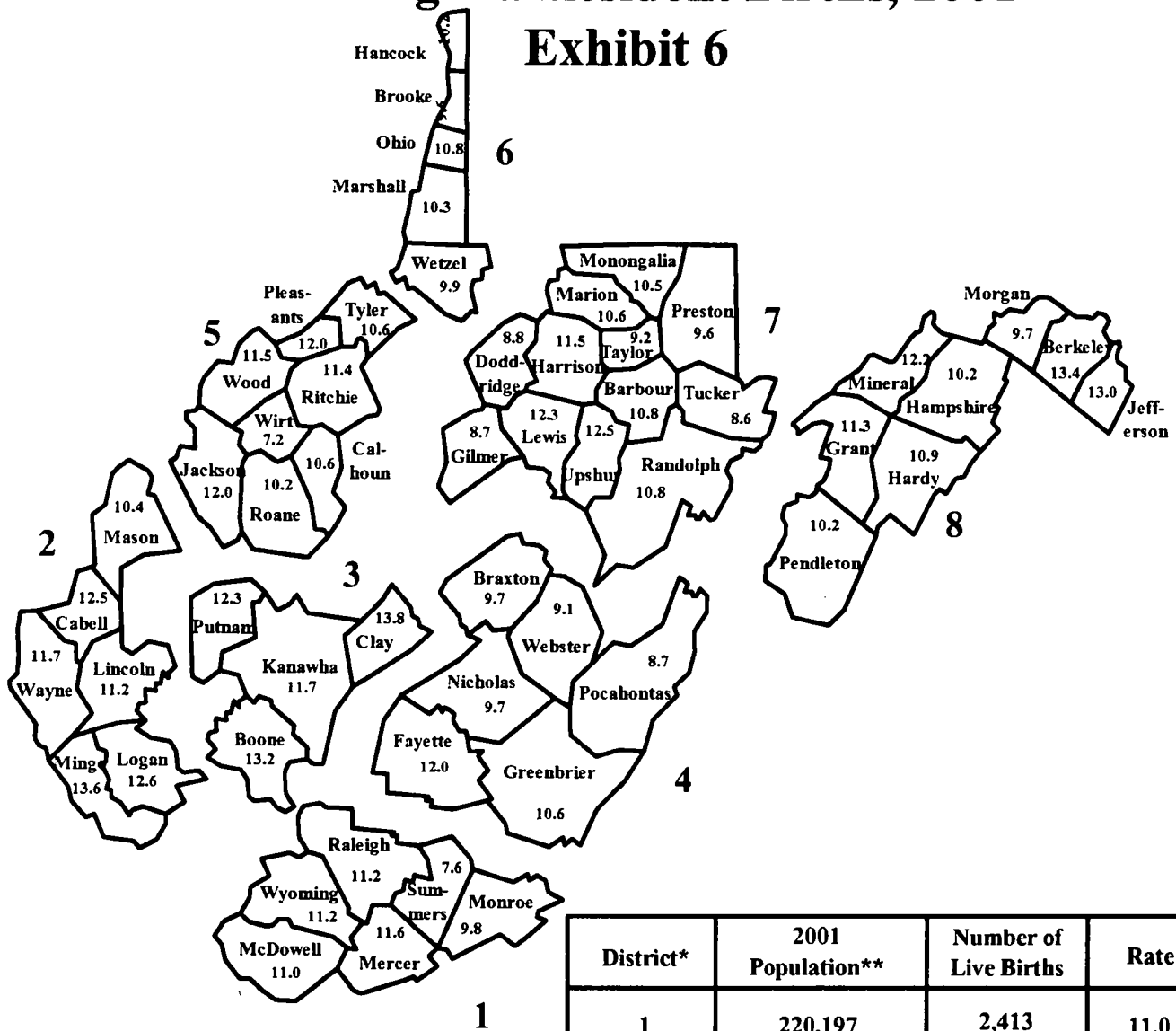
	Number	Percent
Total	20,430	100.0
<u>Sex</u>		
Male	10,466	51.2
Female	9,964	48.8
<u>Race of Mother</u>		
White	19,577	95.8
Black	698	3.4
Other	155	0.8
<u>Attendant at Birth</u>		
Physician	17,988	88.0
Certified Nurse Midwife	1,707	8.4
Lay Midwife	8	0.0
EMT/Paramedic	7	0.0
Other	49	0.2
Unknown	671	3.3
<u>Place of Birth</u>		
Hospital	20,194	98.8
Freestanding Birthing Center	54	0.3
Home	50	0.2
En route to Hospital	9	0.0
Doctor's Office	3	0.0
Other Specified Address (Not Home)	7	0.0
Clinic or Center	4	0.0
Unknown	109	0.5
<u>Mother's Marital Status</u>		
White		
Married	13,533	69.1
Not Married	6,044	30.9
Black		
Married	160	22.9
Not Married	538	77.1
Other		
Married	126	81.3
Not Married	29	18.7

West Virginia Bureau for Public Health
Health Statistics Center, 2003

Birth Rates* by District and County

West Virginia Resident Births, 2001

Exhibit 6



* Rate per 1,000 population

District*	2001 Population**	Number of Live Births	Rate
1	220,197	2,413	11.0
2	251,449	3,055	12.1
3	284,769	3,420	12.0
4	141,373	1,493	10.6
5	171,671	1,930	11.2
6	156,691	1,615	10.3
7	357,737	3,835	10.7
8	218,029	2,669	12.2
Total	1,801,916	20,430	11.3

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

**U.S. Department of Commerce, Bureau of the Census.

Number of Births by County of Residence and Occurrence
Birth Rate by County of Residence
West Virginia, 2001
Table 6

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate			Number	Rate	
Barbour	167	10.8	2	Monongalia	861	10.5	1,958
Berkeley	1,063	13.4	882	Monroe	143	9.8	2
Boone	336	13.2	0	Morgan	148	9.7	0
Braxton	143	9.7	0	Nicholas	257	9.7	254
Brooke	242	9.6	356	Ohio	506	10.8	1,431
Cabell	1,192	12.5	2,923	Pendleton	82	10.2	1
Calhoun	78	10.6	2	Pleasants	91	12.0	0
Clay	142	13.8	0	Pocahontas	78	8.7	5
Doddridge	68	8.8	0	Preston	284	9.6	115
Fayette	563	12.0	20	Putnam	637	12.3	151
Gilmer	62	8.7	2	Raleigh	876	11.2	1,664
Grant	128	11.3	274	Randolph	304	10.8	428
Greenbrier	364	10.6	392	Ritchie	117	11.4	2
Hampshire	213	10.2	1	Roane	156	10.2	116
Hancock	330	10.2	1	Summers	97	7.6	1
Hardy	139	10.9	0	Taylor	148	9.2	1
Harrison	784	11.5	846	Tucker	62	8.6	1
Jackson	336	12.0	112	Tyler	100	10.6	0
Jefferson	566	13.0	214	Upshur	292	12.5	406
Kanawha	2,305	11.7	3,953	Wayne	498	11.7	1
Lewis	207	12.3	245	Webster	88	9.1	0
Lincoln	251	11.2	3	Wetzel	173	9.9	111
Logan	464	12.6	375	Wirt	43	7.2	1
McDowell	291	11.0	96	Wood	1,009	11.5	1,583
Marion	596	10.6	488	Wyoming	283	11.2	0
Marshall	364	10.3	148				
Mason	273	10.4	180				
Mercer	723	11.6	1,137				
Mineral	330	12.2	0				
Mingo	377	13.6	117				
				Total	20,430	11.3	21,001

West Virginia Bureau for Public Health
Health Statistics Center, 2003

**Number of Births by County of Residence
West Virginia, 1997-2001
Table 7**

County	1997	1998	1999	2000	2001	County	1997	1998	1999	2000	2001
Barbour	160	159	184	140	167	Monongalia	796	846	828	859	861
Berkeley	966	954	1,006	1,077	1,063	Monroe	135	122	134	132	143
Boone	357	281	308	370	336	Morgan	151	152	150	146	148
Braxton	155	160	158	156	143	Nicholas	257	277	266	285	257
Brooke	251	252	242	263	242	Ohio	534	541	517	477	506
Cabell	1,106	1,175	1,133	1,192	1,192	Pendleton	82	88	86	76	82
Calhoun	79	75	79	81	78	Pleasants	73	82	97	81	91
Clay	112	137	138	115	142	Pocahontas	84	95	96	80	78
Doddridge	76	77	91	69	68	Preston	302	308	304	278	284
Fayette	563	581	566	573	563	Putnam	585	587	622	585	637
Gilmer	76	72	80	52	62	Raleigh	889	880	868	878	876
Grant	130	155	130	149	128	Randolph	314	289	346	323	304
Greenbrier	388	393	381	384	364	Ritchie	94	117	79	112	117
Hampshire	241	202	253	231	213	Roane	153	169	172	173	156
Hancock	326	320	347	342	330	Summers	133	107	100	135	97
Hardy	129	160	145	149	139	Taylor	167	158	164	159	148
Harrison	809	813	838	781	784	Tucker	62	72	77	66	62
Jackson	324	318	302	367	336	Tyler	94	77	113	97	100
Jefferson	471	516	540	588	566	Upshur	258	243	256	248	292
Kanawha	2,476	2,455	2,487	2,407	2,305	Wayne	471	491	529	495	498
Lewis	197	196	179	192	207	Webster	91	87	92	106	88
Lincoln	307	267	264	272	251	Wetzel	209	240	193	205	173
Logan	480	449	443	504	464	Wirt	64	78	62	56	43
McDowell	344	346	338	316	291	Wood	1,023	1,065	970	1,035	1,009
Marion	650	608	589	597	596	Wyoming	320	296	291	273	283
Marshall	369	353	347	367	364						
Mason	284	287	312	308	273						
Mercer	833	804	742	788	723						
Mineral	296	302	294	309	330						
Mingo	439	395	403	361	377						
						Total	20,735	20,729	20,731	20,860	20,430

Birthweight by Age of Mother
West Virginia Resident Births, 2001
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.)	0	12	18	54	43	22	12	0	0	1	162
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	0	4	16	51	36	40	17	5	0	1	170
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	19	35	98	82	46	32	4	1	2	319
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	2	59	106	381	281	200	91	24	1	8	1,153
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	8	165	414	1,254	886	531	215	41	6	32	3,552
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	10	321	762	2,567	2,190	1,193	501	110	1	49	7,704
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	5	158	409	1,694	1,681	1,096	398	61	3	44	5,549
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	2	30	98	435	463	341	120	26	0	8	1,523
4,500 or more Grams (9.921 or more lbs.)	0	4	8	77	101	53	17	7	0	3	270
Unknown	1	2	1	3	9	5	4	3	0	0	28
Total	28	774	1,867	6,614	5,772	3,527	1,407	281	12	148	20,430

West Virginia Bureau for Public Health
Health Statistics Center, 2003

**Selected Factors by Birthweight of Infant
West Virginia Resident Births, 2001
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	332	1.6	1,472	7.2	18,598	91.0	28	0.1	20,430	100.0
Maternal Age										
< 20 Years	50	1.9	221	8.3	2,394	89.7	4	0.1	2,669	100.0
< 15 Years	0	0.0	2	7.1	25	89.3	1	3.6	28	100.0
Maternal Race										
White	311	1.6	1,399	7.1	17,839	91.1	28	0.1	19,577	100.0
Black	20	2.9	62	8.9	616	88.3	0	0.0	698	100.0
Other	1	0.6	11	7.1	143	92.3	0	0.0	155	100.0
Births with Known Prenatal Care										
First Trimester	216	1.3	1,134	6.7	15,601	92.0	12	0.1	16,963	100.0
Second Trimester	40	1.8	169	7.5	2,048	90.7	0	0.0	2,257	100.0
Third Trimester	2	0.7	26	8.8	268	90.5	0	0.0	296	100.0
No Prenatal Care	9	8.6	21	20.0	75	71.4	0	0.0	105	100.0
Gestational Age										
< 37 Weeks	295	12.9	940	41.2	1,046	45.8	3	0.1	2,284	100.0
37+ Weeks	37	0.2	530	2.9	17,537	96.8	12	0.1	18,116	100.0
Unknown	0	0.0	2	6.7	15	50.0	13	43.3	30	100.0
Mother's Educational Level										
8 Years or Less	6	1.3	57	11.9	414	86.6	1	0.2	478	100.0
9-11 Years	61	1.8	316	9.4	2,995	88.7	3	0.1	3,375	100.0
12 Years	128	1.6	608	7.4	7,511	91.0	4	0.0	8,251	100.0
13-15 Years	70	1.6	273	6.1	4,164	92.3	3	0.1	4,510	100.0
16+ Years	59	1.6	202	5.5	3,396	92.8	2	0.1	3,659	100.0
Unknown	8	5.1	16	10.2	118	75.2	15	9.6	157	100.0
Mother's Marital Status										
Married	218	1.6	900	6.5	12,683	91.8	18	0.1	13,819	100.0
Not Married	114	1.7	572	8.7	5,915	89.5	10	0.2	6,611	100.0

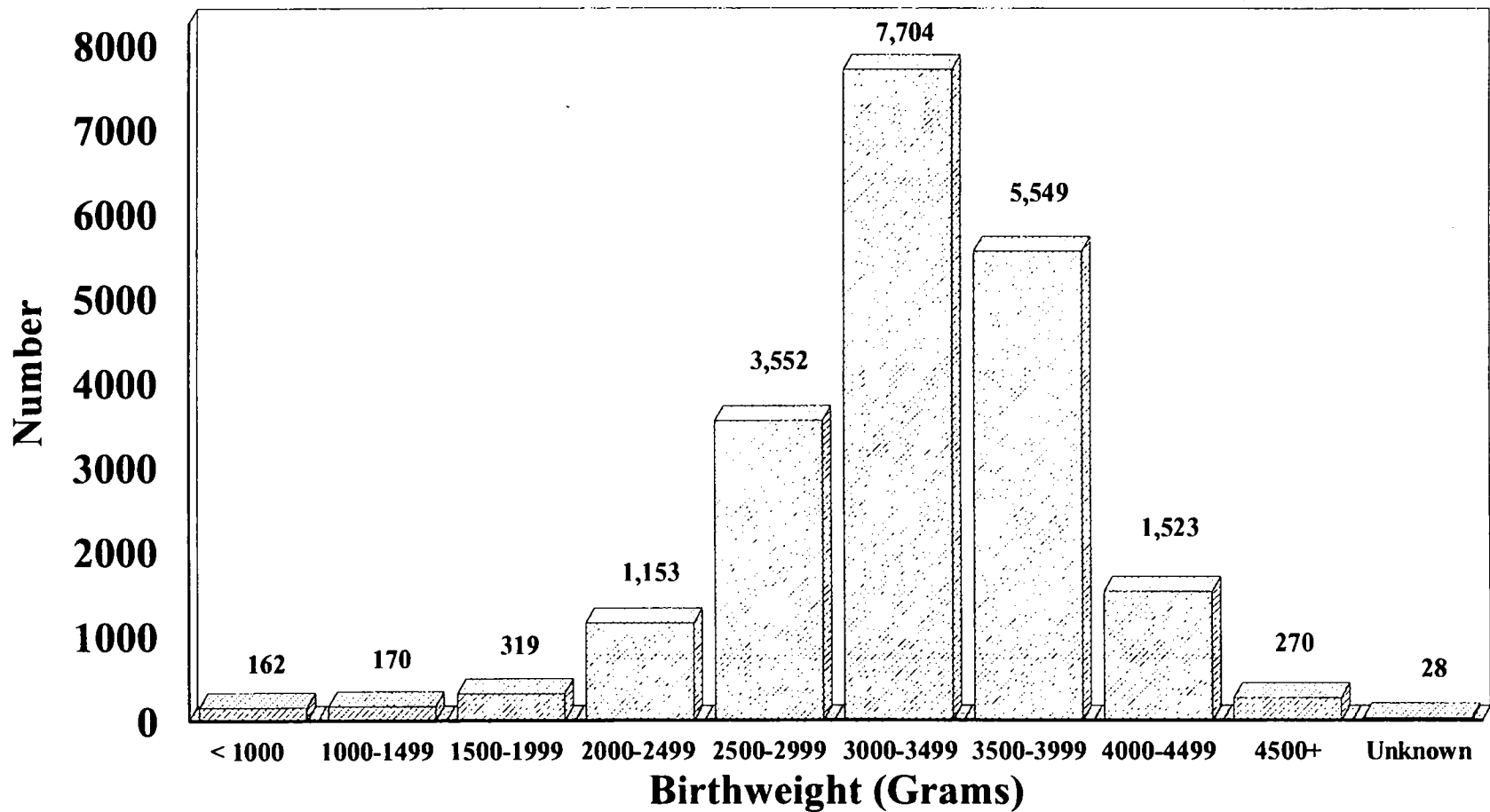
**Number and Percent of Low Birthweight (LBW) Births
By County of Residence
West Virginia, 2001
Table 10**

County	Number of Births	Low Birth- Weight	Percent LBW	County	Number of Births	Low Birth- Weight	Percent LBW
Barbour	167	13	7.8	Monongalia	861	59	6.9
Berkeley	1,063	84	7.9	Monroe	143	14	9.8
Boone	336	30	8.9	Morgan	148	13	8.8
Braxton	143	11	7.7	Nicholas	257	19	7.4
Brooke	242	32	13.2	Ohio	506	47	9.3
Cabell	1,192	111	9.3	Pendleton	82	3	3.7
Calhoun	78	6	7.7	Pleasants	91	9	9.9
Clay	142	3	2.1	Pocahontas	78	3	3.8
Doddridge	68	8	11.8	Preston	284	36	12.7
Fayette	563	63	11.2	Putnam	637	45	7.1
Gilmer	62	3	4.8	Raleigh	876	77	8.8
Grant	128	8	6.2	Randolph	304	27	8.9
Greenbrier	364	30	8.2	Ritchie	117	13	11.1
Hampshire	213	9	4.2	Roane	156	13	8.3
Hancock	330	67	20.3	Summers	97	10	10.3
Hardy	139	14	10.1	Taylor	148	13	8.8
Harrison	784	82	10.5	Tucker	62	3	4.8
Jackson	336	20	6.0	Tyler	100	9	9.0
Jefferson	566	49	8.7	Upshur	292	28	9.6
Kanawha	2,305	216	9.4	Wayne	498	49	9.8
Lewis	207	12	5.8	Webster	88	6	6.8
Lincoln	251	29	11.6	Wetzel	173	13	7.5
Logan	464	35	7.5	Wirt	43	6	14.0
McDowell	291	25	8.6	Wood	1,009	74	7.3
Marion	596	49	8.2	Wyoming	283	20	7.1
Marshall	364	30	8.2				
Mason	273	20	7.3				
Mercer	723	67	9.3				
Mineral	330	28	8.5				
Mingo	377	41	10.9				
				Total	20,430	1,804	8.8

Birthweight in Grams

West Virginia Resident Births, 2001

Exhibit 7

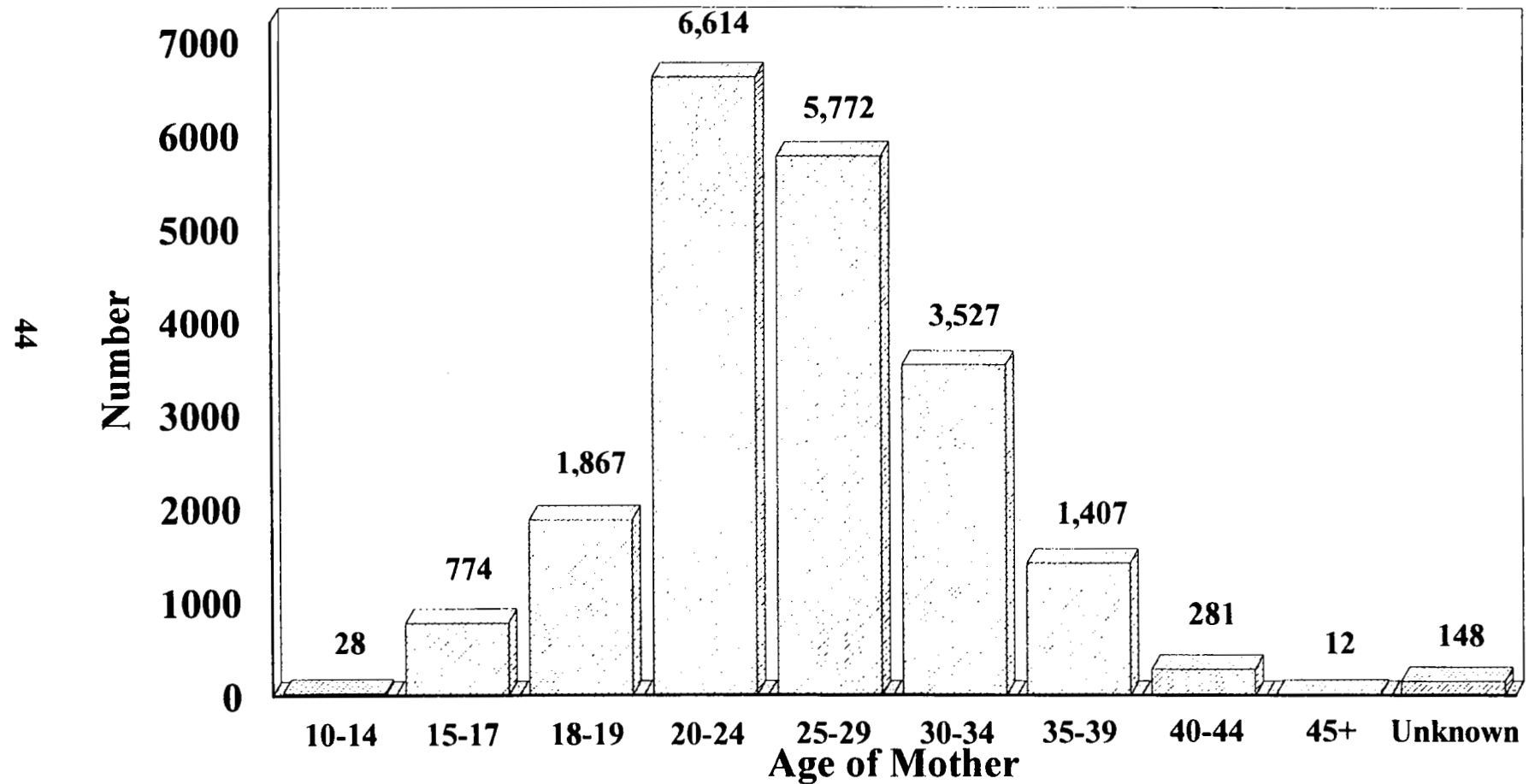


West Virginia Bureau for Public Health
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Age of Mother

West Virginia Resident Births, 2001

Exhibit 8



West Virginia Bureau for Public Health
Health Statistics Center, 2003

Age of Mother by County
West Virginia Resident Births, 2001
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	6	12	54	56	26	8	5	0	0	167
Berkeley	2	48	122	319	293	175	78	25	0	1	1,063
Boone	1	10	37	127	108	33	14	3	2	1	336
Braxton	1	6	13	52	40	28	3	0	0	0	143
Brooke	0	10	8	77	71	52	21	3	0	0	242
Cabell	1	47	112	346	336	238	87	16	0	9	1,192
Calhoun	0	3	10	27	27	7	2	2	0	0	78
Clay	0	5	13	62	36	21	5	0	0	0	142
Doddridge	1	5	2	27	18	10	4	1	0	0	68
Fayette	0	15	42	221	180	61	39	4	1	0	563
Gilmer	0	1	6	26	15	5	9	0	0	0	62
Grant	0	3	12	51	42	14	6	0	0	0	128
Greenbrier	0	6	37	122	99	58	32	9	1	0	364
Hampshire	0	14	29	68	49	31	20	2	0	0	213
Hancock	0	9	21	98	97	71	30	3	1	0	330
Hardy	0	3	12	47	38	28	7	4	0	0	139
Harrison	1	33	79	237	233	133	55	13	0	0	784
Jackson	2	14	27	102	109	60	20	2	0	0	336
Jefferson	2	19	49	143	153	113	73	14	0	0	566
Kanawha	4	85	187	726	638	449	181	32	3	0	2,305
Lewis	1	5	22	69	57	36	14	3	0	0	207
Lincoln	0	13	22	88	80	32	16	0	0	0	251
Logan	0	18	43	173	136	74	12	5	1	2	464
McDowell	1	22	47	122	54	26	13	6	0	0	291
Marion	0	15	55	165	189	127	30	15	0	0	596
Marshall	0	14	30	113	107	66	27	7	0	0	364
Mason	1	11	28	95	80	41	14	3	0	0	273
Mercer	2	43	69	279	190	102	33	4	1	0	723
Mineral	1	11	28	129	82	58	18	3	0	0	330
Mingo	2	15	48	96	59	35	8	2	0	112	377
Monongalia	0	20	56	205	241	242	80	17	0	0	861
Monroe	0	2	22	40	45	24	9	1	0	0	143
Morgan	0	9	13	52	42	18	11	3	0	0	148
Nicholas	0	10	23	103	77	26	15	3	0	0	257
Ohio	0	21	29	128	152	115	50	11	0	0	506
Pendleton	0	3	2	30	29	16	1	1	0	0	82
Pleasants	0	3	6	27	24	21	9	1	0	0	91
Pocahontas	0	1	6	31	20	15	5	0	0	0	78
Preston	1	8	24	90	86	57	16	2	0	0	284
Putnam	0	12	35	157	199	147	77	9	1	0	637
Raleigh	1	37	99	314	255	117	38	15	0	0	876
Randolph	1	14	31	103	81	50	22	2	0	0	304
Ritchie	0	7	12	38	30	21	9	0	0	0	117
Roane	0	7	10	68	40	16	12	3	0	0	156
Summers	0	5	7	36	32	10	2	5	0	0	97
Taylor	0	3	13	48	53	19	10	1	0	1	148
Tucker	0	4	5	15	15	19	4	0	0	0	62
Tyler	0	7	8	37	25	16	7	0	0	0	100
Upshur	0	10	33	99	81	46	20	2	0	1	292
Wayne	1	18	48	181	135	72	19	2	1	21	498
Webster	1	0	11	40	23	4	9	0	0	0	88
Wetzel	0	7	17	59	49	25	12	4	0	0	173
Wirt	0	1	7	15	11	5	4	0	0	0	43
Wood	0	40	100	334	272	185	67	11	0	0	1,009
Wyoming	0	16	28	103	83	31	20	2	0	0	283
Total	28	774	1,867	6,614	5,772	3,527	1,407	281	12	148	20,430

Fertility Rates* by Age of Mother by County
West Virginia Resident Births, 1997-2001**
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	0.4	26.0	61.5	42.2	115.9	104.3	45.5	13.1	4.4	0.3	50.6
Berkeley	0.8	33.8	116.3	65.0	136.9	109.9	58.3	21.4	4.6	0.0	61.0
Boone	1.3	26.2	142.3	67.1	151.9	105.3	39.3	14.3	2.3	0.4	61.3
Braxton	0.8	23.5	117.0	55.4	156.6	92.7	48.0	15.7	4.5	0.0	55.9
Brooke	0.8	20.4	60.3	37.1	86.7	104.3	72.9	21.6	2.2	0.4	50.1
Cabell	0.7	28.9	58.4	45.3	77.0	100.4	69.2	23.5	4.4	0.1	54.1
Calhoun	0.0	20.7	118.6	50.9	153.8	125.5	38.4	12.4	4.4	0.0	53.3
Clay	0.0	29.5	107.0	55.3	170.3	100.9	42.7	11.3	1.0	0.0	59.8
Doddridge	1.6	20.8	79.6	40.6	164.8	130.3	39.7	13.7	3.8	0.0	52.2
Fayette	0.6	33.3	96.5	59.6	142.7	102.1	50.7	22.5	3.5	0.2	60.5
Gilmer	0.0	10.7	49.2	31.8	79.4	94.7	38.5	20.4	1.5	0.0	44.0
Grant	0.6	28.7	114.8	60.9	146.2	117.5	49.7	23.7	3.6	0.0	63.8
Greenbrier	0.0	17.3	91.4	44.7	139.2	107.0	65.0	25.0	4.9	0.4	57.7
Hampshire	0.0	28.4	116.2	58.7	142.5	111.7	53.7	24.2	5.1	0.3	58.2
Hancock	0.2	15.8	80.0	38.4	116.3	104.8	68.5	19.9	2.7	0.1	52.4
Hardy	0.0	17.9	88.9	43.8	145.2	105.8	56.8	23.8	3.6	0.0	56.9
Harrison	0.2	23.2	99.4	52.8	130.0	108.3	61.0	22.3	4.2	0.2	58.0
Jackson	0.6	26.7	89.9	49.6	134.9	119.2	55.4	18.4	3.9	0.4	57.8
Jefferson	1.1	27.1	64.8	44.5	100.2	112.6	71.5	33.4	5.0	0.0	57.2
Kanawha	0.6	31.6	100.6	58.7	122.9	101.7	66.3	26.2	4.0	0.3	59.0
Lewis	0.4	20.4	107.9	54.0	160.8	105.0	54.3	18.6	2.3	0.6	58.3
Lincoln	0.3	34.1	108.6	62.7	152.0	85.4	47.1	16.0	1.8	0.2	57.8
Logan	0.2	26.6	121.7	61.9	149.6	98.7	47.4	13.6	2.7	0.1	59.0
McDowell	1.4	44.9	168.5	87.9	180.1	77.8	32.1	11.1	3.8	0.2	58.3
Marion	0.2	19.3	55.6	36.1	86.2	108.1	63.5	20.5	4.6	0.1	52.2
Marshall	0.2	17.5	85.0	41.1	132.0	108.9	54.3	19.8	4.3	0.0	53.0
Mason	0.5	22.8	103.0	54.9	144.6	100.0	54.0	15.4	2.2	0.2	55.8
Mercer	0.7	39.5	99.2	64.8	128.6	105.0	53.4	21.1	2.8	0.3	61.5
Mineral	0.6	21.5	64.6	39.3	145.0	118.0	54.7	21.2	1.7	0.4	56.8
Mingo	1.1	27.9	110.1	59.6	143.3	77.4	38.4	12.3	1.5	0.0	51.5
Monongalia	0.0	19.9	19.6	19.7	32.6	87.1	80.8	32.4	5.4	0.6	39.7
Monroe	0.0	17.7	91.9	46.9	87.8	66.6	27.9	9.7	2.7	0.0	36.8
Morgan	0.9	32.5	90.4	52.7	127.0	101.5	52.3	20.1	3.7	0.3	53.1
Nicholas	0.9	18.5	93.7	46.3	135.2	97.8	37.5	14.3	3.3	0.2	50.0
Ohio	0.7	23.0	43.4	32.9	76.1	116.8	81.8	32.4	3.8	0.1	52.9
Pendleton	0.7	21.9	78.5	41.0	136.1	110.1	61.0	18.4	3.9	0.0	55.1
Pleasants	0.0	16.3	104.3	50.6	141.2	118.6	47.6	20.8	2.0	0.0	56.9
Pocahontas	0.0	30.0	141.3	68.8	154.5	75.3	48.5	18.4	3.4	0.0	53.4
Preston	0.6	13.3	84.1	36.6	129.2	104.7	49.6	15.2	2.4	0.3	50.0
Putnam	0.1	14.6	70.2	34.5	106.1	121.4	74.2	25.5	3.6	0.5	54.3
Raleigh	0.5	27.5	100.8	55.7	128.1	98.7	50.9	17.0	3.4	0.3	55.7
Randolph	0.7	26.2	91.2	51.2	131.0	108.8	58.4	17.6	3.5	0.2	57.4
Ritchie	0.0	20.7	90.1	42.6	144.2	81.5	57.1	12.3	2.3	0.5	50.0
Roane	0.7	18.4	82.9	41.5	151.4	91.9	45.7	18.1	3.7	0.3	53.0
Summers	1.1	19.8	107.7	49.7	121.6	86.7	41.2	14.0	5.8	0.0	48.2
Taylor	0.4	8.9	85.2	35.0	121.6	108.5	46.2	12.7	3.1	0.0	49.1
Tucker	0.0	16.6	63.5	30.0	117.8	110.6	67.2	23.0	1.4	0.0	50.2
Tyler	0.0	17.2	77.1	36.1	171.9	114.0	46.1	16.0	1.0	0.0	52.9
Upshur	0.0	27.6	55.3	42.8	88.0	104.5	54.8	18.4	2.7	0.2	50.5
Wayne	0.7	26.9	86.1	49.4	144.9	91.8	47.9	13.4	1.8	0.3	54.7
Webster	0.6	20.0	94.4	47.8	147.6	79.9	34.8	11.4	0.5	0.0	48.4
Wetzel	0.3	28.6	103.1	53.8	185.0	118.9	51.0	13.9	3.8	0.0	60.6
Wirt	0.0	19.2	92.5	41.3	143.1	94.7	48.2	17.7	1.6	0.0	48.2
Wood	0.2	25.8	97.5	52.9	133.1	103.9	63.2	20.9	2.8	0.1	57.4
Wyoming	0.5	28.7	100.3	54.9	140.2	103.9	39.1	16.8	3.6	0.5	54.9
Total	0.5	25.7	81.0	48.9	113.7	102.5	58.1	21.0	3.5	0.2	55.0

* 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, 1997-2001
Table 13**

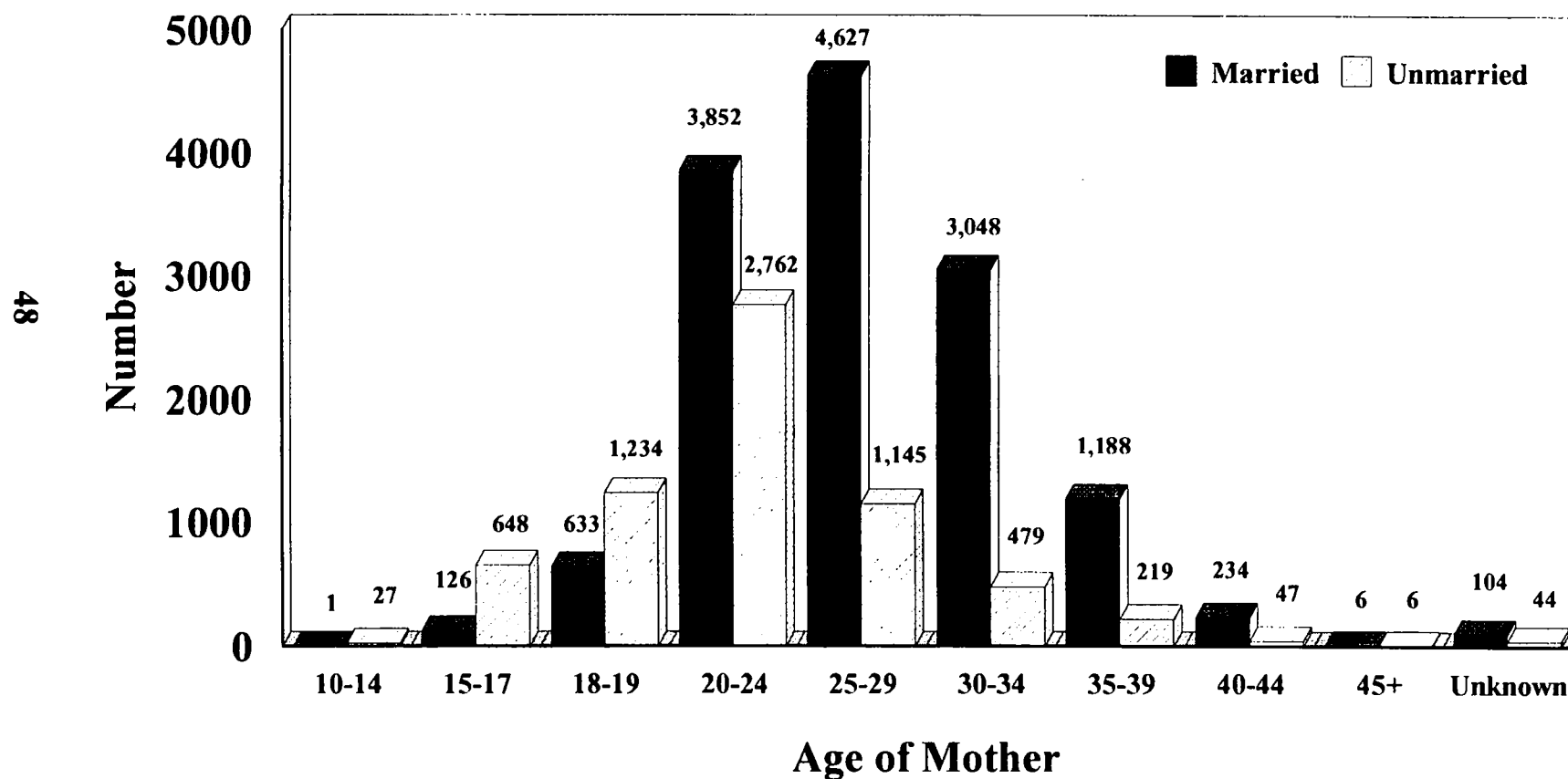
Age of Mother	1997		1998		1999		2000		2001	
	Married	Unmarried	Married	Unmarried	Married	Unmarried	Married	Unmarried	Married	Unmarried
10-14	2	25	2	33	1	22	1	28	1	27
15-17	189	888	167	823	158	731	155	658	126	648
18-19	806	1,378	764	1,431	761	1,352	741	1,275	633	1,234
20-24	4,305	2,428	4,083	2,622	4,077	2,624	4,174	2,832	3,852	2,762
25-29	4,687	1,072	4,722	1,071	4,783	1,070	4,751	1,093	4,627	1,145
30-34	2,907	434	2,825	427	2,878	425	2,979	446	3,048	479
35-39	1,133	207	1,196	195	1,186	225	1,219	200	1,188	219
40-44	204	42	181	51	194	53	227	49	234	47
45+	9	15	10	7	10	6	9	10	6	6
Unknown	3	1	75	44	117	58	9	4	104	44
Total	14,245	6,490	14,025	6,704	14,165	6,566	14,265	6,595	13,819	6,611

West Virginia Bureau for Public Health
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Marital Status by Age of Mother

West Virginia Resident Births, 2001

Exhibit 9



West Virginia Bureau for Public Health
Health Statistics Center, 2003

**Selected Factors by Race of Mother
West Virginia Resident Births, 2001
Table 14**

Factor	White		Black		Other		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	19,577	95.8	698	3.4	155	0.8	20,430	100.0
<u>Low Birthweight</u>	1,710	8.7	82	11.7	12	7.7	1,804	8.8
<u>Maternal Age</u>								
Mother's < 20 Years	2,521	12.9	142	20.3	6	3.9	2,669	13.1
Mother's < 15 Years	24	0.1	4	0.6	0	0.0	28	0.1
<u>Births with Known Prenatal Care</u>								
First Trimester	16,344	86.9	500	76.3	119	80.4	16,963	86.5
Second Trimester	2,102	11.2	131	20.0	24	16.2	2,257	11.5
Third Trimester	275	1.5	18	2.7	3	2.0	296	1.5
No Prenatal Care	97	0.5	6	0.9	2	1.4	105	0.5
<u>Gestational Age</u>								
< 37 Weeks	2,179	11.1	94	13.5	11	7.1	2,284	11.2
37+ Weeks	17,368	88.7	604	86.5	144	92.9	18,116	88.7
Unknown	30	0.2	0	0.0	0	0.0	30	0.1

Births by Month by County
West Virginia Residents, 2001
Table 15

County	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	17	7	24	13	21	11	10	15	7	10	14	18	167
Berkeley	90	77	78	92	82	86	112	91	100	84	105	66	1,063
Boone	34	26	19	28	26	32	26	24	25	33	31	32	336
Braxton	8	8	12	8	11	17	11	14	11	17	11	15	143
Brooke	22	22	19	17	24	15	24	29	19	23	12	16	242
Cabell	107	90	109	103	97	96	110	95	98	98	94	95	1,192
Calhoun	10	9	7	9	6	3	6	5	5	6	3	9	78
Clay	13	12	11	12	8	12	7	17	13	15	12	10	142
Doddridge	3	3	4	3	7	6	9	7	6	3	8	9	68
Fayette	52	38	48	46	45	50	55	61	46	46	43	33	563
Gilmer	4	2	8	2	6	3	7	7	5	10	5	3	62
Grant	6	9	12	9	11	8	13	11	14	7	17	11	128
Greenbrier	31	33	25	33	28	28	29	33	38	32	30	24	364
Hampshire	22	14	24	14	21	19	23	23	11	11	18	13	213
Hancock	31	26	22	29	30	32	25	27	26	33	18	31	330
Hardy	10	12	11	20	11	11	14	11	8	10	10	11	139
Harrison	66	76	59	56	62	69	74	72	70	66	62	52	784
Jackson	19	29	32	28	26	22	31	36	27	32	29	25	336
Jefferson	45	55	48	38	40	36	42	53	61	57	40	51	566
Kanawha	173	164	211	192	223	179	219	202	204	194	178	166	2,305
Lewis	19	23	17	15	23	14	21	13	13	20	16	13	207
Lincoln	11	22	27	10	23	20	28	20	16	26	27	21	251
Logan	39	38	45	40	43	41	37	31	38	45	42	25	464
McDowell	17	27	33	22	27	24	20	29	30	23	22	17	291
Marion	44	48	44	37	60	49	59	57	57	47	45	49	596
Marshall	26	25	35	32	33	31	34	34	32	24	40	18	364
Mason	21	19	23	26	24	22	24	22	18	27	25	22	273
Mercer	48	53	50	56	64	56	58	74	62	71	69	62	723
Mineral	23	33	26	25	29	28	21	37	29	27	21	31	330
Mingo	36	27	29	16	32	39	34	35	38	28	33	30	377
Monongalia	81	58	76	82	95	66	63	69	83	61	62	65	861
Monroe	11	12	15	10	14	11	13	9	15	11	11	11	143
Morgan	10	11	17	7	12	16	11	14	19	13	12	6	148
Nicholas	21	11	23	17	22	23	24	30	32	19	21	14	257
Ohio	38	28	41	47	42	42	51	57	44	44	40	32	506
Pendleton	1	8	10	8	9	7	4	5	10	7	4	9	82
Pleasants	8	8	8	4	8	6	5	5	15	5	9	10	91
Pocahontas	5	3	6	9	7	8	13	5	3	7	6	6	78
Preston	16	14	25	23	24	34	22	27	33	21	24	21	284
Putnam	52	46	52	46	69	49	65	54	43	65	44	52	637
Raleigh	65	57	76	72	68	74	100	79	67	71	77	70	876
Randolph	30	21	26	22	28	29	23	32	23	20	33	17	304
Ritchie	7	4	8	9	8	13	17	7	11	9	9	15	117
Roane	8	10	16	10	15	16	16	17	11	12	11	14	156
Summers	4	12	11	6	10	7	10	6	5	13	5	8	97
Taylor	20	10	8	15	13	8	20	17	5	17	8	7	148
Tucker	8	6	5	3	3	2	9	7	5	4	6	4	62
Tyler	7	9	9	8	6	5	13	7	8	9	11	8	100
Upshur	34	21	25	27	23	23	32	22	28	20	18	19	292
Wayne	39	44	45	40	44	37	43	43	34	43	46	40	498
Webster	6	9	4	10	10	5	3	10	5	7	10	9	88
Wetzel	15	13	13	9	17	9	16	13	24	16	16	12	173
Wirt	1	4	5	4	6	2	4	0	4	4	5	4	43
Wood	63	90	88	61	100	96	87	87	86	79	81	91	1,009
Wyoming	19	19	19	19	30	24	24	29	22	23	29	26	283
Total	1,616	1,555	1,743	1,599	1,826	1,671	1,871	1,836	1,762	1,725	1,678	1,548	20,430

**Place of Delivery, Gender of Child by Race and Marital Status of Mother,
By County
West Virginia Resident Births, 2001
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	167	0	83	81	2	1	0	0	49	167
Berkeley	1,048	15	517	481	28	23	9	5	394	1,063
Boone	336	0	175	160	0	0	1	0	94	336
Braxton	142	1	65	78	0	0	0	0	41	143
Brooke	240	2	132	108	0	1	0	1	73	242
Cabell	1,191	1	602	519	34	25	6	6	394	1,192
Calhoun	76	2	40	38	0	0	0	0	34	78
Clay	142	0	67	75	0	0	0	0	40	142
Doddridge	68	0	37	31	0	0	0	0	19	68
Fayette	554	9	281	252	13	16	1	0	192	563
Gilmer	60	2	31	30	1	0	0	0	27	62
Grant	128	0	63	63	0	1	0	1	39	128
Greenbrier	364	0	173	182	4	3	2	0	107	364
Hampshire	213	0	111	100	0	1	0	1	84	213
Hancock	288	42	159	159	6	4	2	0	108	330
Hardy	139	0	67	69	0	3	0	0	36	139
Harrison	781	3	406	360	3	7	3	5	274	784
Jackson	335	1	169	165	0	0	1	1	78	336
Jefferson	559	7	278	251	12	21	2	2	193	566
Kanawha	2,297	8	1,027	1,040	104	106	12	16	854	2,305
Lewis	207	0	90	116	0	1	0	0	71	207
Lincoln	248	3	136	115	0	0	0	0	65	251
Logan	463	1	229	224	7	4	0	0	139	464
McDowell	290	1	134	121	20	14	1	1	130	291
Marion	592	4	306	270	8	9	0	3	177	596
Marshall	358	6	174	185	1	3	1	0	128	364
Mason	270	3	131	138	1	0	3	0	77	273
Mercer	721	2	325	339	31	24	0	4	264	723
Mineral	330	0	152	159	11	7	1	0	128	330
Mingo	376	1	190	177	2	5	3	0	131	377
Monongalia	858	3	409	396	11	14	22	9	237	861
Monroe	139	4	68	74	1	0	0	0	31	143
Morgan	146	2	75	72	0	0	1	0	46	148
Nicholas	253	4	143	112	1	0	0	1	83	257
Ohio	502	4	262	224	11	9	0	0	190	506
Pendleton	81	1	37	42	2	1	0	0	17	82
Pleasants	91	0	35	55	0	0	0	1	29	91
Pocahontas	74	4	37	40	0	0	0	1	27	78
Preston	280	4	137	146	1	0	0	0	90	284
Putnam	632	5	338	286	3	2	3	5	126	637
Raleigh	876	0	420	392	32	29	1	2	271	876
Randolph	304	0	149	151	1	0	2	1	100	304
Ritchie	114	3	69	48	0	0	0	0	37	117
Roane	155	1	88	68	0	0	0	0	35	156
Summers	96	1	42	53	1	1	0	0	31	97
Taylor	146	2	66	79	0	1	1	1	40	148
Tucker	61	1	33	29	0	0	0	0	17	62
Tyler	100	0	48	52	0	0	0	0	34	100
Upshur	286	6	143	149	0	0	0	0	97	292
Wayne	496	2	242	254	0	0	1	1	138	498
Webster	86	2	46	42	0	0	0	0	29	88
Wetzel	172	1	78	94	0	0	0	1	51	173
Wirt	42	1	25	17	1	0	0	0	13	43
Wood	1,002	7	538	455	3	6	5	2	331	1,009
Wyoming	282	1	148	135	0	0	0	0	71	283
Total	20,257	173	10,026	9,551	356	342	84	71	6,611	20,430

* Includes hospitals, en route to hospitals, and birthing centers
 ** Includes 109 unknowns.

Trimester Prenatal Care Began by County
West Virginia Residents, 2001
Table 17

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown		Total
	Births	%	Births	%	Births	%	Births	%	Births	%	
Barbour	150	89.8	12	7.2	2	1.2	0	0.0	3	1.8	167
Berkeley	865	81.4	153	14.4	23	2.2	12	1.1	10	0.9	1,063
Boone	265	78.9	39	11.6	4	1.2	0	0.0	28	8.3	336
Braxton	112	78.3	18	12.6	0	0.0	1	0.7	12	8.4	143
Brooke	182	75.2	39	16.1	2	0.8	1	0.4	18	7.4	242
Cabell	1,063	89.2	104	8.7	13	1.1	7	0.6	5	0.4	1,192
Calhoun	55	70.5	16	20.5	2	2.6	0	0.0	5	6.4	78
Clay	116	81.7	13	9.2	0	0.0	0	0.0	13	9.2	142
Doddridge	60	88.2	6	8.8	1	1.5	0	0.0	1	1.5	68
Fayette	453	80.5	71	12.6	11	2.0	4	0.7	24	4.3	563
Gilmer	53	85.5	4	6.5	0	0.0	0	0.0	5	8.1	62
Grant	118	92.2	6	4.7	3	2.3	0	0.0	1	0.8	128
Greenbrier	308	84.6	37	10.2	8	2.2	1	0.3	10	2.7	364
Hampshire	194	91.1	13	6.1	3	1.4	2	0.9	1	0.5	213
Hancock	229	69.4	46	13.9	8	2.4	1	0.3	46	13.9	330
Hardy	127	91.4	9	6.5	1	0.7	1	0.7	1	0.7	139
Harrison	699	89.2	67	8.5	7	0.9	1	0.1	10	1.3	784
Jackson	285	84.8	29	8.6	3	0.9	0	0.0	19	5.7	336
Jefferson	494	87.3	53	9.4	9	1.6	3	0.5	7	1.2	566
Kanawha	1,856	80.5	219	9.5	9	0.4	15	0.7	206	8.9	2,305
Lewis	173	83.6	17	8.2	2	1.0	0	0.0	15	7.2	207
Lincoln	207	82.5	32	12.7	4	1.6	1	0.4	7	2.8	251
Logan	347	74.8	69	14.9	16	3.4	3	0.6	29	6.2	464
McDowell	192	66.0	72	24.7	17	5.8	3	1.0	7	2.4	291
Marion	488	81.9	71	11.9	13	2.2	3	0.5	21	3.5	596
Marshall	330	90.7	25	6.9	2	0.5	2	0.5	5	1.4	364
Mason	230	84.2	32	11.7	3	1.1	1	0.4	7	2.6	273
Mercer	561	77.6	122	16.9	22	3.0	10	1.4	8	1.1	723
Mineral	283	85.8	36	10.9	5	1.5	3	0.9	3	0.9	330
Mingo	314	83.3	37	9.8	3	0.8	2	0.5	21	5.6	377
Monongalia	681	79.1	108	12.5	11	1.3	4	0.5	57	6.6	861
Monroe	121	84.6	13	9.1	3	2.1	2	1.4	4	2.8	143
Morgan	122	82.4	22	14.9	4	2.7	0	0.0	0	0.0	148
Nicholas	197	76.7	39	15.2	3	1.2	2	0.8	16	6.2	257
Ohio	451	89.1	44	8.7	8	1.6	1	0.2	2	0.4	506
Pendleton	69	84.1	13	15.9	0	0.0	0	0.0	0	0.0	82
Pleasants	74	81.3	14	15.4	0	0.0	0	0.0	3	3.3	91
Pocahontas	60	76.9	12	15.4	4	5.1	0	0.0	2	2.6	78
Preston	239	84.2	27	9.5	4	1.4	1	0.4	13	4.6	284
Putnam	555	87.1	50	7.8	1	0.2	1	0.2	30	4.7	637
Raleigh	733	83.7	99	11.3	12	1.4	1	0.1	31	3.5	876
Randolph	265	87.2	30	9.9	2	0.7	2	0.7	5	1.6	304
Ritchie	92	78.6	14	12.0	1	0.9	1	0.9	9	7.7	117
Roane	114	73.1	21	13.5	0	0.0	1	0.6	20	12.8	156
Summers	82	84.5	9	9.3	2	2.1	3	3.1	1	1.0	97
Taylor	125	84.5	14	9.5	4	2.7	1	0.7	4	2.7	148
Tucker	53	85.5	5	8.1	1	1.6	0	0.0	3	4.8	62
Tyler	87	87.0	9	9.0	1	1.0	1	1.0	2	2.0	100
Upshur	253	86.6	20	6.8	5	1.7	1	0.3	13	4.5	292
Wayne	456	91.6	40	8.0	1	0.2	1	0.2	0	0.0	498
Webster	72	81.8	10	11.4	2	2.3	0	0.0	4	4.5	88
Wetzel	157	90.8	14	8.1	0	0.0	0	0.0	2	1.2	173
Wirt	34	79.1	6	14.0	1	2.3	0	0.0	2	4.7	43
Wood	826	81.9	129	12.8	26	2.6	3	0.3	25	2.5	1,009
Wyoming	236	83.4	28	9.9	4	1.4	2	0.7	13	4.6	283
Total	16,963	83.0	2,257	11.0	296	1.4	105	0.5	809	4.0	20,430

**Number of Prenatal Visits by County
West Virginia Resident Births, 2001
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	10	6.0	36	21.6	81	48.5	33	19.8	7	4.2	167
Berkeley	10	0.9	29	2.7	223	21.0	694	65.3	91	8.6	16	1.5	1,063
Boone	0	0.0	34	10.1	154	45.8	122	36.3	15	4.5	11	3.3	336
Braxton	1	0.7	5	3.5	26	18.2	69	48.3	16	11.2	26	18.2	143
Brooke	1	0.4	5	2.1	65	26.9	155	64.0	15	6.2	1	0.4	242
Cabell	7	0.6	33	2.8	350	29.4	673	56.5	127	10.7	2	0.2	1,192
Calhoun	0	0.0	2	2.6	19	24.4	43	55.1	10	12.8	4	5.1	78
Clay	2	1.4	7	4.9	64	45.1	50	35.2	12	8.5	7	4.9	142
Doddridge	0	0.0	2	2.9	6	8.8	42	61.8	17	25.0	1	1.5	68
Fayette	4	0.7	27	4.8	143	25.4	300	53.3	81	14.4	8	1.4	563
Gilmer	0	0.0	0	0.0	11	17.7	25	40.3	9	14.5	17	27.4	62
Grant	0	0.0	1	0.8	16	12.5	75	58.6	34	26.6	2	1.6	128
Greenbrier	0	0.0	10	2.7	50	13.7	178	48.9	120	33.0	6	1.6	364
Hampshire	2	0.9	5	2.3	24	11.3	180	84.5	1	0.5	1	0.5	213
Hancock	1	0.3	10	3.0	84	25.5	207	62.7	25	7.6	3	0.9	330
Hardy	1	0.7	5	3.6	21	15.1	81	58.3	30	21.6	1	0.7	139
Harrison	1	0.1	15	1.9	102	13.0	491	62.6	167	21.3	8	1.0	784
Jackson	0	0.0	11	3.3	86	25.6	192	57.1	35	10.4	12	3.6	336
Jefferson	3	0.5	9	1.6	133	23.5	356	62.9	57	10.1	8	1.4	566
Kanawha	20	0.9	123	5.3	943	40.9	946	41.0	185	8.0	88	3.8	2,305
Lewis	0	0.0	3	1.4	24	11.6	87	42.0	41	19.8	52	25.1	207
Lincoln	1	0.4	8	3.2	92	36.7	110	43.8	37	14.7	3	1.2	251
Logan	4	0.9	74	15.9	243	52.4	111	23.9	20	4.3	12	2.6	464
McDowell	4	1.4	30	10.3	96	33.0	136	46.7	17	5.8	8	2.7	291
Marion	5	0.8	28	4.7	175	29.4	327	54.9	59	9.9	2	0.3	596
Marshall	2	0.5	6	1.6	63	17.3	270	74.2	23	6.3	0	0.0	364
Mason	2	0.7	10	3.7	74	27.1	164	60.1	19	7.0	4	1.5	273
Mercer	10	1.4	39	5.4	195	27.0	396	54.8	80	11.1	3	0.4	723
Mineral	3	0.9	15	4.5	93	28.2	196	59.4	18	5.5	5	1.5	330
Mingo	2	0.5	26	6.9	118	31.3	143	37.9	76	20.2	12	3.2	377
Monongalia	6	0.7	36	4.2	266	30.9	460	53.4	89	10.3	4	0.5	861
Monroe	2	1.4	6	4.2	24	16.8	74	51.7	34	23.8	3	2.1	143
Morgan	0	0.0	4	2.7	39	26.4	98	66.2	5	3.4	2	1.4	148
Nicholas	2	0.8	8	3.1	40	15.6	119	46.3	83	32.3	5	1.9	257
Ohio	1	0.2	13	2.6	77	15.2	404	79.8	9	1.8	2	0.4	506
Pendleton	0	0.0	0	0.0	19	23.2	52	63.4	11	13.4	0	0.0	82
Pleasants	0	0.0	2	2.2	18	19.8	59	64.8	11	12.1	1	1.1	91
Pocahontas	0	0.0	11	14.1	25	32.1	29	37.2	13	16.7	0	0.0	78
Preston	1	0.4	11	3.9	57	20.1	162	57.0	51	18.0	2	0.7	284
Putnam	1	0.2	15	2.4	205	32.2	341	53.5	57	8.9	18	2.8	637
Raleigh	2	0.2	29	3.3	188	21.5	483	55.1	158	18.0	16	1.8	876
Randolph	1	0.3	33	10.9	82	27.0	123	40.5	60	19.7	5	1.6	304
Ritchie	1	0.9	2	1.7	17	14.5	81	69.2	12	10.3	4	3.4	117
Roane	1	0.6	7	4.5	47	30.1	71	45.5	19	12.2	11	7.1	156
Summers	2	2.1	2	2.1	24	24.7	47	48.5	21	21.6	1	1.0	97
Taylor	1	0.7	7	4.7	28	18.9	82	55.4	29	19.6	1	0.7	148
Tucker	0	0.0	6	9.7	15	24.2	28	45.2	12	19.4	1	1.6	62
Tyler	1	1.0	6	6.0	21	21.0	62	62.0	9	9.0	1	1.0	100
Upshur	1	0.3	5	1.7	53	18.2	144	49.3	76	26.0	13	4.5	292
Wayne	1	0.2	4	0.8	139	27.9	303	60.8	51	10.2	0	0.0	498
Webster	0	0.0	0	0.0	9	10.2	38	43.2	38	43.2	3	3.4	88
Wetzel	0	0.0	5	2.9	47	27.2	107	61.8	12	6.9	2	1.2	173
Wirt	0	0.0	1	2.3	7	16.3	26	60.5	7	16.3	2	4.7	43
Wood	2	0.2	28	2.8	180	17.8	665	65.9	127	12.6	7	0.7	1,009
Wyoming	2	0.7	17	6.0	82	29.0	148	52.3	28	9.9	6	2.1	283
Total	114	0.6	840	4.1	5,438	26.6	11,106	54.4	2,492	12.2	440	2.2	20,430

West Virginia Bureau for Public Health
Health Statistics Center, 2003

**Prenatal Care by Mother's Race, Marital Status, and Education
West Virginia Resident Births, 2001
Table 19**

Birth Characteristics	Time Prenatal Care Began					Total
	First Trimester	Second Trimester	Third Trimester	No Care	Unk.	
Mother's Race: White	16,344	2,102	275	97	759	19,577
Mother's Marital Status						
Married	11,830	1,069	118	37	479	13,533
Not Married	4,514	1,033	157	60	280	6,044
Mother's Educational Level						
8 Years and Under	301	100	23	5	35	464
9 - 11 Years	2,417	568	90	27	136	3,238
12 Years	6,567	899	117	37	296	7,916
13 - 15 Years	3,769	341	32	13	135	4,290
16 Years or More	3,200	174	8	7	130	3,519
Unknown	90	20	5	8	27	150
Mother's Race: Black	500	131	18	6	43	698
Mother's Marital Status						
Married	136	14	3	0	7	160
Not Married	364	117	15	6	36	538
Mother's Educational Level						
8 Years and Under	4	5	1	0	3	13
9 - 11 Years	84	28	2	3	14	131
12 Years	208	60	12	2	18	300
13 - 15 Years	148	27	2	1	6	184
16 Years or More	54	8	0	0	2	64
Unknown	2	3	1	0	0	6
Mother's Race: Other	119	24	3	2	7	155
Mother's Marital Status						
Married	99	16	3	2	6	126
Not Married	20	8	0	0	1	29
Mother's Educational Level						
8 Years and Under	1	0	0	0	0	1
9 - 11 Years	3	3	0	0	0	6
12 Years	22	8	2	0	3	35
13 - 15 Years	28	4	1	2	1	36
16 Years or More	65	8	0	0	3	76
Unknown	0	1	0	0	0	1

**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, 2001
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	0.6	26.3	24.6	13.8	11.4	28.1	1.2	4.8
Berkeley	0.6	28.2	57.9	16.7	8.5	40.1	1.2	13.1
Boone	0.0	39.3	35.4	17.9	11.6	29.8	1.2	1.5
Braxton	0.0	16.8	20.3	18.9	9.1	28.7	1.4	1.4
Brooke	0.8	26.9	30.6	16.1	12.0	30.2	1.2	4.5
Cabell	0.4	24.6	35.7	16.8	11.2	26.6	0.7	2.3
Calhoun	0.0	32.1	32.1	14.1	10.3	32.1	0.0	3.8
Clay	0.7	28.9	31.0	12.0	9.2	19.7	0.7	2.1
Doddridge	0.0	23.5	20.6	16.2	20.6	17.6	0.0	2.9
Fayette	0.2	31.1	41.0	17.9	10.3	41.6	6.0	11.7
Gilmer	0.0	22.6	12.9	19.4	14.5	24.2	3.2	0.0
Grant	0.0	22.7	14.1	14.1	7.0	46.9	0.8	4.7
Greenbrier	0.0	29.4	28.3	16.8	9.3	34.9	3.0	11.0
Hampshire	0.0	26.3	25.8	19.2	8.5	31.5	0.5	3.8
Hancock	0.0	27.0	24.8	18.8	9.7	28.5	0.9	3.6
Hardy	0.7	25.2	25.9	18.0	12.9	34.5	0.0	2.9
Harrison	0.5	28.3	23.2	17.7	10.3	26.7	0.9	3.6
Jackson	0.0	20.5	31.8	14.9	8.3	28.0	0.9	2.7
Jefferson	1.6	20.8	48.6	17.3	13.8	38.9	3.4	16.1
Kanawha	0.4	29.9	35.3	19.0	10.8	29.8	0.7	1.3
Lewis	0.0	21.7	18.4	14.5	12.1	19.3	1.0	4.3
Lincoln	0.0	30.7	36.7	19.1	10.0	25.9	0.8	1.2
Logan	0.2	36.6	35.3	19.8	13.8	26.3	0.6	1.9
McDowell	1.7	38.1	39.9	17.2	17.2	25.4	1.0	3.4
Marion	0.2	18.8	37.8	16.6	7.0	35.9	1.5	3.5
Marshall	0.5	26.1	35.2	17.0	12.1	32.1	1.1	3.8
Mason	1.1	29.7	25.3	19.4	7.3	29.7	0.7	2.6
Mercer	0.6	26.0	28.1	15.8	9.5	20.6	1.0	3.5
Mineral	0.3	26.7	23.6	17.0	7.9	34.8	2.4	8.5
Mingo	0.0	34.2	25.2	29.2	16.4	22.3	2.4	4.5

**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, 2001
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	1.0	15.1	29.3	12.5	6.6	40.3	1.6	4.3
Monroe	0.7	18.2	23.1	12.6	6.3	28.0	0.0	10.5
Morgan	0.0	24.3	45.3	18.2	8.1	41.2	2.7	13.5
Nicholas	0.8	28.8	42.4	13.2	10.5	42.4	1.9	7.4
Ohio	0.8	25.7	35.0	18.2	8.7	29.4	1.8	4.5
Pendleton	0.0	15.9	42.7	14.6	7.3	40.2	0.0	6.1
Pleasants	0.0	23.1	39.6	16.5	13.2	28.6	3.3	7.7
Pocahontas	0.0	39.7	20.5	11.5	5.1	29.5	3.8	10.3
Preston	0.0	23.2	33.8	18.0	5.3	52.5	2.8	6.7
Putnam	0.2	20.6	29.5	18.4	14.3	28.6	0.9	2.8
Raleigh	0.0	27.5	44.1	18.6	7.5	39.2	6.7	13.5
Randolph	0.3	27.0	24.0	12.8	11.8	28.0	0.7	3.9
Ritchie	0.0	23.1	27.4	12.0	5.1	28.2	3.4	6.0
Roane	0.0	32.1	33.3	17.9	9.6	34.6	1.3	1.3
Summers	0.0	26.8	32.0	10.3	9.3	42.3	6.2	13.4
Taylor	1.4	23.6	30.4	10.8	12.2	34.5	0.7	5.4
Tucker	0.0	25.8	29.0	22.6	11.3	25.8	1.6	3.2
Tyler	2.0	24.0	26.0	15.0	11.0	34.0	2.0	4.0
Upshur	0.3	19.5	17.5	7.5	4.8	23.6	0.7	4.5
Wayne	0.0	29.7	33.1	16.1	11.4	26.1	0.8	1.4
Webster	0.0	21.6	27.3	9.1	9.1	30.7	0.0	3.4
Wetzel	1.2	25.4	32.9	17.3	9.8	35.3	1.2	3.5
Wirt	4.7	25.6	25.6	14.0	9.3	30.2	4.7	9.3
Wood	0.0	23.1	28.8	10.1	8.9	28.4	3.1	4.7
Wyoming	0.0	36.4	51.2	15.5	10.6	34.3	5.7	13.4
Total	0.4	26.5	33.9	16.6	10.1	31.6	1.8	5.3

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**Births by Method of Delivery
Number and Percent by Facility of Occurrence
West Virginia, 2001
Table 21**

Hospital	Method of Delivery									
	Vaginal		Vaginal after C-Section		Total C-Section		Primary C-Section		Repeat C-Section	
Total	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Bluefield Regional Medical Center	763	71.8	5	0.7	207	27.1	129	16.9	78	10.2
Broadus Hospital	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0
CAMC - Women & Children's	3,140	71.3	47	1.5	853	27.2	517	16.5	336	10.7
Cabell-Huntington Hospital	2,294	69.6	13	0.6	684	29.8	388	16.9	296	12.9
Camden-Clark Memorial Hospital	1,187	76.2	16	1.3	232	19.5	128	10.8	104	8.8
City Hospital	866	74.6	15	1.7	205	23.7	122	14.1	83	9.6
Davis Memorial Hospital	428	68.9	10	2.3	113	26.4	67	15.7	46	10.7
Fairmont General Hospital	488	76.4	7	1.4	108	22.1	75	15.4	33	6.8
Grant Memorial Hospital	273	74.4	2	0.7	68	24.9	39	14.3	29	10.6
Greenbrier Valley Hospital	390	73.6	18	4.6	77	19.7	47	12.1	30	7.7
Jackson General Hospital	111	86.5	0	0.0	15	13.5	13	11.7	2	1.8
Jefferson Memorial Hospital	210	64.3	3	1.4	72	34.3	39	18.6	33	15.7
Logan General Hospital	374	66.0	2	0.5	124	33.2	73	19.5	51	13.6
Monongalia General Hospital	610	73.3	8	1.3	130	21.3	79	13.0	51	8.4
New River Birthing Center	17	100.0	0	0.0	0	0.0	0	0.0	0	0.0
Ohio Valley Medical Center	527	70.0	16	3.0	141	26.8	93	17.6	48	9.1
Pleasant Valley Hospital	178	70.8	1	0.6	51	28.7	34	19.1	17	9.6
Pocahontas Memorial Hospital	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
Preston Memorial Hospital	112	78.6	3	2.7	21	18.8	18	16.1	3	2.7
Princeton Community Hospital	372	76.6	14	3.8	72	19.4	40	10.8	32	8.6
Putnam General Hospital	115	76.5	0	0.0	26	22.6	15	13.0	11	9.6

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**Births by Method of Delivery
Number and Percent by Facility of Occurrence
West Virginia, 2001
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	1,657	1,148	69.3	29	1.8	458	27.6	311	18.8	147	8.9	
Reynolds Memorial Hospital	147	98	66.7	2	1.4	43	29.3	29	19.7	14	9.5	
Roane General Hospital	115	76	66.1	1	0.9	33	28.7	17	14.8	16	13.9	
St. Joseph's Hospital (Wood)	390	318	81.5	7	1.8	60	15.4	32	8.2	28	7.2	
St. Joseph's Hospital (Upshur)	400	336	84.0	15	3.7	44	11.0	26	6.5	18	4.5	
St. Mary's Hospital	625	452	72.3	13	2.1	159	25.4	112	17.9	47	7.5	
Stonewall Jackson Memorial Hospital	244	168	68.9	2	0.8	74	30.3	39	16.0	35	14.3	
Summersville Memorial Hospital	250	186	74.4	4	1.6	55	22.0	36	14.4	19	7.6	
Thomas Memorial Hospital	811	436	53.8	1	0.1	373	46.0	247	30.5	126	15.5	
United Hospital Center - Downtown	844	582	69.0	17	2.0	243	28.8	144	17.1	99	11.7	
Weirton Medical Center	355	254	71.5	0	0.0	98	27.6	67	18.9	31	8.7	
Welch Emergency Hospital	89	51	57.3	0	0.0	38	42.7	17	19.1	21	23.6	
Welch Emergency Hospital Birthing Center	7	2	28.6	0	0.0	5	71.4	3	42.9	2	28.6	
West Virginia University Hospital	1,343	923	68.7	33	2.5	334	24.9	222	16.5	112	8.3	
Wetzel County Hospital	110	73	66.4	0	0.0	37	33.6	26	23.6	11	10.0	
Wheeling Hospital	901	626	69.5	21	2.3	254	28.2	140	15.5	114	12.7	
Williamson Memorial Hospital	116	42	36.2	0	0.0	74	63.8	52	44.8	22	19.0	
WomanCARE, Inc.	30	30	100.0	0	0.0	0	0.0	0	0.0	0	0.0	
--Nonhospital births	109	96	88.1	2	1.8	11	10.1	4	3.7	7	6.4	
Total West Virginia Occurrences	21,001	14,892	70.9	327	1.6	5,592	26.6	3,440	16.4	2,152	10.2	

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**Number and Rate of Births by City of Residence
West Virginia, 2001
Table 22**

Cities with Populations of 10,000 or More	2000 Census Population	Resident Births	Rate per 1,000 Population
Beckley	17,254	271	15.7
Bluefield	11,451	150	13.1
Charleston	53,421	735	13.8
Clarksburg	16,743	237	14.2
Fairmont	19,097	290	15.2
Huntington	51,475	660	12.8
Martinsburg	14,972	360	24.0
Morgantown	26,809	488	18.2
Moundsville	9,998	104	10.4
Parkersburg	33,099	450	13.6
Saint Albans	11,567	179	15.5
South Charleston	13,390	165	12.3
Vienna	10,861	99	9.1
Weirton	20,411	182	8.9
Wheeling	31,419	336	10.7

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Out-of-State Occurrences
West Virginia Resident Births, 1997-2001
Table 23

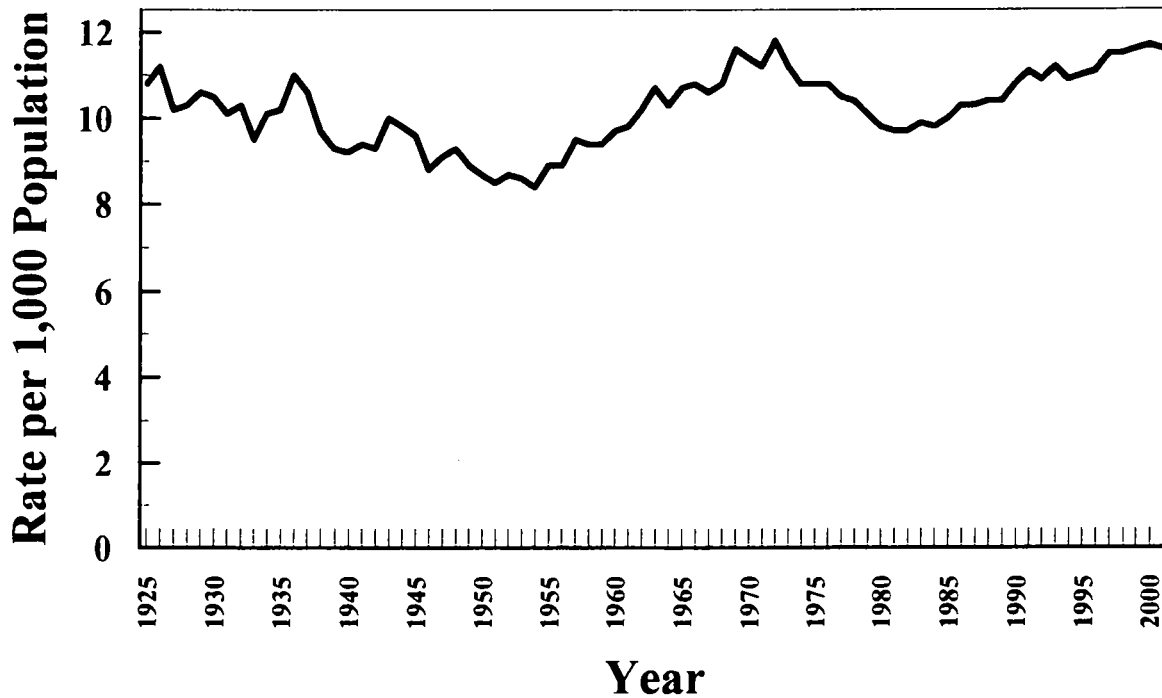
State	1997 Births	1998 Births	1999 Births	2000 Births	2001 Births
Virginia	789	726	881	849	849
Maryland	571	538	531	536	577
Ohio	415	401	378	322	326
Pennsylvania	113	133	125	140	113
Kentucky	92	118	188	162	174
All Other States	39	22	35	50	43
Total	2,019	1,938	2,138	2,059	2,082

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DEATHS

Number and Rate of Resident Deaths West Virginia, 1925-2001

Exhibit 10



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

**Number of Deaths by Race and Gender by County of Residence
West Virginia, 2001
Table 24**

County	White		Black		Other		Total
	Male	Female	Male	Female	Male	Female	
Barbour	86	90	0	2	0	0	178
Berkeley	343	300	22	14	0	0	679
Boone	144	141	0	1	1	0	287
Braxton	75	95	0	1	0	0	171
Brooke	161	173	1	2	0	0	337
Cabell	530	601	11	24	0	1	1,167
Calhoun	51	48	0	0	0	0	99
Clay	63	53	0	0	0	0	116
Doddridge	41	35	0	0	0	0	76
Fayette	314	318	20	23	0	0	675
Gilmer	28	36	0	0	0	0	64
Grant	54	70	0	1	1	0	126
Greenbrier	189	254	9	14	0	0	466
Hampshire	96	92	1	1	0	0	190
Hancock	218	228	2	3	0	0	451
Hardy	76	70	2	1	0	0	149
Harrison	434	429	4	6	0	0	873
Jackson	155	150	0	0	0	0	305
Jefferson	162	168	21	13	0	0	364
Kanawha	1,087	1,316	70	74	3	3	2,553
Lewis	106	100	0	1	0	0	207
Lincoln	146	115	0	0	0	0	261
Logan	220	258	11	8	0	0	497
McDowell	144	165	44	42	0	0	395
Marion	348	435	9	10	0	1	803
Marshall	187	160	1	0	1	0	349
Mason	131	131	0	1	1	1	265
Mercer	409	373	22	29	0	0	833
Mineral	175	136	1	4	0	0	316
Mingo	159	151	5	3	0	0	318
Monongalia	304	344	3	4	1	0	656
Monroe	57	79	1	1	0	0	138
Morgan	84	87	0	1	0	0	172
Nicholas	136	143	0	0	0	0	279
Ohio	264	351	8	8	0	1	632
Pendleton	39	28	1	0	0	0	68
Pleasants	41	49	0	0	0	0	90
Pocahontas	76	51	1	0	0	0	128
Preston	144	154	0	0	0	0	298
Putnam	188	230	0	1	0	0	419
Raleigh	432	431	28	44	2	4	941
Randolph	160	184	1	1	0	0	346
Ritchie	60	63	0	1	0	1	125
Roane	100	94	2	0	2	0	198
Summers	86	83	2	6	0	0	177
Taylor	91	110	0	2	0	0	203
Tucker	37	33	0	0	0	0	70
Tyler	54	50	0	0	0	0	104
Upshur	132	128	0	2	0	0	262
Wayne	219	233	0	0	0	0	452
Webster	63	54	0	0	0	0	117
Wetzel	99	106	0	0	1	0	206
Wirt	30	20	0	0	0	0	50
Wood	449	542	3	5	2	0	1,001
Wyoming	144	131	1	0	0	0	276
Total	9,821	10,469	307	354	15	12	20,978

**Number of Deaths by County of Residence and Occurrence
West Virginia, 2001
Table 25**

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	178	108	Monongalia	656	1,341
Berkeley	679	791	Monroe	138	69
Boone	287	208	Morgan	172	135
Braxton	171	132	Nicholas	279	222
Brooke	337	442	Ohio	632	969
Cabell	1,167	1,703	Pendleton	68	33
Calhoun	99	47	Pleasants	90	36
Clay	116	64	Pocahontas	128	81
Doddridge	76	26	Preston	298	189
Fayette	675	517	Putnam	419	370
Gilmer	64	38	Raleigh	941	1,118
Grant	126	133	Randolph	346	350
Greenbrier	466	425	Ritchie	125	55
Hampshire	190	126	Roane	198	138
Hancock	451	166	Summers	177	133
Hardy	149	61	Taylor	203	167
Harrison	873	997	Tucker	70	49
Jackson	305	237	Tyler	104	56
Jefferson	364	272	Upshur	262	204
Kanawha	2,553	3,076	Wayne	452	347
Lewis	207	175	Webster	117	82
Lincoln	261	126	Wetzel	206	196
Logan	497	469	Wirt	50	18
McDowell	395	233	Wood	1,001	1,187
Marion	803	663	Wyoming	276	96
Marshall	349	258			
Mason	265	234			
Mercer	833	1,074	Total	20,978 *	20,846
Mineral	316	190			
Mingo	318	214			

* Includes 1,843 West Virginia resident deaths occurring out-of-state

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**Out-of-State Occurrences
West Virginia Resident Deaths, 1997-2001
Table 26**

State	1997 Deaths	1998 Deaths	1999 Deaths	2000 Deaths	2001 Deaths
Virginia	475	464	514	471	503
Ohio	481	415	360	431	463
Maryland	291	290	284	304	286
Pennsylvania	168	160	139	202	211
Kentucky	128	142	118	118	119
Florida	45	55	60	56	57
North Carolina	60	56	52	57	63
District of Columbia	14	24	19	22	14
Tennessee	18	22	19	23	22
All Other States	85	91	77	109	105
Canada	0	0	0	0	0
Total	1,765	1,719	1,642	1,793	1,843

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**Number of Deaths by County of Residence
West Virginia, 1997-2001
Table 27**

County	1997	1998	1999	2000	2001	County	1997	1998	1999	2000	2001
Barbour	209	205	201	207	178	Monongalia	582	632	623	663	656
Berkeley	645	611	620	631	679	Monroe	141	140	157	156	138
Boone	278	326	298	307	287	Morgan	149	169	143	152	172
Braxton	184	160	150	143	171	Nicholas	268	312	301	318	279
Brooke	322	338	323	300	337	Ohio	690	622	678	602	632
Cabell	1,271	1,249	1,220	1,165	1,167	Pendleton	106	101	90	92	68
Calhoun	82	87	106	92	99	Pleasants	83	69	100	83	90
Clay	130	120	128	122	116	Pocahontas	104	111	100	111	128
Doddridge	68	93	81	98	76	Preston	314	297	355	369	298
Fayette	643	644	575	658	675	Putnam	427	417	436	445	419
Gilmer	89	79	107	86	64	Raleigh	870	922	872	964	941
Grant	115	107	129	139	126	Randolph	332	328	341	343	346
Greenbrier	445	460	436	443	466	Ritchie	130	119	157	126	125
Hampshire	194	189	189	198	190	Roane	198	164	168	180	198
Hancock	381	392	379	408	451	Summers	191	175	211	168	177
Hardy	131	129	147	126	149	Taylor	194	180	174	211	203
Harrison	907	902	903	908	873	Tucker	100	100	97	88	70
Jackson	272	277	321	309	305	Tyler	105	121	123	112	104
Jefferson	329	364	371	378	364	Upshur	269	247	288	268	262
Kanawha	2,452	2,555	2,518	2,504	2,553	Wayne	437	432	453	440	452
Lewis	216	232	217	217	207	Webster	125	114	115	114	117
Lincoln	272	237	237	280	261	Wetzel	220	216	228	225	206
Logan	453	506	508	480	497	Wirt	57	63	40	46	50
McDowell	419	397	407	435	395	Wood	1,026	950	1,011	1,043	1,001
Marion	723	708	700	702	803	Wyoming	275	299	290	303	276
Marshall	413	410	411	395	349						
Mason	305	282	323	315	265						
Mercer	830	769	864	799	833	Total	20,872	20,764	20,993	21,127	20,978
Mineral	330	299	256	327	316						
Mingo	371	337	317	333	318						

**Age at Death by County of Residence
West Virginia, 2001
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	178	2	0	0	0	1	2	2	3	6	17	34	58	53	75.0
Berkeley	679	8	1	2	2	4	7	17	34	50	78	146	165	165	69.7
Boone	287	0	1	0	0	1	0	9	13	16	32	62	91	62	71.8
Braxton	171	1	0	0	0	2	1	4	3	9	17	38	38	58	74.2
Brooke	337	3	0	0	0	1	4	3	5	15	47	58	106	95	74.3
Cabell	1,167	12	1	1	1	2	5	11	39	78	109	218	392	298	73.5
Calhoun	99	0	1	0	0	0	0	0	4	7	9	18	31	29	75.0
Clay	116	0	0	0	0	1	0	2	4	11	12	25	29	32	72.9
Doddridge	76	0	0	0	0	0	0	0	1	6	7	19	30	13	74.1
Fayette	675	4	1	1	0	2	3	11	23	66	64	137	190	173	72.2
Gilmer	64	0	0	0	0	0	0	0	0	2	10	10	19	23	78.3
Grant	126	2	0	0	0	3	0	1	4	4	10	17	47	38	74.8
Greenbrier	466	2	0	1	2	3	2	3	14	42	37	81	139	140	74.0
Hampshire	190	3	0	0	1	0	2	4	8	12	22	48	39	51	70.7
Hancock	451	2	0	0	0	2	1	5	12	28	44	88	150	119	74.3
Hardy	149	0	0	0	0	2	0	4	5	11	17	36	35	39	72.2
Harrison	873	3	1	3	3	4	5	6	35	42	101	158	248	264	74.0
Jackson	305	1	0	1	1	1	1	3	9	18	25	78	95	72	73.3
Jefferson	364	5	0	0	0	3	5	4	9	34	48	71	107	78	70.6
Kanawha	2,553	17	4	1	0	3	14	25	94	189	243	473	800	690	73.6
Lewis	207	1	0	0	1	2	0	4	7	11	26	39	52	64	73.6
Lincoln	261	7	0	0	0	1	0	3	10	12	34	60	72	62	71.7
Logan	497	7	0	1	0	5	2	5	25	49	65	110	129	99	69.4
McDowell	395	2	2	0	0	1	6	11	28	39	48	65	112	81	69.0
Marion	803	2	1	0	0	0	7	5	19	42	89	141	258	239	75.4
Marshall	349	3	0	0	0	2	2	8	10	30	28	65	112	89	72.8
Mason	265	0	1	0	1	2	2	5	6	11	29	61	80	67	73.3
Mercer	833	4	2	0	1	4	3	16	33	56	86	150	269	209	72.9
Mineral	316	2	1	0	0	4	1	2	12	25	31	61	96	81	72.5
Mingo	318	5	0	0	1	1	5	7	15	24	37	73	90	60	69.2
Monongalia	656	1	0	0	0	2	5	8	14	38	53	143	201	191	75.0
Monroe	138	1	0	1	0	0	0	0	2	11	11	27	49	36	74.7
Morgan	172	2	0	0	0	2	3	2	6	12	16	34	53	42	71.7
Nicholas	279	2	2	1	1	1	1	8	13	14	26	68	66	76	71.7
Ohio	632	6	0	0	0	6	1	6	11	37	54	119	200	192	75.1
Pendleton	68	0	0	0	0	1	0	0	1	4	5	12	20	25	77.2
Pleasants	90	0	0	0	0	0	0	2	3	7	11	20	29	18	72.4
Pocahontas	128	1	1	0	0	0	1	1	6	6	6	28	43	35	74.2
Preston	298	5	1	0	1	1	2	2	7	14	33	48	95	89	73.9
Putnam	419	8	1	2	0	5	5	7	11	20	54	80	126	100	70.8
Raleigh	941	4	0	0	0	3	4	20	37	78	102	183	268	242	72.3
Randolph	346	1	0	0	0	1	1	5	14	11	34	66	115	98	75.2
Ritchie	125	1	0	0	0	1	1	5	3	7	15	25	38	29	71.4
Roane	198	0	1	0	0	0	1	2	9	17	19	39	52	58	73.5
Summers	177	1	0	0	0	0	1	3	5	11	23	37	47	49	73.5
Taylor	203	2	0	0	0	1	0	1	3	10	27	46	55	58	74.5
Tucker	70	0	0	0	0	0	0	0	2	4	10	17	15	22	74.7
Tyler	104	0	0	0	0	1	0	1	2	5	8	21	37	29	75.9
Upshur	262	3	1	0	0	1	2	0	8	9	26	51	73	88	75.2
Wayne	452	2	0	0	1	2	4	3	12	30	55	91	129	123	73.2
Webster	117	0	0	0	0	0	0	6	5	7	17	25	25	32	72.0
Wetzel	206	0	0	0	0	1	0	5	4	10	25	39	62	60	74.6
Wirt	50	1	0	0	0	0	0	1	2	3	8	10	11	14	71.2
Wood	1,001	8	3	2	1	3	3	14	37	56	100	177	316	281	73.8
Wyoming	276	2	0	1	1	1	2	3	13	20	30	62	87	54	70.7
Total	20,978	149	27	18	19	90	117	285	714	1,386	2,190	4,108	6,291	5,584	73.1

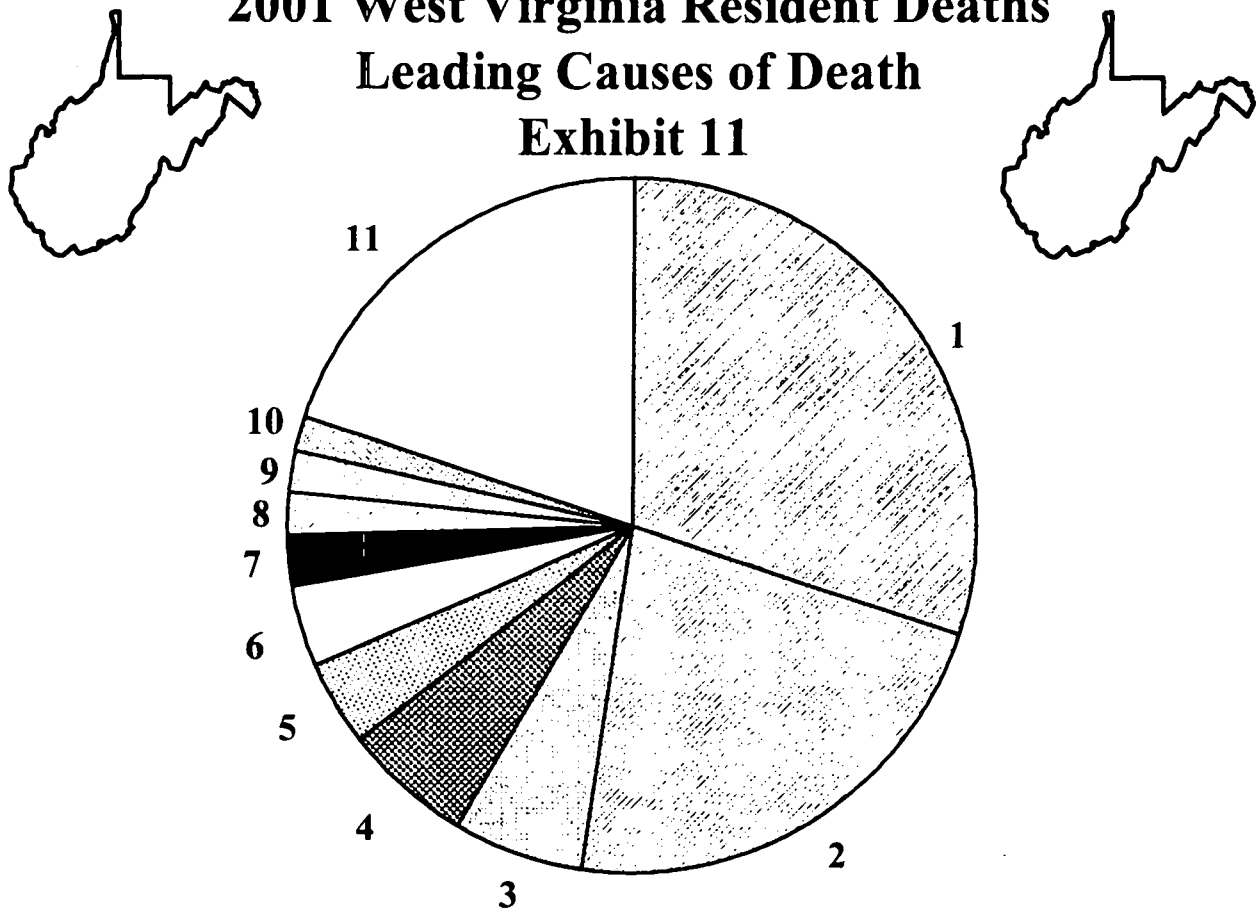
**Place Death Occurred by County of Residence
West Virginia, 2001
Table 29**

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	82	2	31	0	23	4	34	2	178
Berkeley	261	102	4	0	89	4	181	38	679
Boone	145	2	3	0	25	7	96	9	287
Braxton	91	3	3	0	22	1	48	3	171
Brooke	133	58	3	0	62	7	68	6	337
Cabell	592	29	13	1	167	21	323	21	1,167
Calhoun	42	1	1	4	21	0	29	1	99
Clay	48	0	0	0	17	1	45	5	116
Doddridge	38	1	2	0	10	0	24	1	76
Fayette	349	12	12	0	110	9	157	26	675
Gilmer	29	2	0	0	11	1	19	2	64
Grant	39	18	1	0	31	0	29	8	126
Greenbrier	176	31	9	1	84	13	144	8	466
Hampshire	34	58	21	0	34	5	29	9	190
Hancock	155	123	5	0	73	6	86	3	451
Hardy	29	42	4	0	31	0	37	6	149
Harrison	405	17	26	0	166	10	229	20	873
Jackson	158	8	4	0	56	3	70	6	305
Jefferson	131	63	8	0	64	2	87	9	364
Kanawha	1,143	42	8	0	330	132	832	66	2,553
Lewis	101	2	9	0	30	4	56	5	207
Lincoln	126	1	3	0	23	2	102	4	261
Logan	332	12	38	0	18	0	87	10	497
McDowell	205	33	62	2	32	3	45	13	395
Marion	390	12	4	0	159	9	210	19	803
Marshall	211	11	11	0	47	2	57	10	349
Mason	107	21	20	0	49	1	61	6	265
Mercer	448	47	73	0	100	15	133	17	833
Mineral	70	102	5	0	57	1	66	15	316
Mingo	152	50	8	0	25	1	62	20	318
Monongalia	292	15	9	1	136	10	177	16	656
Monroe	38	23	2	0	25	0	48	2	138
Morgan	52	37	7	0	30	4	34	8	172
Nicholas	151	7	11	0	41	0	59	10	279
Ohio	310	31	7	0	159	1	116	8	632
Pendleton	20	14	2	0	14	0	16	2	68
Pleasants	33	18	0	0	13	0	24	2	90
Pocahontas	57	19	10	0	12	0	27	3	128
Preston	120	19	4	0	53	2	90	10	298
Putnam	196	11	5	0	53	18	120	16	419
Raleigh	514	33	82	0	131	4	150	27	941
Randolph	158	6	55	0	46	7	68	6	346
Ritchie	59	5	0	0	19	0	34	8	125
Roane	118	4	1	0	27	7	37	4	198
Summers	86	10	8	0	25	0	44	4	177
Taylor	103	5	10	1	32	1	48	3	203
Tucker	23	4	3	0	12	0	27	1	70
Tyler	50	4	2	0	17	0	31	0	104
Upshur	123	6	20	0	34	9	59	11	262
Wayne	194	28	11	0	53	4	146	16	452
Webster	61	1	3	0	15	0	35	2	117
Wetzel	93	10	4	0	42	1	51	5	206
Wirt	28	0	0	0	5	0	17	0	50
Wood	485	57	4	0	207	4	221	23	1,001
Wyoming	138	14	13	0	30	2	71	8	276
Total	9,724	1,286	664	10	3,197	338	5,196	563	20,978

2001 West Virginia Resident Deaths

Leading Causes of Death

Exhibit 11



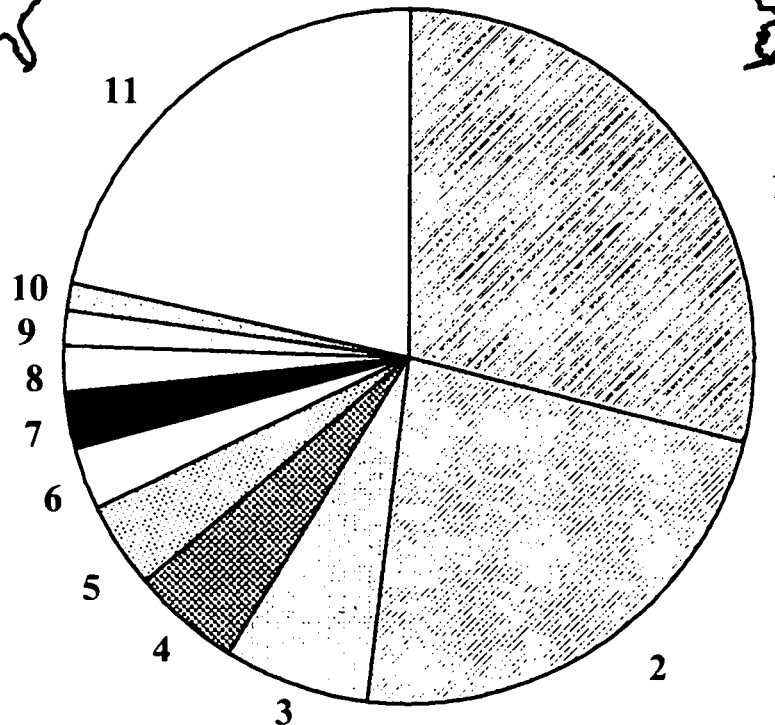
Leading Causes of Death	Number of Deaths	Percent of Total	2001 WV Crude Rate	2001 WV Age-Adjusted Rate*	% Difference from U.S.
1. Diseases of the Heart	6,292	30.0	349.2	299.6	+22.2
2. Malignant Neoplasms	4,680	22.3	259.7	221.0	+14.0
3. Chronic Lower Respiratory Disease	1,290	6.1	71.6	60.5	+39.3
4. Cerebrovascular Disease	1,262	6.0	70.0	60.0	+4.7
5. Accidents	840	4.0	46.6	44.9	+31.1
6. Diabetes Mellitus	807	3.8	44.8	38.3	+53.4
7. Influenza and Pneumonia	489	2.3	27.1	23.4	+7.6
8. Alzheimer's Disease	410	2.0	22.8	19.6	+4.4
9. Nephritis, Nephrotic Syndrome and Nephrosis	391	1.9	21.7	18.5	+32.8
10. Septicemia	343	1.6	19.0	16.4	+45.1
Total for Leading Causes	16,804	80.1	932.6	802.3	+20.7
11. ALL OTHER Causes	4,174	19.9	231.6	206.5	+13.2
Total for All Causes	20,978	100.0	1,164.2	1,008.7	+19.0

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

2001 United States Resident Deaths

Leading Causes of Death

Exhibit 12



Leading Causes of Death*	Number of Deaths	Percent of Total	U.S. Crude Rate
1. Diseases of the Heart	699,697	28.9	245.2
2. Malignant Neoplasms	553,251	22.9	193.9
3. Cerebrovascular Disease	163,601	6.8	57.3
4. Chronic Lower Respiratory Diseases	123,974	5.1	43.5
5. Accidents	97,707	4.0	34.2
6. Diabetes Mellitus	71,252	2.9	25.0
7. Influenza and Pneumonia	62,123	2.6	21.8
8. Alzheimer's Disease	53,679	2.2	18.8
9. Nephritis, Nephrotic Syndrome, and Nephrosis	39,661	1.6	13.9
10. Septicemia	32,275	1.3	11.3
Total for Leading Causes	1,897,220	78.5	665.0
11. ALL OTHER Causes	520,542	21.5	182.4
Total for All Causes	2,417,762	100.0	847.4

*National Vital Statistics Reports. National Center for Health Statistics. Volume 51, Number 55, March 14, 2002.

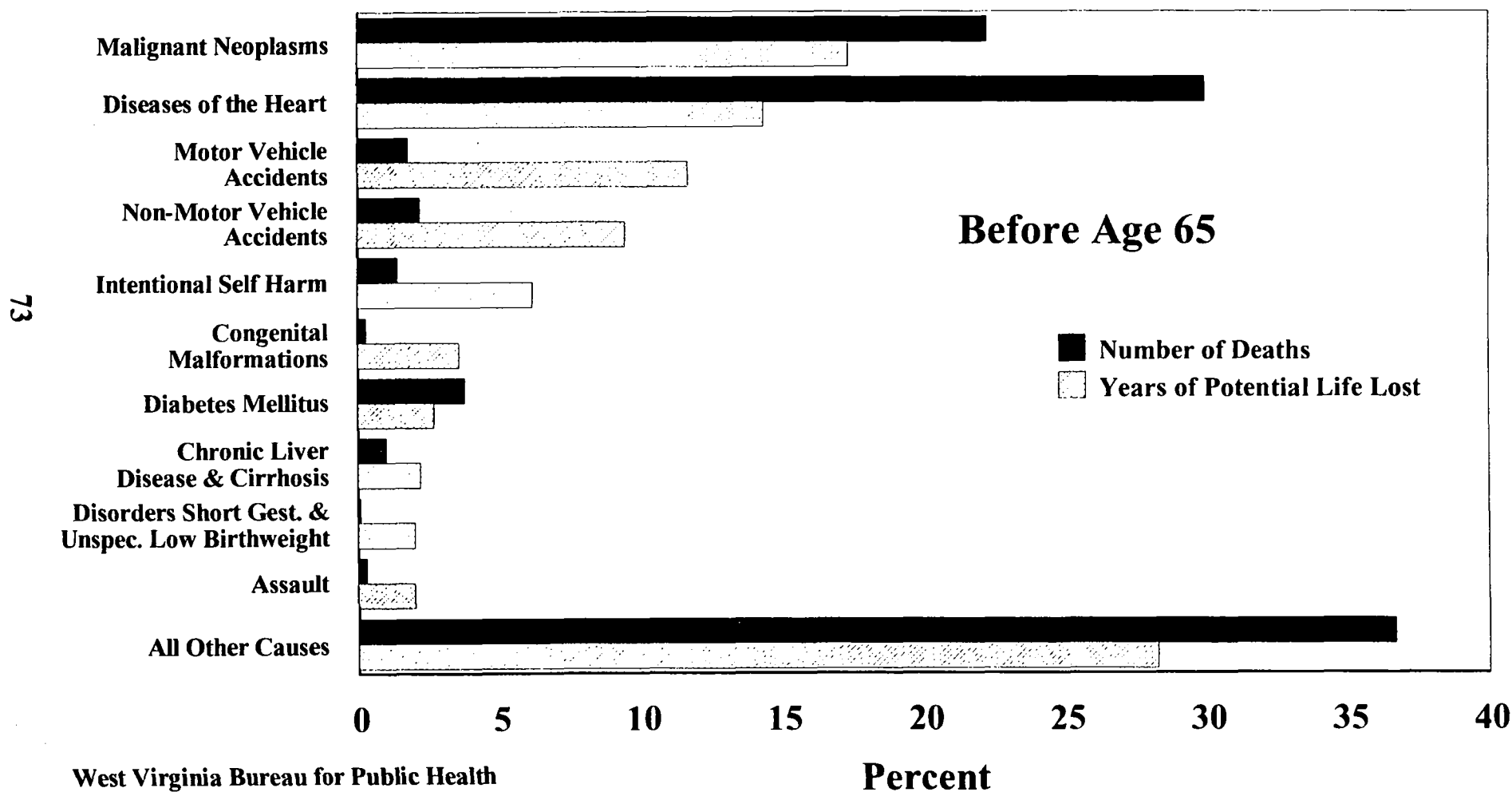
**Number and Percent Distribution of Leading Causes of Death
By Years of Potential Life Lost Before Age 65 and Actual Deaths
West Virginia Residents, 2000 and 2001
Table 30**

Cause of Death	Years of Potential Life Lost Before Age 65				Actual Deaths			
	2001		2000		2001		2000	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Causes	82,124	100.0	82,910	100.0	20,978	100.0	21,127	100.0
Malignant Neoplasms	14,279	17.4	15,189	18.3	4,680	22.3	4,740	22.4
Diseases of the Heart	11,816	14.4	12,139	14.6	6,292	30.0	6,519	30.9
Motor Vehicle Accidents	9,628	11.7	10,587	12.8	368	1.8	386	1.8
Nonmotor Vehicle Accidents	7,785	9.5	5,952	7.2	472	2.2	452	2.1
Intentional Self-Harm	5,067	6.2	5,296	6.4	290	1.4	246	1.2
Congenital Anomalies	2,987	3.6	3,617	4.4	70	0.3	82	0.4
Diabetes Mellitus	2,231	2.7	2,069	2.5	807	3.8	755	3.6
Chronic Liver Disease and Cirrhosis	1,777	2.2	1,964	2.4	215	1.0	254	1.2
Disorders Relating to Short Gestation and Unspecified Low Birthweight	1,677	2.0	1,161	1.4	26	0.1	18	0.1
Assault	1,665	2.0	2,424	2.9	67	0.3	80	0.4
Infectious and Parasitic Diseases, Excluding H.I.V.	1,564	1.9	1,312	1.6	424	2.0	413	2.0
Cerebrovascular Disease	1,504	1.8	1,481	1.8	1,262	6.0	1,271	6.0
Chronic Lower Respiratory Diseases	1,434	1.7	1,657	2.0	1,290	6.1	1,353	6.4
Other Respiratory Conditions of Newborn	1,290	1.6	578	0.7	20	0.1	9	0.0
Sudden Infant Death Syndrome	1,161	1.4	1,419	1.7	18	0.1	22	0.1
Human Immunodeficiency Virus Infection	728	0.9	433	0.5	31	0.1	17	0.1
Influenza and Pneumonia	634	0.8	364	0.4	489	2.3	387	1.8
Alcohol or Drug Psychoses, Dependence or Abuse	502	0.6	577	0.7	39	0.2	44	0.2
Respiratory Distress Syndrome and Birth Asphyxia	258	0.3	1,097	1.3	4	0.0	17	0.1
All Other Causes (Residual)	14,137	17.2	13,597	16.4	4,114	19.6	4,062	19.2

Distribution of Years of Potential Life Lost and Number of Deaths

West Virginia Resident Deaths, 2001

Exhibit 13

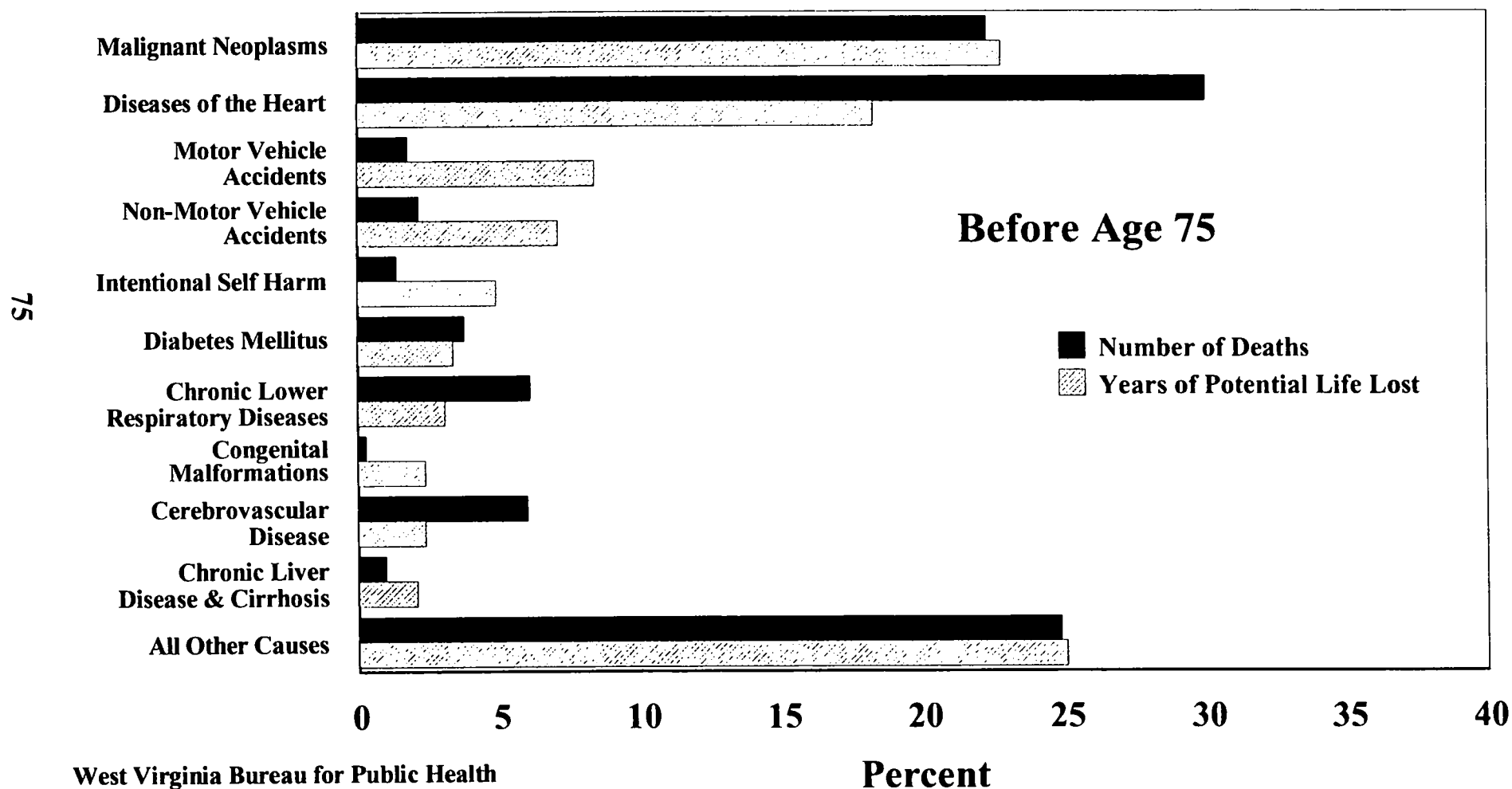


**Number and Percent Distribution of Leading Causes of Death
By Years of Potential Life Lost Before Age 75 and Actual Deaths
West Virginia Residents, 2000 and 2001
Table 31**

Cause of Death	Years of Potential Life Lost Before Age 75				Actual Deaths			
	2001		2000		2001		2000	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Causes	152,199	100.0	153,288	100.0	20,978	100.0	21,127	100.0
Malignant Neoplasms	34,720	22.8	35,568	23.2	4,680	22.3	4,740	22.4
Diseases of the Heart	27,773	18.2	29,085	19.0	6,292	30.0	6,519	30.9
Motor Vehicle Accidents	12,779	8.4	13,870	9.0	368	1.8	386	1.8
Nonmotor Vehicle Accidents	10,833	7.1	8,580	5.6	472	2.2	452	2.1
Intentional Self-Harm	7,439	4.9	7,456	4.9	290	1.4	246	1.2
Diabetes Mellitus	5,206	3.4	4,846	3.2	807	3.8	755	3.6
Chronic Lower Respiratory Diseases	4,722	3.1	5,321	3.5	1,290	6.1	1,353	6.4
Congenital Anomalies	3,617	2.4	4,363	2.8	70	0.3	82	0.4
Cerebrovascular Disease	3,583	2.4	3,796	2.5	1,262	6.0	1,271	6.0
Chronic Liver Disease and Cirrhosis	3,264	2.1	3,762	2.5	215	1.0	254	1.2
Infectious and Parasitic Diseases, Excluding H.I.V.	2,869	1.9	2,548	1.7	424	2.0	413	2.0
Assault	2,250	1.5	3,210	2.1	67	0.3	80	0.4
Disorders Relating to Short Gestation and Unspecified Low Birthweight	1,937	1.3	1,341	0.9	26	0.1	18	0.1
Other Respiratory Conditions of Newborn	1,490	1.0	668	0.4	20	0.1	9	0.0
Influenza and Pneumonia	1,395	0.9	833	0.5	489	2.3	387	1.8
Sudden Infant Death Syndrome	1,341	0.9	1,639	1.1	18	0.1	22	0.1
Human Immunodeficiency Virus Infection	1,037	0.7	603	0.4	31	0.1	17	0.1
Alcohol or Drug Psychoses, Dependence or Abuse	807	0.5	947	0.6	39	0.2	44	0.2
Respiratory Distress Syndrome and Birth Asphyxia	298	0.2	1,267	0.8	4	0.0	17	0.1
All Other Causes (Residual)	24,839	16.3	23,588	15.4	4,114	19.6	4,062	19.2

Distribution of Years of Potential Life Lost and Number of Deaths West Virginia Resident Deaths, 2001

Exhibit 14



Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2001
Table 32

Leading Causes of Death	Total All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	10,143	100.0	10,835	100.0	20,978	100.0
Diseases of the Heart	2,990	29.5	3,302	30.5	6,292	30.0
Malignant Neoplasms	2,396	23.6	2,284	21.1	4,680	22.3
Chronic Lower Respiratory Diseases	617	6.1	673	6.2	1,290	6.1
Cerebrovascular Disease	482	4.8	780	7.2	1,262	6.0
Accidents	570	5.6	270	2.5	840	4.0
Diabetes Mellitus	358	3.5	449	4.1	807	3.8
Influenza and Pneumonia	214	2.1	275	2.5	489	2.3
Alzheimer's Disease	106	1.0	304	2.8	410	2.0
Nephritis, Nephrotic Syndrome, and Nephrosis	179	1.8	212	2.0	391	1.9
Septicemia	145	1.4	198	1.8	343	1.6
Intentional Self-Harm	245	2.4	45	0.4	290	1.4
All Other Causes (Residual)	1,841	18.2	2,043	18.9	3,884	18.5

Leading Causes of Death	Under One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	89	100.0	60	100.0	149	100.0
Congenital Anomalies	19	21.3	11	18.3	30	20.1
Short Gestation and Unspecified Low Birthweight	17	19.1	9	15.0	26	17.4
Sudden Infant Death Syndrome	12	13.5	6	10.0	18	12.1
Maternal Complications of Pregnancy	9	10.1	5	8.3	14	9.4
Complications of Placenta, Cord, and Membranes	4	4.5	2	3.3	6	4.0
Neonatal Hemorrhage	2	2.2	3	5.0	5	3.4
Accidents	5	5.6	0	0.0	5	3.4
Maternal Conditions Which May be Unrelated to Pregnancy	2	2.2	1	1.7	3	2.0
Respiratory Distress Syndrome	2	2.2	1	1.7	3	2.0
Infections Specific to the Perinatal Period	0	0.0	3	5.0	3	2.0
All Other Causes (Residual)	17	19.1	19	31.7	36	24.2

**Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2001
Table 32 (continued)**

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	14	100.0	13	100.0	27	100.0
Accidents	8	57.1	3	23.1	11	40.7
Congenital Anomalies	2	14.3	3	23.1	5	18.5
All Other Causes (Residual)	4	28.6	7	53.8	11	40.7

Leading Causes of Death	Five to Nine Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	10	100.0	8	100.0	18	100.0
Accidents	6	60.0	3	37.5	9	50.0
All Other Causes (Residual)	4	40.0	5	62.5	9	50.0

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	9	100.0	10	100.0	19	100.0
Accidents	4	44.4	4	40.0	8	42.1
Malignant Neoplasms	0	0.0	3	30.0	3	15.8
All Other Causes (Residual)	5	55.6	3	30.0	8	42.1

Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2001
Table 32 (continued)

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	139	100.0	68	100.0	207	100.0
Accidents	87	62.6	36	52.9	123	59.4
Intentional Self-Harm	18	12.9	2	2.9	20	9.7
Assault	7	5.0	4	5.9	11	5.3
Malignant Neoplasms	5	3.6	0	0.0	5	2.4
Congenital Anomalies	3	2.2	2	2.9	5	2.4
Diseases of the Heart	2	1.4	1	1.5	3	1.4
All Other Causes (Residual)	17	12.2	23	33.8	40	19.3

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	191	100.0	94	100.0	285	100.0
Accidents	84	44.0	25	26.6	109	38.2
Intentional Self-Harm	37	19.4	5	5.3	42	14.7
Malignant Neoplasms	12	6.3	10	10.6	22	7.7
Diseases of the Heart	11	5.8	7	7.4	18	6.3
Assault	8	4.2	3	3.2	11	3.9
Congenital Anomalies	2	1.0	5	5.3	7	2.5
Septicemia	3	1.6	2	2.1	5	1.8
Human Immunodeficiency Virus Infection	2	1.0	3	3.2	5	1.8
Diabetes Mellitus	2	1.0	2	2.1	4	1.4
Cerebrovascular Disease	1	0.5	3	3.2	4	1.4
Hypertension	2	1.0	1	1.1	3	1.1
All Other Causes (Residual)	27	14.1	28	29.8	55	19.3

Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2001
Table 32 (continued)

Leading Causes of Death	Thirty-Five to Forty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	448	100.0	266	100.0	714	100.0
Accidents	102	22.8	43	16.2	145	20.3
Malignant Neoplasms	58	12.9	77	28.9	135	18.9
Diseases of the Heart	81	18.1	28	10.5	109	15.3
Intentional Self-Harm	44	9.8	18	6.8	62	8.7
Chronic Liver Disease and Cirrhosis	22	4.9	11	4.1	33	4.6
Diabetes Mellitus	22	4.9	7	2.6	29	4.1
Cerebrovascular Disease	11	2.5	6	2.3	17	2.4
Human Immunodeficiency Virus Infection	13	2.9	3	1.1	16	2.2
Assault	6	1.3	8	3.0	14	2.0
Septicemia	5	1.1	4	1.5	9	1.3
Influenza and Pneumonia	7	1.6	2	0.8	9	1.3
All Other Causes (Residual)	77	17.2	59	22.2	136	19.0

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	929	100.0	457	100.0	1,386	100.0
Malignant Neoplasms	205	22.1	189	41.4	394	28.4
Diseases of the Heart	273	29.4	80	17.5	353	25.5
Accidents	96	10.3	19	4.2	115	8.3
Intentional Self-Harm	47	5.1	12	2.6	59	4.3
Diabetes Mellitus	30	3.2	25	5.5	55	4.0
Chronic Liver Disease and Cirrhosis	41	4.4	9	2.0	50	3.6
Chronic Lower Respiratory Diseases	31	3.3	15	3.3	46	3.3
Cerebrovascular Disease	28	3.0	11	2.4	39	2.8
Nephritis, Nephrotic Syndrome, and Nephrosis	8	0.9	9	2.0	17	1.2
Septicemia	9	1.0	7	1.5	16	1.2
Influenza and Pneumonia	7	0.8	6	1.3	13	0.9
All Other Causes (Residual)	154	16.6	75	16.4	229	16.5

Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2001
Table 32 (continued)

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,290	100.0	900	100.0	2,190	100.0
Malignant Neoplasms	436	33.8	355	39.4	791	36.1
Diseases of the Heart	385	29.8	214	23.8	599	27.4
Chronic Lower Respiratory Diseases	56	4.3	73	8.1	129	5.9
Diabetes Mellitus	64	5.0	41	4.6	105	4.8
Accidents	46	3.6	20	2.2	66	3.0
Cerebrovascular Disease	38	2.9	26	2.9	64	2.9
Chronic Liver Disease and Cirrhosis	24	1.9	12	1.3	36	1.6
Nephritis, Nephrotic Syndrome, and Nephrosis	19	1.5	15	1.7	34	1.6
Intentional Self-Harm	31	2.4	2	0.2	33	1.5
Septicemia	11	0.9	17	1.9	28	1.3
Influenza and Pneumonia	13	1.0	13	1.4	26	1.2
All Other Causes (Residual)	167	12.9	112	12.4	279	12.7

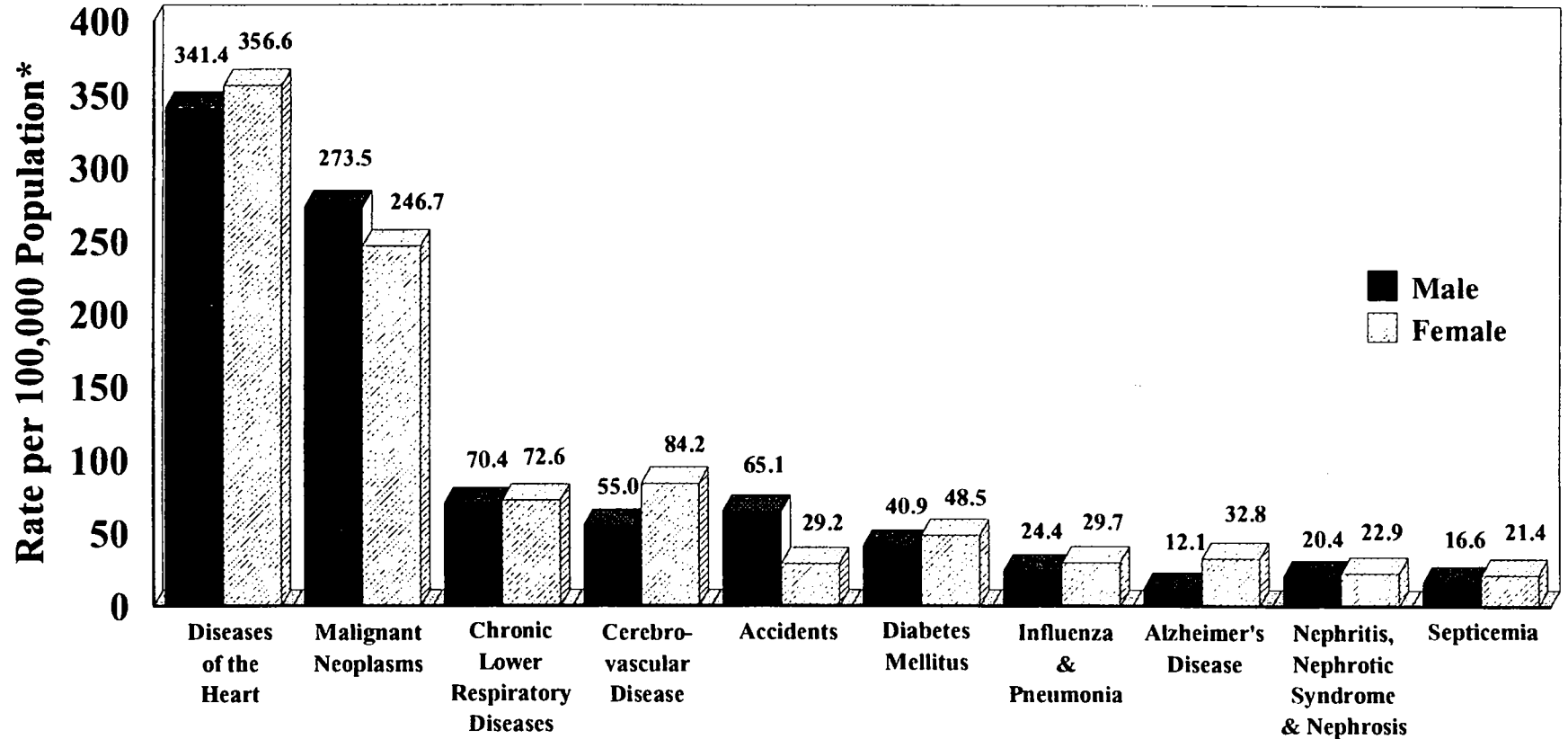
Leading Causes of Death	Sixty-Five to Seventy-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,273	100.0	1,835	100.0	4,108	100.0
Malignant Neoplasms	748	32.9	609	33.2	1,357	33.0
Diseases of the Heart	600	26.4	471	25.7	1,071	26.1
Chronic Lower Respiratory Diseases	167	7.3	151	8.2	318	7.7
Diabetes Mellitus	105	4.6	100	5.4	205	5.0
Cerebrovascular Disease	94	4.1	86	4.7	180	4.4
Nephritis, Nephrotic Syndrome, and Nephrosis	43	1.9	40	2.2	83	2.0
Septicemia	31	1.4	29	1.6	60	1.5
Accidents	43	1.9	16	0.9	59	1.4
Influenza and Pneumonia	26	1.1	30	1.6	56	1.4
Chronic Liver Disease and Cirrhosis	29	1.3	23	1.3	52	1.3
Intentional Self-Harm	34	1.5	2	0.1	36	0.9
All Other Causes (Residual)	353	15.5	278	15.1	631	15.4

Leading Causes of Resident Deaths by Age Group and Gender
West Virginia, 2001
Table 32 (continued)

Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	3,004	100.0	3,287	100.0	6,291	100.0
Diseases of the Heart	990	33.0	1,006	30.6	1,996	31.7
Malignant Neoplasms	689	22.9	675	20.5	1,364	21.7
Chronic Lower Respiratory Diseases	226	7.5	260	7.9	486	7.7
Cerebrovascular Disease	200	6.7	282	8.6	482	7.7
Diabetes Mellitus	89	3.0	155	4.7	244	3.9
Influenza and Pneumonia	86	2.9	71	2.2	157	2.5
Nephritis, Nephrotic Syndrome, and Nephrosis	65	2.2	67	2.0	132	2.1
Septicemia	59	2.0	67	2.0	126	2.0
Alzheimer's Disease	41	1.4	84	2.6	125	2.0
Accidents	53	1.8	44	1.3	97	1.5
Hypertension	15	0.5	39	1.2	54	0.9
All Other Causes (Residual)	491	16.3	537	16.3	1,028	16.3

Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,747	100.0	3,837	100.0	5,584	100.0
Diseases of the Heart	648	37.1	1,492	38.9	2,140	38.3
Malignant Neoplasms	242	13.9	366	9.5	608	10.9
Cerebrovascular Disease	110	6.3	364	9.5	474	8.5
Chronic Lower Respiratory Diseases	133	7.6	171	4.5	304	5.4
Alzheimer's Disease	54	3.1	199	5.2	253	4.5
Influenza and Pneumonia	73	4.2	153	4.0	226	4.0
Diabetes Mellitus	45	2.6	118	3.1	163	2.9
Nephritis, Nephrotic Syndrome, and Nephrosis	43	2.5	80	2.1	123	2.2
Septicemia	25	1.4	70	1.8	95	1.7
Accidents	36	2.1	57	1.5	93	1.7
Atherosclerosis	13	0.7	56	1.5	69	1.2
All Other Causes (Residual)	325	18.6	711	18.5	1,036	18.6

2001 Ten Leading Causes of Death West Virginia Resident Deaths Exhibit 15



*Rates are calculated using the 2001 Census population estimates for WV: Males = 876,045; Females = 925,871.

West Virginia Bureau for Public Health
Health Statistics Center, 2003

**Firearm Injury Deaths by Type of Injury by County
West Virginia, 2001
Table 33**

County	Unintentional	Intentional			Undetermined	Total
		Suicide	Assault	Legal Intervention		
Barbour	0	2	2	0	0	4
Berkeley	0	11	2	0	0	13
Boone	0	2	1	0	0	3
Braxton	0	2	0	0	0	2
Brooke	0	3	0	0	0	3
Cabell	0	8	1	0	0	9
Calhoun	0	2	0	0	0	2
Clay	0	3	0	0	0	3
Doddridge	0	2	0	0	0	2
Fayette	0	3	2	0	0	5
Gilmer	0	0	0	0	0	0
Grant	0	1	1	0	0	2
Greenbrier	0	7	2	1	0	10
Hampshire	2	1	1	0	0	4
Hancock	0	2	0	0	0	2
Hardy	0	4	1	0	0	5
Harrison	2	6	0	0	1	9
Jackson	0	4	0	0	0	4
Jefferson	0	2	0	0	0	2
Kanawha	0	23	4	0	0	27
Lewis	0	3	0	0	0	3
Lincoln	0	2	0	0	0	2
Logan	0	4	0	0	0	4
McDowell	0	5	5	1	0	11
Marion	0	6	0	0	0	6
Marshall	0	1	0	0	0	1
Mason	1	4	1	0	0	6
Mercer	0	12	2	0	0	14
Mineral	1	2	0	0	0	3
Mingo	0	3	0	0	0	3
Monongalia	1	8	0	0	0	9
Monroe	0	0	0	0	0	0
Morgan	0	1	0	0	0	1
Nicholas	0	5	1	0	0	6
Ohio	0	1	1	0	0	2
Pendleton	0	1	0	0	0	1
Pleasants	0	2	1	0	0	3
Pocahontas	0	3	1	0	0	4
Preston	0	6	0	0	0	6
Putnam	0	5	2	0	0	7
Raleigh	0	12	1	0	0	13
Randolph	0	1	0	0	0	1
Ritchie	0	1	2	0	0	3
Roane	0	3	0	0	0	3
Summers	0	2	0	0	0	2
Taylor	0	1	0	0	0	1
Tucker	0	2	0	0	0	2
Tyler	0	1	0	0	0	1
Upshur	2	6	0	0	0	8
Wayne	0	1	0	0	0	1
Webster	0	2	0	0	0	2
Wetzel	0	2	0	0	1	3
Wirt	0	0	0	0	0	0
Wood	0	7	0	0	0	7
Wyoming	0	4	1	1	0	6
Total	9	207	35	3	2	256

West Virginia Bureau for Public Health
Health Statistics Center, 2003

Types of Firearm Injury Deaths by Age Group and Gender
West Virginia Residents, 2001
Table 34

	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	2	1	0	2	2	1	1	0	9
Suicide	0	0	6	6	31	35	40	23	33	33	207
Assault	0	1	4	4	9	6	5	2	1	3	35
Legal Intervention	0	0	0	1	1	0	1	0	0	0	3
Undetermined	0	0	0	0	1	1	0	0	0	0	2
Total	0	1	12	12	42	44	48	26	35	36	256
Male											
Unintentional	0	0	2	1	0	2	2	1	1	0	9
Suicide	0	0	5	6	29	27	33	22	31	29	182
Assault	0	1	2	3	7	2	3	0	1	2	21
Legal Intervention	0	0	0	1	1	0	1	0	0	0	3
Undetermined	0	0	0	0	1	0	0	0	0	0	1
Total	0	1	9	11	38	31	39	23	33	31	216
Female											
Unintentional	0	0	0	0	0	0	0	0	0	0	0
Suicide	0	0	1	0	2	8	7	1	2	4	25
Assault	0	0	2	1	2	4	2	2	0	1	14
Legal Intervention	0	0	0	0	0	0	0	0	0	0	0
Undetermined	0	0	0	0	0	1	0	0	0	0	1
Total	0	0	3	1	4	13	9	3	2	5	40

**Nontransport Unintentional Injury Deaths by
Place of Occurrence and Gender
West Virginia Residents, 2001
Table 35**

Place of Occurrence	Male	Female	Total
Home	126	66	192
Mine and Quarry	8	0	8
Industrial Places	3	0	3
Recreational Places	3	0	3
Street and Highway	3	0	3
Other Specified Places	93	38	131
Unspecified Places	52	41	93
Total	288	145	433

West Virginia Bureau for Public Health
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Fetal Deaths, Neonatal Deaths, and Postneonatal Deaths: Number and Rate/Ratio West Virginia Resident Deaths, 1925-2001

Table 36

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

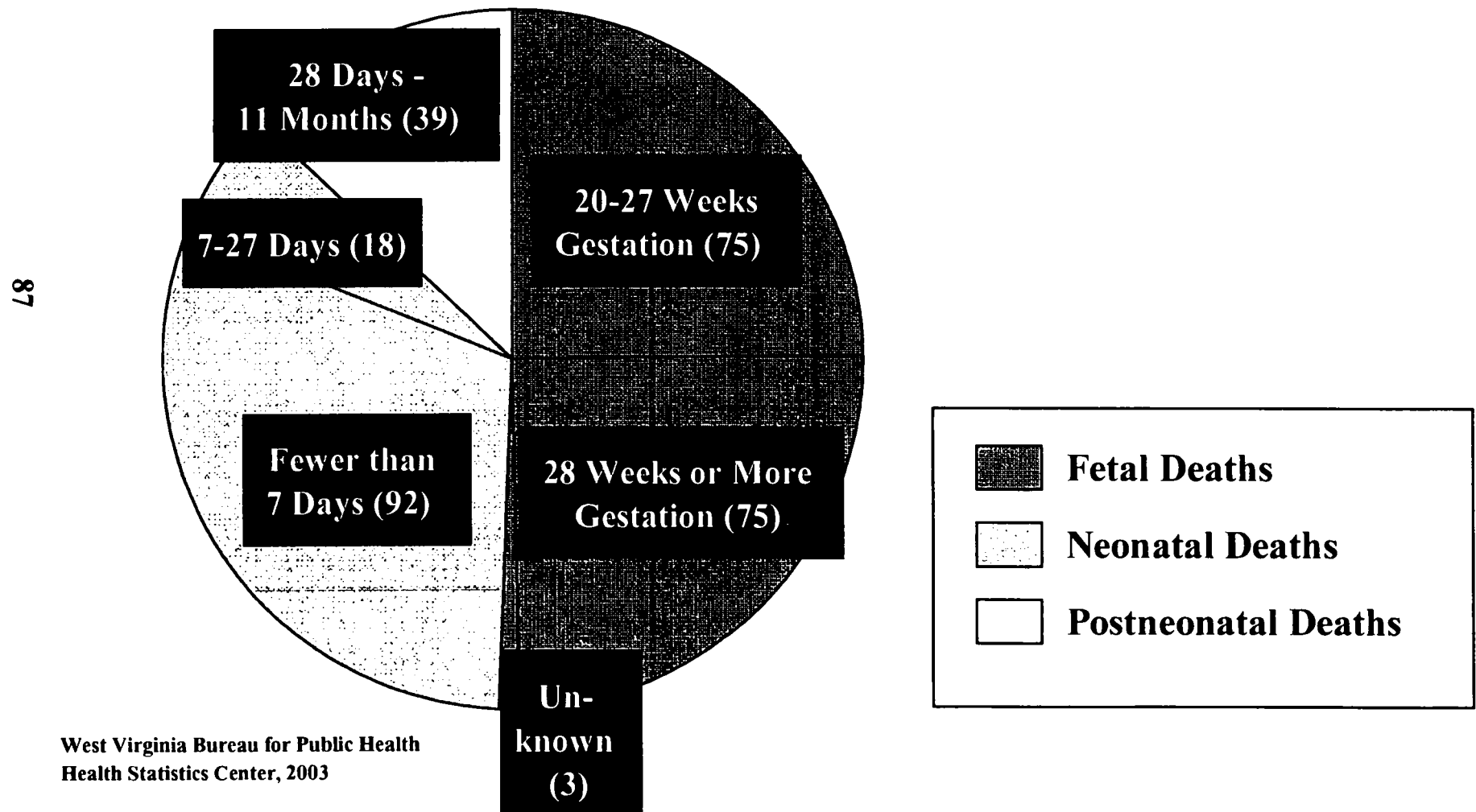
*Neonatal survivors are live births minus neonatal deaths.

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Fetal Deaths, Neonatal Deaths, and Postneonatal Deaths

West Virginia Resident Perinatal Deaths, 2001

Exhibit 16



**Causes of Resident Infant Deaths by Age
West Virginia, 2001
Table 37**

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	74	18	18	39	149
D00-D48	Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Unspecified Nature	0	0	0	1	1
Q00-Q99	Congenital Anomalies (Malformations)	13	10	1	6	30
Q00	Anencephalus and Similar Anomalies	2	0	0	0	2
Q01-Q04, Q06-Q07 Q03	Other Congenital Anomalies of Nervous System	1	0	0	0	1
Q03	Congenital Hydrocephalus	1	0	0	0	1
Q20-Q24	Congenital Anomalies of Heart	0	5	0	3	8
Q25-Q28	Other Congenital Anomalies of Circulatory System	0	0	0	1	1
Q30-Q34	Congenital Anomalies of Respiratory System	3	0	0	0	3
Q35-Q45	Congenital Anomalies of Digestive System	0	2	0	1	3
Q50-Q64	Congenital Anomalies of Genitourinary System	2	0	0	0	2
Q65-Q79	Congenital Anomalies of Musculoskeletal System	1	2	1	0	4
Q90-Q99	Chromosomal Anomalies	2	0	0	0	2
Q80-Q89	Other and Unspecified Congenital Anomalies	2	1	0	1	4
P00-P96	Certain Conditions Originating in the Perinatal Period	61	8	11	8	88
P00	Newborn Affected by Maternal Conditions Which May Be Unrelated to Present Pregnancy	1	0	1	1	3
P01	Newborn Affected by Maternal Complications of Pregnancy	14	0	0	0	14
P02	Newborn Affected by Complications of Placenta, Cord, and Membranes	5	0	0	1	6
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	25	1	0	0	26
P20-P21	Intrauterine Hypoxia and Birth Asphyxia	0	1	0	0	1
P21	Birth Asphyxia	0	1	0	0	1
P22.0	Respiratory Distress Syndrome	2	0	1	0	3
P35-P39	Infections Specific to the Perinatal Period	0	0	2	1	3
P50-P54	Neonatal Hemorrhage	1	2	2	0	5
P70-P74	Endocrine and Metabolic Disturbances Specific to Newborn	1	0	1	0	2
P90-P96	Other Disorders Originating in Perinatal Period	0	0	1	1	2
R00-R99	Symptoms, Signs, and Ill-Defined Conditions	0	0	5	14	19
R95	Sudden Infant Death Syndrome	0	0	4	14	18
V01-Y98	External Causes of Injury and Poisoning	0	0	1	9	10
V01-X59, Y40-Y86,Y88 *	Accidents	0	0	0	5	5
W65-W84	Motor Vehicle Crashes	0	0	0	2	2
	Accidents Caused by Submersion, Suffocation, and Foreign Bodies	0	0	0	2	2
Residual	All Other Causes (Residual)	0	0	0	1	1

* See Appendix B for the codes that constitute Motor Vehicle Crashes.

Causes of Resident Infant Deaths by Birthweight West Virginia, 2001 Table 38

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	81	20	43	5	149
D00-D48	Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Unspecified Nature	0	0	1	0	1
Q00-Q99	Congenital Anomalies	12	9	8	1	30
Q00	Anencephalus and Similar Anomalies	2	0	0	0	2
Q01-Q04, Q06-Q07 Q03	Other Congenital Anomalies of Nervous System	1	0	0	0	1
Q20-Q24	Congenital Hydrocephalus	1	0	0	0	1
Q25-Q28	Congenital Anomalies of Heart	1	3	4	0	8
Q30-Q34	Other Congenital Anomalies of Circulatory System	0	0	1	0	1
Q35-Q45	Congenital Anomalies of Respiratory System	1	2	0	0	3
Q50-Q64	Congenital Anomalies of Digestive System	0	2	1	0	3
Q65-Q79	Congenital Anomalies of Genitourinary System	2	0	0	0	2
Q80-Q89	Congenital Anomalies of Musculoskeletal System	1	0	2	1	4
P00-P96	Chromosomal Anomalies	1	1	0	0	2
P00	Other and Unspecified Congenital Anomalies	3	1	0	0	4
P01	Certain Conditions Originating in the Perinatal Period	66	6	14	2	88
P02	Newborn Affected by Maternal Conditions Which May Be Unrelated to Present Pregnancy	3	0	0	0	3
P03	Newborn Affected by Maternal Complications of Pregnancy	13	0	1	0	14
P07	Newborn Affected by Complications of Placenta, Cord, and Membranes	3	1	2	0	6
P20-P21	Newborn Affected by Other Complications of Labor and Delivery	1	0	0	0	1
P21	Disorders Relating to Short Gestation and Unspecified Low Birthweight	23	2	1	0	26
P22.0	Intrauterine Hypoxia and Birth Asphyxia	0	0	1	0	1
P35-P39	Birth Asphyxia	0	0	1	0	1
P50-P54	Respiratory Distress Syndrome	3	0	0	0	3
P70-P74	Infections Specific to the Perinatal Period	0	1	2	0	3
P95-P96	Neonatal Hemorrhage	3	1	1	0	5
R00-R99	Endocrine and Metabolic Disturbances Specific to Newborn	0	0	2	0	2
R95	Other Disorders Originating in Perinatal Period	1	0	1	0	2
V01-Y98	Symptoms, Signs, and Ill-Defined Conditions	1	4	13	1	19
V01-X59, Y40-Y86,Y88 *	Sudden Infant Death Syndrome	0	4	13	1	18
W65-W84	External Causes of Injury and Poisoning	1	1	7	1	10
Residual	Accidents	0	0	4	1	5
	Motor Vehicle Injuries	0	0	1	1	2
	Accidents Caused by Submersion, Suffocation, and Foreign Bodies	0	0	2	0	2
	All Other Causes (Residual)	1	0	0	0	1

* See Appendix B for the codes that constitute Motor Vehicle Crashes.

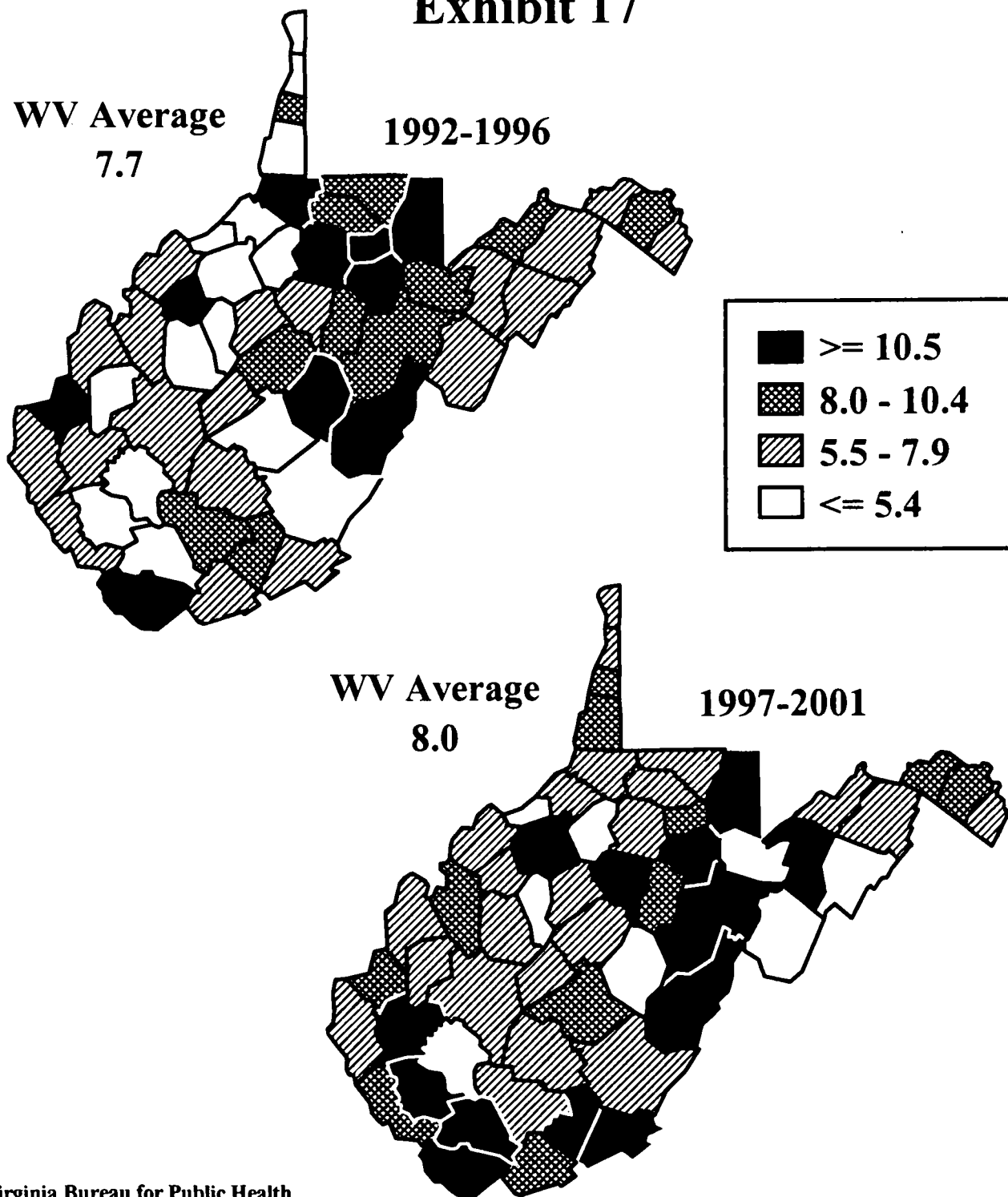
**Infant Deaths and Selected Risk Factors
Associated with Infant Deaths
West Virginia Residents, 2001
Table 39**

Factor	Births		Infant Deaths	
	Number	Percent	Number	Percent
Total	20,430		149	
Birthweight < 2,500 Grams	1,804	8.8	101	67.8
Birthweight < 1,500 Grams	332	1.6	81	54.4
Gestational Age < 37 Weeks	2,284	11.2	101	67.8
Age of Mother < 20 Years	2,669	13.1	24	16.1
Age of Mother < 15 Years	28	0.1	0	0.0
Unmarried Mothers	6,611	32.4	55	36.9
Mothers Using Tobacco	5,414	26.5	54	36.2
Mothers Using Alcohol	84	0.4	1	0.7
White Mothers	19,577	95.8	142	95.3
Black Mothers	698	3.4	7	4.7
Mothers of Other Races	155	0.8	0	0.0

West Virginia Bureau for Public Health
Health Statistics Center, 2003

Resident Infant Death Rates by County West Virginia, 1992-1996 and 1997-2001

Exhibit 17



**Number and Rate of Resident Infant Deaths by County
West Virginia, 1997-2001
Table 40**

County	1997		1998		1999		2000		2001	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Barbour	1	6.2	3	18.9	1	5.4	3	21.4	2	12.0
Berkeley	7	7.2	9	9.4	11	10.9	8	7.4	8	7.5
Boone	0	0.0	2	7.1	1	3.2	3	8.1	0	0.0
Braxton	3	19.4	0	0.0	1	6.3	1	6.4	1	7.0
Brooke	3	12.0	1	4.0	0	0.0	2	7.6	3	12.4
Cabell	16	14.5	10	8.5	11	9.7	6	5.0	12	10.1
Calhoun	1	12.7	1	13.3	0	0.0	0	0.0	0	0.0
Clay	1	8.9	1	7.3	1	7.2	1	8.7	0	0.0
Doddridge	1	13.2	0	0.0	0	0.0	1	14.5	0	0.0
Fayette	3	5.3	3	5.2	3	5.3	6	10.5	4	7.1
Gilmer	0	0.0	1	13.9	1	12.5	0	0.0	0	0.0
Grant	2	15.4	1	6.5	1	7.7	4	26.8	2	15.6
Greenbrier	3	7.7	3	7.6	2	5.2	3	7.8	2	5.5
Hampshire	1	4.1	1	5.0	2	7.9	1	4.3	3	14.1
Hancock	1	3.1	3	9.4	5	14.4	2	5.8	2	6.1
Hardy	0	0.0	2	12.5	0	0.0	1	6.7	0	0.0
Harrison	12	14.8	8	9.8	4	4.8	4	5.1	3	3.8
Jackson	2	6.2	1	3.1	5	16.6	5	13.6	1	3.0
Jefferson	4	8.5	6	11.6	2	3.7	2	3.4	5	8.8
Kanawha	11	4.4	13	5.3	9	3.6	18	7.5	17	7.4
Lewis	3	15.2	2	10.2	2	11.2	4	20.8	1	4.8
Lincoln	3	9.8	0	0.0	3	11.4	8	29.4	7	27.9
Logan	7	14.6	10	22.3	9	20.3	3	6.0	7	15.1
McDowell	6	17.4	2	5.8	5	14.8	5	15.8	2	6.9
Marion	3	4.6	3	4.9	8	13.6	4	6.7	2	3.4
Marshall	6	16.3	5	14.2	0	0.0	3	8.2	3	8.2
Mason	3	10.6	3	10.5	1	3.2	3	9.7	0	0.0
Mercer	10	12.0	9	11.2	5	6.7	3	3.8	4	5.5
Mineral	4	13.5	1	3.3	2	6.8	2	6.5	2	6.1
Mingo	5	11.4	3	7.6	1	2.5	2	5.5	5	13.3
Monongalia	7	8.8	3	3.5	10	12.1	2	2.3	1	1.2
Monroe	3	22.2	1	8.2	2	14.9	0	0.0	1	7.0
Morgan	2	13.2	1	6.6	1	6.7	1	6.8	2	13.5
Nicholas	3	11.7	5	18.1	2	7.5	2	7.0	2	7.8
Ohio	3	5.6	4	7.4	4	7.7	6	12.6	6	11.9
Pendleton	1	12.2	0	0.0	0	0.0	1	13.2	0	0.0
Pleasants	1	13.7	0	0.0	1	10.3	0	0.0	0	0.0
Pocahontas	1	11.9	3	31.6	0	0.0	1	12.5	1	12.8
Preston	3	9.9	6	19.5	1	3.3	4	14.4	5	17.6
Putnam	3	5.1	2	3.4	3	4.8	3	5.1	8	12.6
Raleigh	7	7.9	7	8.0	8	9.2	6	6.8	4	4.6
Randolph	3	9.6	5	17.3	4	11.6	4	12.4	1	3.3
Ritchie	0	0.0	4	34.2	1	12.7	0	0.0	1	8.5
Roane	3	19.6	0	0.0	0	0.0	2	11.6	0	0.0
Summers	4	30.1	0	0.0	4	40.0	1	7.4	1	10.3
Taylor	2	12.0	1	6.3	1	6.1	2	12.6	2	13.5
Tucker	0	0.0	0	0.0	1	13.0	0	0.0	0	0.0
Tyler	0	0.0	1	13.0	2	17.7	0	0.0	0	0.0
Upshur	4	15.5	2	8.2	2	7.8	1	4.0	3	10.3
Wayne	7	14.9	3	6.1	3	5.7	3	6.1	2	4.0
Webster	1	11.0	0	0.0	0	0.0	1	9.4	0	0.0
Wetzel	2	9.6	2	8.3	2	10.4	1	4.9	0	0.0
Wirt	0	0.0	1	12.8	0	0.0	0	0.0	1	23.3
Wood	10	9.8	6	5.6	7	7.2	6	5.8	8	7.9
Wyoming	5	15.6	3	10.1	2	6.9	4	14.7	2	7.1
Total	197	9.5	167	8.1	157	7.6	159	7.6	149	7.3

* Number of infant deaths per 1,000 live births

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Causes of Resident Fetal Deaths

West Virginia, 1997-2001

Table 41

ICDA 10 Code	Cause of Death	1997	1998	1999	2000	2001
P00-Q99,R99	Total Fetal Deaths, All Causes	138	125	142	142	153
P00-P96	Conditions Originating in the Perinatal Period	115	114	122	124	130
P00	Maternal conditions unrelated to present pregnancy	8	9	6	4	1
P00.2	Maternal infections	0	1	0	0	0
P00.5	Maternal injury	1	2	1	2	0
P01.8	Other specified maternal conditions	0	0	3	0	0
P01	Fetus affected by maternal complications of pregnancy	12	12	14	14	18
P01.0	Incompetent cervix	6	0	3	3	4
P01.1	Other forms of placental separation and hemorrhage	13	10	3	7	8
P01.2	Oligohydramnios	1	3	0	1	0
P01.4	Ectopic pregnancy	0	0	0	0	1
P01.5	Multiple pregnancy	1	2	5	3	4
P01.8	Other specified conditions	0	0	3	0	0
P02	Complications of placenta, cord, and membranes	48	38	47	46	58
P02.1	Premature rupture of membranes	4	7	21	15	24
P02.2	Unspecified abnormalities of placenta	4	1	2	4	5
P02.3	Placenta transfusion syndrome	2	5	1	0	0
P02.4	Prolapsed cord	2	1	0	1	0
P02.5	Other compression of umbilical cord	23	17	21	22	25
P02.6	Unspecified conditions of umbilical cord	3	1	0	0	1
P02.7	Chorionamnionitis	1	3	1	4	2
P03	Other complications of labor and delivery	5	7	2	0	0
P07	Short gestation and unspecified low birthweight	7	8	9	7	2
P07.2	Extreme prematurity	3	4	5	5	1
P07.3	Other preterm infants	4	4	4	2	1
P20-P21	Intrauterine hypoxia and birth asphyxia	1	2	5	4	2
P28	Other respiratory conditions	1	0	0	0	0
P35-P39	Infections specific to perinatal period	2	0	0	0	2
P55.0-P55.1	Hemolytic disease of fetus, due to isoimmunization	0	0	1	0	0
P70-P74	Endocrine and metabolic disturbances	0	0	2	0	2
P70.0-P70.2	Syndrome of "infant of a diabetic mother"	0	0	2	0	2
P80-P83	Integument and temperature regulation	1	2	2	0	2
P90-P96	Other and ill-defined conditions	30	36	30	45	39
P90-P96.8	Other specified conditions originating in the perinatal period	3	3	30	43	35
P96.9	Unspecified conditions originating in the perinatal period	25	33	0	2	4
Q00-Q99	Congenital Anomalies	21	10	19	16	15
Q00	Anencephalus	5	2	1	5	2
Q01-Q04,Q06-Q07	Other anomalies of nervous system	0	0	1	2	0
Q20-Q24	Anomalies of heart	1	2	1	3	1
Q30-Q34	Anomalies of respiratory system	1	0	0	0	0
Q50-Q64	Anomalies of genitourinary system	1	2	2	0	2
Q65-Q79	Musculoskeletal anomalies	0	0	1	2	1
Q90-Q99	Chromosomal anomalies	5	3	8	0	5
Q90	Down's Syndrome	2	0	2	0	1
Q80-Q89	Other and unspecified congenital anomalies	8	1	5	4	4
Q87	Multiple congenital anomalies	3	0	0	0	0
Q99	Congenital anomaly, unspecified	4	1	1	0	0
R99	Residual - All Other Causes and Unknown	2	1	1	2	8

Number and Ratio of Resident Fetal Deaths by County
West Virginia, 1997-2001
Table 42

County	1997		1998		1999		2000		2001	
	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*
Barbour	1	6.2	1	6.3	0	0.0	4	28.6	2	12.0
Berkeley	5	5.2	5	5.2	4	4.0	6	5.6	8	7.5
Boone	3	8.4	5	17.8	4	13.0	4	10.8	6	17.9
Braxton	2	12.9	1	6.2	0	0.0	0	0.0	0	0.0
Brooke	3	12.0	1	4.0	4	16.5	3	11.4	1	4.1
Cabell	8	7.2	5	4.3	7	6.2	9	7.6	7	5.9
Calhoun	0	0.0	0	0.0	0	0.0	0	0.0	3	38.5
Clay	0	0.0	2	14.6	1	7.2	6	52.2	0	0.0
Doddridge	0	0.0	0	0.0	1	11.0	0	0.0	1	14.7
Fayette	2	3.6	3	5.2	6	10.6	3	5.2	6	10.7
Gilmer	0	0.0	0	0.0	3	37.5	0	0.0	0	0.0
Grant	0	0.0	2	12.9	1	7.7	1	6.7	0	0.0
Greenbrier	2	5.2	3	7.6	4	10.5	0	0.0	2	5.5
Hampshire	2	8.3	0	0.0	0	0.0	0	0.0	0	0.0
Hancock	2	6.1	1	3.1	3	8.6	2	5.8	2	6.1
Hardy	1	7.8	0	0.0	1	6.9	0	0.0	0	0.0
Harrison	2	2.5	5	6.2	10	11.9	2	2.6	1	1.3
Jackson	2	6.2	5	15.7	4	13.2	3	8.2	6	17.9
Jefferson	3	6.4	2	3.9	1	1.9	2	3.4	6	10.6
Kanawha	17	6.9	7	2.9	17	6.8	17	7.1	19	8.2
Lewis	0	0.0	1	5.1	0	0.0	1	5.2	1	4.8
Lincoln	2	6.5	1	3.7	1	3.8	1	3.7	0	0.0
Logan	11	22.9	6	13.4	4	9.0	5	9.9	4	8.6
McDowell	3	8.7	5	14.5	0	0.0	2	6.3	1	3.4
Marion	5	7.7	7	11.5	5	8.5	6	10.1	3	5.0
Marshall	2	5.4	2	5.7	2	5.8	2	5.4	2	5.5
Mason	0	0.0	1	3.5	3	9.6	2	6.5	3	11.0
Mercer	4	4.8	2	2.5	4	5.4	3	3.8	4	5.5
Mineral	1	3.4	1	3.3	1	3.4	0	0.0	2	6.1
Mingo	5	11.4	2	5.1	3	7.4	3	8.3	3	8.0
Monongalia	0	0.0	9	10.6	4	4.8	8	9.3	6	7.0
Monroe	0	0.0	0	0.0	2	14.9	2	15.2	0	0.0
Morgan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nicholas	6	23.3	5	18.1	0	0.0	2	7.0	1	3.9
Ohio	3	5.6	1	1.8	4	7.7	6	12.6	7	13.8
Pendleton	1	12.2	0	0.0	0	0.0	0	0.0	0	0.0
Pleasants	0	0.0	0	0.0	2	20.6	0	0.0	1	11.0
Pocahontas	0	0.0	1	10.5	0	0.0	0	0.0	0	0.0
Preston	1	3.3	0	0.0	3	9.9	3	10.8	1	3.5
Putnam	3	5.1	2	3.4	4	6.4	8	13.7	5	7.8
Raleigh	9	10.1	5	5.7	6	6.9	9	10.3	11	12.6
Randolph	1	3.2	2	6.9	2	5.8	2	6.2	3	9.9
Ritchie	0	0.0	1	8.5	0	0.0	0	0.0	0	0.0
Roane	0	0.0	2	11.8	3	17.4	0	0.0	1	6.4
Summers	4	30.1	2	18.7	1	10.0	1	7.4	2	20.6
Taylor	2	12.0	0	0.0	0	0.0	2	12.6	1	6.8
Tucker	1	16.1	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	1	10.6	1	13.0	1	8.8	0	0.0	2	20.0
Upshur	0	0.0	2	8.2	1	3.9	2	8.1	1	3.4
Wayne	2	4.2	2	4.1	4	7.6	3	6.1	5	10.0
Webster	1	11.0	1	11.5	0	0.0	0	0.0	0	0.0
Wetzel	1	4.8	3	12.5	2	10.4	1	4.9	5	28.9
Wirt	0	0.0	0	0.0	1	16.1	1	17.9	0	0.0
Wood	10	9.8	9	8.5	5	5.2	2	1.9	6	5.9
Wyoming	4	12.5	1	3.4	3	10.3	3	11.0	2	7.1
Total	138	6.7	125	6.0	142	6.8	142	6.8	153	7.5

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

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Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99	Total Deaths, All Causes	20,978	11.6
A00-B99	Certain Infectious and Parasitic Diseases	455	25.3
A00-A09	Intestinal Infectious Diseases	18	1.0
A04	Other Bacterial Intestinal Infections	16	0.9
A07	Other Protozoal Intestinal Diseases	1	0.1
A08	Viral and Other Specified Intestinal Infections	1	0.1
A15-A19	Tuberculosis	6	0.3
A16	Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically	5	0.3
A18	Tuberculosis of other organs	1	0.1
A30-A49	Other Bacterial Diseases	366	20.3
A31	Infection due to Other Mycobacteria	3	0.2
A39	Meningococcal Infection	2	0.1
A40	Streptococcal Septicemia	3	0.2
A41	Other Septicemia	340	18.9
A42	Actinomycosis	1	0.1
A43	Nocardiosis	1	0.1
A48	Other Bacterial Diseases, Not Elsewhere Classified	1	0.1
A49	Bacterial Infection of Unspecified Site	15	0.8
A50-A64	Infections with a Predominantly Sexual Mode of Transmission	1	0.1
A60	Anogenital Herpesviral [Herpes Simplex] Infections	1	0.1
A80-A89	Viral Infections of the Central Nervous System	2	0.1
A81	Slow Virus Infections of Central Nervous System	2	0.1
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	2	0.1
B02	Zoster [Herpes Zoster]	2	0.1
B15-B19	Viral Hepatitis	16	0.9
B16	Acute Hepatitis B	2	0.1
B17	Other Acute Viral Hepatitis	14	0.8
B20-B24	Human Immunodeficiency Virus [HIV] Disease	31	1.7
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	13	0.7

All rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
B22	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Specified Diseases	3	0.2
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	12	0.7
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	3	0.2
B25-B34	Other Viral Diseases	4	0.2
B25	Cytomegaloviral Disease	1	0.1
B34	Viral Infection of Unspecified Site	3	0.2
B35-B49	Mycoses	7	0.4
B40	Blastomycosis	1	0.1
B44	Aspergillosis	3	0.2
B49	Unspecified Mycosis	3	0.2
B90-B94	Sequelae of Infectious and Parasitic Diseases	2	0.1
B91	Sequelae of Poliomyelitis	2	0.1
C00-D48	Neoplasms	4,784	265.5
C00-C97	Malignant Neoplasms	4,680	259.7
C00	Malignant Neoplasm of Lip	1	0.1
C01	Malignant Neoplasm of Base of Tongue	1	0.1
C02	Malignant Neoplasm of Other and Unspecified Parts of Tongue	16	0.9
C04	Malignant Neoplasm of Floor of Mouth	1	0.1
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	11	0.6
C07	Malignant Neoplasm of Parotid Gland	4	0.2
C09	Malignant Neoplasm of Tonsil	4	0.2
C10	Malignant Neoplasm of Oropharynx	7	0.4
C11	Malignant Neoplasm of Nasopharynx	4	0.2
C12	Malignant Neoplasm of Pyriform Sinus	2	0.1
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	13	0.7
C15-C26	Malignant Neoplasms of Digestive Organs	962	53.4
C15	Malignant Neoplasm of Esophagus	89	4.9
C16	Malignant Neoplasm of Stomach	70	3.9
C17	Malignant Neoplasm of Small Intestine	7	0.4

All rates are deaths per 100,000 population except where otherwise noted.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
C18	Malignant Neoplasm of Colon	411	22.8
C19	Malignant Neoplasm of Rectosigmoid Junction	14	0.8
C20	Malignant Neoplasm of Rectum	63	3.5
C21	Malignant Neoplasm of Anus and Anal Canal	6	0.3
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	79	4.4
C23	Malignant Neoplasm of Gallbladder	15	0.8
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	11	0.6
C25	Malignant Neoplasm of Pancreas	181	10.0
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	16	0.9
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,592	88.4
C30	Malignant Neoplasm of Nasal Cavity and Middle Ear	1	0.1
C31	Malignant Neoplasm of Accessory Sinuses	1	0.1
C32	Malignant Neoplasm of Larynx	33	1.8
C34	Malignant Neoplasm of Bronchus and Lung	1,547	85.9
C37	Malignant Neoplasm of Thymus	1	0.1
C38	Malignant Neoplasm of Heart, Mediastinum, and Pleura	3	0.2
C39	Malignant Neoplasm of Other and Ill-Defined Sites in the Respiratory System and Intrathoracic Organs	6	0.3
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	3	0.2
C40	Malignant Neoplasm of Bone and Articular Cartilage of Limbs	1	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	75	4.2
C43	Malignant Neoplasm of Skin	50	2.8
C44	Other Malignant Neoplasms of Skin	25	1.4
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	48	2.7
C45	Mesothelioma	18	1.0
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	6	0.3
C49	Malignant Neoplasm of Other Connective and Soft Tissue	24	1.3
C50	Malignant Neoplasm of Breast	306	17.0
C50	Malignant Neoplasm of Breast	306	17.0

All rates are deaths per 100,000 population except where otherwise noted.

Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
C51-C58	Malignant Neoplasms of Female Genital Organs	225	12.5
C51	Malignant Neoplasm of Vulva	8	0.4
C52	Malignant Neoplasm of Vagina	4	0.2
C53	Malignant Neoplasm of Cervix Uteri	40	2.2
C54	Malignant Neoplasm of Corpus Uteri	16	0.9
C55	Malignant Neoplasm of Uterus, Part Unspecified	32	1.8
C56	Malignant Neoplasm of Ovary	122	6.8
C57	Malignant Neoplasm of Other and Unspecified Female Genital Organs	3	0.2
C60-C63	Malignant Neoplasms of Male Genital Organs	208	11.5
C60	Malignant Neoplasm of Penis	1	0.1
C61	Malignant Neoplasm of Prostate	206	11.4
C62	Malignant Neoplasm of Testis	1	0.1
C64-C68	Malignant Neoplasms of Urinary Tract	201	11.2
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	91	5.1
C66	Malignant Neoplasm of Ureter	2	0.1
C67	Malignant Neoplasm of Bladder	103	5.7
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	5	0.3
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	93	5.2
C71	Malignant Neoplasm of Brain	92	5.1
C72	Malignant Neoplasm of Spinal Cord, Cranial Nerves and Other Parts of the Central Nervous System	1	0.1
C73-C75	Malignant Neoplasms of Other Endocrine Glands	18	1.0
C73	Malignant Neoplasm of Thyroid Gland	14	0.8
C74	Malignant Neoplasm of Adrenal Gland	4	0.2
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	319	17.7
C76	Malignant Neoplasm of Other and Ill-Defined Sites	32	1.8
C77	Secondary and Unspecified Malignant Neoplasm of Lymph Nodes	1	0.1
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	19	1.1
C79	Secondary Malignant Neoplasm of Other Sites	29	1.6
C80	Malignant Neoplasm without Specification of Site	238	13.2

All rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	420	23.3
C81	Hodgkin's Disease	5	0.3
C82	Follicular [Nodular] Non-Hodgkin's Lymphoma	2	0.1
C83	Diffuse Non-Hodgkin's Lymphoma	16	0.9
C84	Peripheral and Cutaneous T-Cell Lymphoma	3	0.2
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	159	8.8
C88	Malignant Immunoproliferative Diseases	2	0.1
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	68	3.8
C91	Lymphoid Leukemia	62	3.4
C92	Myeloid Leukemia	74	4.1
C95	Leukemia of Unspecified Cell Type	29	1.6
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	146	8.1
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	146	8.1
D10-D36	Benign Neoplasms	4	0.2
D18	Hemangioma and Lymphangioma, Any Site	1	0.1
D32	Benign Neoplasm of Meninges	2	0.1
D35	Benign Neoplasm of Other and Unspecified Endocrine Gland	1	0.1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	100	5.5
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	7	0.4
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	3	0.2
D39	Neoplasm of Uncertain or Unknown Behavior of Female Genital Organs	1	0.1
D40	Neoplasm of Uncertain or Unknown Behavior of Male Genital Organs	1	0.1
D41	Neoplasm of Uncertain or Unknown Behavior of Urinary Organs	2	0.1
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	37	2.1
D44	Neoplasm of Uncertain or Unknown Behavior of Endocrine Glands	1	0.1
D45	Polycythemia Vera	2	0.1
D46	Myelodysplastic Syndromes	33	1.8
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	8	0.4
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	5	0.3

All rates are deaths per 100,000 population except where otherwise noted.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	100	5.5
D50-D53	Nutritional Anemias	4	0.2
D50	Iron Deficiency Anemia	2	0.1
D53	Other Nutritional Anemias	2	0.1
D55-D59	Hemolytic Anemias	4	0.2
D57	Sickle-Cell Disorders	1	0.1
D58	Other Hereditary Hemolytic Anemias	2	0.1
D59	Acquired Hemolytic Anemia	1	0.1
D60-D64	Aplastic and Other Anemias	40	2.2
D61	Other Aplastic Anemias	10	0.6
D64	Other Anemias	30	1.7
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	31	1.7
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	5	0.3
D66	Hereditary Factor VIII Deficiency	2	0.1
D68	Other Coagulation Defects	9	0.5
D69	Purpura and Other Hemorrhagic Conditions	15	0.8
D70-D77	Other Diseases of Blood and Blood-Forming Organs	10	0.6
D70	Agranulocytosis	6	0.3
D72	Other Disorders of White Blood Cells	1	0.1
D73	Diseases of Spleen	2	0.1
D75	Other Diseases of Blood And-Blood Forming Organs	1	0.1
D80-D89	Certain Disorders Involving the Immune Mechanism	11	0.6
D80	Immunodeficiency with Predominantly Antibody Defects	2	0.1
D84	Other Immunodeficiencies	4	0.2
D86	Sarcoidosis	5	0.3
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,104	61.3
E00-E07	Disorders of Thyroid Gland	27	1.5
E03	Other Hypothyroidism	23	1.3
E05	Thyrotoxicosis [Hyperthyroidism]	3	0.2

All rates are deaths per 100,000 population except where otherwise noted.

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West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
E07	Other Disorders of Thyroid	1	0.1
E10-E14	Diabetes Mellitus	807	44.8
E10	Insulin-Dependent Diabetes Mellitus	110	6.1
E11	Non-Insulin-Dependent Diabetes Mellitus	218	12.1
E14	Unspecified Diabetes Mellitus	479	26.6
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	2	0.1
E15	Nondiabetic Hypoglycemic Coma	1	0.1
E16	Other Disorders of Pancreatic Internal Secretion	1	0.1
E20-E35	Disorders of Other Endocrine Glands	7	0.4
E21	Hypoparathyroidism and Other Disorders of Parathyroid Gland	2	0.1
E24	Cushing's Syndrome	1	0.1
E27	Other Disorders of Adrenal Gland	4	0.2
E40-E46	Malnutrition	33	1.8
E41	Nutritional Marasmus	4	0.2
E43	Unspecified Severe Protein-Energy Malnutrition	4	0.2
E46	Unspecified Protein-Energy Malnutrition	25	1.4
E50-E64	Other Nutritional Deficiencies	3	0.2
E63	Other Nutritional Deficiencies	3	0.2
E65-E68	Obesity and Other Hyperalimentation	35	1.9
E66	Obesity	35	1.9
E70-E90	Metabolic Disorders	190	10.5
E75	Disorders of Sphingolipid Metabolism and Other Lipid Storage Disorders	3	0.2
E77	Disorders of Glycoprotein Metabolism	2	0.1
E78	Disorders of Lipoprotein Metabolism and Other Lipidemias	72	4.0
E83	Disorders of Mineral Metabolism	6	0.3
E84	Cystic Fibrosis	1	0.1
E85	Amyloidosis	9	0.5
E86	Volume Depletion	51	2.8
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	41	2.3

All rates are deaths per 100,000 population except where otherwise noted.

**Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
E88	Other Metabolic Disorders	5	0.3
F00-F99	Mental and Behavioral Disorders	373	20.7
F00-F09	Organic, Including Symptomatic, Mental Disorders	317	17.6
F01	Vascular Dementia	13	0.7
F03	Unspecified Dementia	277	15.4
F05	Delirium, Not Induced by Alcohol and Other Psychoactive Substances	1	0.1
F06	Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease	26	1.4
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	39	2.2
F10	Mental and Behavioral Disorders due to Use of Alcohol	35	1.9
F17	Mental and Behavioral Disorders due to Use of Tobacco	1	0.1
F19	Mental and Behavioral Disorders due to Multiple Drug Use and Use of Other Psychoactive Substances	3	0.2
F20-F29	Schizophrenia, Schizotypal and Delusional Disorders	3	0.2
F20	Schizophrenia	3	0.2
F30-F39	Mood [Affective] Disorders	5	0.3
F31	Bipolar Affective Disorder	1	0.1
F32	Depressive Episode	4	0.2
F70-F79	Mental Retardation	7	0.4
F72	Severe Mental Retardation	1	0.1
F79	Unspecified Mental Retardation	6	0.3
F80-F89	Disorders of Psychological Development	2	0.1
F84	Pervasive Developmental Disorders	2	0.1
G00-G99	Diseases of the Nervous System	681	37.8
G00-G09	Inflammatory Diseases of the Central Nervous System	4	0.2
G03	Meningitis due to Other and Unspecified Causes	3	0.2
G06	Intracranial and Intraspinal Abscess and Granuloma	1	0.1
G10-G13	Systemic Atrophies Primarily Affecting the Central Nervous System	37	2.1
G11	Hereditary Ataxia	1	0.1
G12	Spinal Muscular Atrophy and Related Syndromes	36	2.0
G20-G26	Extrapyramidal and Movement Disorders	97	5.4

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Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
G20	Parkinson's Disease	91	5.1
G21	Secondary Parkinsonism	2	0.1
G23	Other Degenerative Diseases of Basal Ganglia	2	0.1
G24	Dystonia	1	0.1
G25	Other Extrapyrarnidal and Movement Disorders	1	0.1
G30-G32	Other Degenerative Diseases of the Nervous System	416	23.1
G30	Alzheimer's Disease	410	22.8
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	6	0.3
G35-G37	Demyelinating Diseases of the Central Nervous System	25	1.4
G35	Multiple Sclerosis	24	1.3
G37	Other Demyelinating	1	0.1
G40-G47	Episodic and Paroxysmal Disorders	19	1.1
G40	Epilepsy	6	0.3
G41	Status Epilepticus	3	0.2
G45	Transient Cerebral Ischemic Attacks and Related Syndromes	6	0.3
G47	Sleep Disorders	4	0.2
G50-G59	Nerve, Nerve Root and Plexus Disorders	1	0.1
G50	Disorders of Trigeminal Nerve	1	0.1
G60-G64	Polyneuropathies and Other Disorders of the Peripheral Nervous System	2	0.1
G60	Hereditary and Idiopathic Neuropathy	1	0.1
G62	Other Polyneuropathies	1	0.1
G70-G73	Diseases of Myoneural Junction and Muscle	19	1.1
G70	Myasthenia Gravis and Other Myoneural Disorders	9	0.5
G71	Primary Disorders of Muscles	9	0.5
G72	Other Myopathies	1	0.1
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	22	1.2
G80	Infantile Cerebral Palsy	13	0.7
G81	Hemiplegia	1	0.1
G82	Paraplegia and Tetraplegia	7	0.4

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West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
G83	Other Paralytic Syndromes	1	0.1
G90-G99	Other Disorders of the Nervous System	39	2.2
G90	Disorders of Autonomic Nervous System	2	0.1
G91	Hydrocephalus	5	0.3
G92	Toxic Encephalopathy	1	0.1
G93	Other Disorders of Brain	27	1.5
G95	Other Diseases of Spinal Cord	2	0.1
G96	Other Disorders of Central Nervous System	1	0.1
G98	Other Disorders of Nervous System, Not Elsewhere Classified	1	0.1
I00-I99	Diseases of the Circulatory System	8,117	450.5
I00-I09, I11, I13, I20-I51	Diseases of the Heart	6,292	349.2
I00-I02	Acute Rheumatic Fever	1	0.1
I00	Rheumatic Fever without Mention of Heart Involvement	1	0.1
I05-I09	Chronic Rheumatic Heart Diseases	35	1.9
I05	Rheumatic Mitral Valve Diseases	21	1.2
I07	Rheumatic Tricuspid Valve Diseases	1	0.1
I08	Multiple Valve Diseases	7	0.4
I09	Other Rheumatic Heart Diseases	6	0.3
I10-I15	Hypertensive Diseases	348	19.3
I10	Essential (Primary) Hypertension	108	6.0
I11	Hypertensive Heart Disease	169	9.4
I12	Hypertensive Renal Disease	49	2.7
I13	Hypertensive Heart and Renal Disease	22	1.2
I20-I25	Ischemic Heart Diseases	4,429	245.8
I20	Angina Pectoris	6	0.3
I21	Acute Myocardial Infarction	1,626	90.2

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West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
I24	Other Acute Ischemic Heart Diseases	10	0.6
I25	Chronic Ischemic Heart Disease	2,787	154.7
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	88	4.9
I26	Pulmonary Embolism	54	3.0
I27	Other Pulmonary Heart Diseases	33	1.8
I28	Other Diseases of Pulmonary Vessels	1	0.1
I30-I52	Other Forms of Heart Diseases	1,548	85.9
I31	Other Diseases of Pericardium	3	0.2
I33	Acute and Subacute Endocarditis	3	0.2
I34	Nonrheumatic Mitral Valve Disorders	18	1.0
I35	Nonrheumatic Aortic Valve Disorders	95	5.3
I38	Endocarditis, Valve Unspecified	28	1.6
I40	Acute Myocarditis	3	0.2
I42	Cardiomyopathy	190	10.5
I44	Atrioventricular and Left Bundle-Branch Block	3	0.2
I45	Other Conduction Disorders	5	0.3
I46	Cardiac Arrest	351	19.5
I47	Paroxysmal Tachycardia	8	0.4
I48	Atrial Fibrillation and Flutter	106	5.9
I49	Other Cardiac Arrhythmias	58	3.2
I50	Heart Failure	621	34.5
I51	Complications and Ill-Defined Descriptions of Heart Disease	56	3.1
I60-I69	Cerebrovascular Diseases	1,262	70.0
I60	Subarachnoid Hemorrhage	43	2.4
I61	Intracerebral Hemorrhage	167	9.3
I62	Other Nontraumatic Intracranial Hemorrhage	46	2.6
I63	Cerebral Infarction	74	4.1
I64	Stroke, Not Specified as Hemorrhage or Infarction	781	43.3
I67	Other Cerebrovascular Diseases	109	6.0

All rates are deaths per 100,000 population except where otherwise noted.

Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
I69	Sequelae of Cerebrovascular Disease	42	2.3
I70-I79	Diseases of Arteries, Arterioles and Capillaries	367	20.4
I70	Atherosclerosis	136	7.5
I71	Aortic Aneurysm and Dissection	133	7.4
I72	Other Aneurysm	8	0.4
I73	Other Peripheral Vascular Diseases	75	4.2
I74	Arterial Embolism and Thrombosis	9	0.5
I77	Other Disorders of Arteries and Arterioles	5	0.3
I78	Diseases of Capillaries	1	0.1
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	35	1.9
I80	Phlebitis and Thrombophlebitis	23	1.3
I82	Other Venous Embolism and Thrombosis	6	0.3
I83	Varicose Veins of Lower Extremities	3	0.2
I85	Esophageal Varices	3	0.2
I95-I99	Other and Unspecified Disorders of the Circulatory System	4	0.2
I95	Hypotension	1	0.1
I99	Other and Unspecified Disorders of Circulatory System	3	0.2
J00-J99	Diseases of the Respiratory System	2,244	124.5
J10-J18	Influenza and Pneumonia	489	27.1
J10	Influenza due to Identified Influenza Virus	2	0.1
J11	Influenza, Virus Not Identified	3	0.2
J12	Viral Pneumonia, Not Elsewhere Classified	1	0.1
J13	Pneumonia due to Streptococcus Pneumoniae	3	0.2
J14	Pneumonia due to Haemophilus Influenzae	2	0.1
J15	Bacterial Pneumonia, Not Elsewhere Classified	16	0.9
J18	Pneumonia, Organism Unspecified	462	25.6
J20-J22	Other Acute Lower Respiratory Infections	7	0.4
J20	Acute Bronchitis	7	0.4
J30-J39	Other Diseases of Upper Respiratory Tract	4	0.2

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Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
J32	Chronic Sinusitis	1	0.1
J36	Peritonsillar Abscess	1	0.1
J38	Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	1	0.1
J39	Other Diseases of Upper Respiratory Tract	1	0.1
J40-J47	Chronic Lower Respiratory Diseases	1,290	71.6
J40	Bronchitis, Not Specified as Acute or Chronic	5	0.3
J42	Unspecified Chronic Bronchitis	5	0.3
J43	Emphysema	114	6.3
J44	Other Chronic Obstructive Pulmonary Disease	1,134	62.9
J45	Asthma	23	1.3
J46	Status Asthmaticus	5	0.3
J47	Bronchiectasis	4	0.2
J60-J70	Lung Diseases due to External Agents	230	12.8
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 Silicia	1	0.1
J64	Unspecified Pneumoconiosis	10	0.6
J69	Pneumonitis due to Solids and Liquids	127	7.0
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	122	6.8
J80	Adult Respiratory Distress Syndrome	19	1.1
J81	Pulmonary Edema	6	0.3
J82	Pulmonary Eosinophilia, Not Elsewhere Classified	4	0.2
J84	Other Interstitial Pulmonary Diseases	93	5.2
J85-J86	Suppurative and Necrotic Conditions of Lower Respiratory Tract	2	0.1
J85	Abscess of Lung and Mediastinum	2	0.1
J90-J94	Other Diseases of Pleura	9	0.5
J90	Pleural Effusion, Not Elsewhere Classified	6	0.3
J93	Pneumothorax	3	0.2
J95-J99	Other Diseases of the Respiratory System	91	5.1

All rates are deaths per 100,000 population except where otherwise noted.

Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
J96	Respiratory Failure, Not Elsewhere Classified	51	2.8
J98	Other Respiratory Disorders	40	2.2
K00-K93	Diseases of the Digestive System	680	37.7
K00-K14	Diseases of Oral Cavity, Salivary Glands and Jaws	1	0.1
K04	Diseases of Pulp and Periapical Tissues	1	0.1
K20-K31	Diseases of Esophagus, Stomach and Duodenum	65	3.6
K20	Esophagitis	1	0.1
K21	Gastro-esophageal Reflux Disease	6	0.3
K22	Other Diseases of Esophagus	15	0.8
K25	Gastric Ulcer	17	0.9
K26	Duodenal Ulcer	9	0.5
K27	Peptic Ulcer, Site Unspecified	7	0.4
K28	Gastrojejunal Ulcer	2	0.1
K29	Gastritis and Duodenitis	5	0.3
K31	Other Diseases of Stomach and Duodenum	3	0.2
K35-K38	Diseases of Appendix	2	0.1
K35	Acute Appendicitis	2	0.1
K40-K46	Hernia	12	0.7
K40	Inguinal Hernia	3	0.2
K42	Umbilical Hernia	1	0.1
K43	Ventral Hernia	1	0.1
K44	Diaphragmatic Hernia	4	0.2
K46	Unspecified Abdominal Hernia	3	0.2
K50-K52	Noninfective Enteritis and Colitis	17	0.9
K50	Crohn's Disease [Regional Enteritis]	5	0.3
K51	Ulcerative Colitis	5	0.3
K52	Other Noninfective Gastroenteritis and Colitis	7	0.4
K55-K63	Other Diseases of Intestines	143	7.9
K55	Vascular Disorders of Intestine	64	3.6

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West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	28	1.6
K57	Diverticular Disease of Intestine	28	1.6
K59	Other Functional Intestinal Disorders	1	0.1
K60	Fissure and Fistula of Anal and Rectal Regions	1	0.1
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	17	0.9
K65-K67	Diseases of Peritoneum	13	0.7
K65	Peritonitis	11	0.6
K66	Other Disorders of Peritoneum	2	0.1
K70-K77	Diseases of Liver	292	16.2
K70	Alcoholic Liver Disease	88	4.9
K72	Hepatic Failure, Not Elsewhere Classified	49	2.7
K73	Chronic Hepatitis, Not Elsewhere Classified	7	0.4
K74	Fibrosis and Cirrhosis of Liver	120	6.7
K75	Other Inflammatory Liver Diseases	5	0.3
K76	Other Diseases of Liver	23	1.3
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	54	3.0
K80	Chololithiasis	7	0.4
K81	Cholecystitis	8	0.4
K82	Other Diseases of Gallbladder	4	0.2
K83	Other Diseases of Biliary Tract	7	0.4
K85	Acute Pancreatitis	23	1.3
K86	Other Diseases of Pancreas	5	0.3
K90-K93	Other Diseases of the Digestive System	81	4.5
K90	Intestinal Malabsorption	1	0.1
K92	Other Diseases of Digestive System	80	4.4
L00-L99	Diseases of the Skin and Subcutaneous Tissue	24	1.3
L00-L08	Infections of the Skin and Subcutaneous Tissue	7	0.4

All rates are deaths per 100,000 population except where otherwise noted.

Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
L02	Cutaneous Abscess, Furuncle and Carbuncle	3	0.2
L03	Cellulitis	3	0.2
L08	Other Local Infections of Skin and Subcutaneous Tissue	1	0.1
L10-L14	Bullous Disorders	1	0.1
L12	Pemphigoid	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	16	0.9
L89	Decubitus Ulcer	12	0.7
L93	Luprus Erythematosus	2	0.1
L97	Ulcer of Lower Limb, Not Elsewhere Classified	1	0.1
L98	Other Disorders of Skin and Subcutaneous Tissue, Not Elsewhere Classified	1	0.1
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	117	6.5
M00-M25	Arthropathies	41	2.3
M00-M03	Infectious Arthropathies	1	0.1
M00	Pyogenic Arthritis	1	0.1
M05-M14	Inflammatory Polyarthropathies	26	1.4
M06	Other Rheumatoid Arthritis	23	1.3
M08	Juvenile Arthritis	1	0.1
M13	Other Arthritis	2	0.1
M15-M19	Arthrosis	14	0.8
M19	Other Arthrosis	14	0.8
M30-M36	Systemic Connective Tissue Disorders	22	1.2
M30	Polyarteritis Nodosa and Related Conditions	2	0.1
M31	Other Necrotizing Vasculopathies	3	0.2
M32	Systemic Lupus Erythematosus	4	0.2
M33	Dermatopolymyositis	2	0.1
M34	Systemic Sclerosis	8	0.4
M35	Other Systemic Involvement of Connetive Tissue	3	0.2
M40-M54	Dorsopathies	6	0.3
M40-M43	Deforming Dosopathies	1	0.1

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
M41	Scoliosis	1	0.1
M45-M49	Spondylopathies	3	0.2
M45	Ankylosing Spondylitis	1	0.1
M46	Other Inflammatory Spondylopathies	1	0.1
M48	Other Spondylopathies	1	0.1
M50-M54	Other Dorsopathies	2	0.1
M51	Other Intervertebral Disc Disorders	2	0.1
M60-M79	Soft Tissue Disorders	11	0.6
M60-M63	Disorders of Muscles	6	0.3
M62	Other Disorders of Muscle	6	0.3
M70-M79	Other Soft Tissue Disorders	5	0.3
M72	Fibroblastic Disorders	3	0.2
M79	Other Soft Tissue Disorders, Not Elsewhere Classified	2	0.1
M80-M94	Osteopathies and Chondropathies	37	2.1
M80-M85	Disorders of Bone Density and Structure	23	1.3
M80	Osteoporosis with Pathological Fracture	3	0.2
M81	Osteoporosis without Pathological Fracture	19	1.1
M84	Disorders of Continuity of Bone	1	0.1
M86-M90	Other Osteopathies	14	0.8
M86	Osteomyelitis	12	0.7
M88	Paget's Disease of Bone [Osteitis Deformans]	1	0.1
M89	Other Disorders of Bone	1	0.1
N00-N99	Diseases of the Genitourinary System	552	30.6
N00-N08	Glomerular Diseases	4	0.2
N05	Unspecified Nephritic Syndrome	4	0.2
N10-N16	Renal Tubulo-Interstitial Diseases	15	0.8
N10	Acute Tubulo-Interstitial Nephritis	1	0.1
N11	Chronic Tubulo-Interstitial Nephritis	2	0.1
N12	Tubulo-Interstitial Nephritis, Not Specified as Acute or Chronic	6	0.3

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Causes of Resident Deaths: Number and Rate
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Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
N13	Obstructive and Reflux Uropathy	6	0.3
N17-N19	Renal Failure	386	21.4
N17	Acute Renal Failure	59	3.3
N18	Chronic Renal Failure	148	8.2
N19	Unspecified Renal Failure	179	9.9
N20-N23	Urolithiasis	3	0.2
N20	Calculus of Kidney and Ureter	3	0.2
N25-N29	Other Disorders of Kidney and Ureter	1	0.1
N27	Small Kidney of Unknown Cause	1	0.1
N30-N39	Other Diseases of the Urinary System	139	7.7
N30	Cystitis	1	0.1
N31	Neuromuscular Dysfunction of Bladder, Not Elsewhere Classified	1	0.1
N39	Other Disorders of Urinary System	137	7.6
N40-N51	Diseases of Male Genital Organs	3	0.2
N40	Hyperplasia of Prostate	1	0.1
N41	Inflammatory Diseases of Prostate	1	0.1
N42	Other Disorders of Prostate	1	0.1
N80-N98	Noninflammatory Disorders of Female Genital Tract	1	0.1
N81	Female Genital Prolapse	1	0.1
O00-O99*	Pregnancy, Childbirth and the Puerperium	5	0.3
O30-O48	Maternal Care Related to the Fetus and Amniotic Cavity and Possible Delivery Problems	1	4.9
O44	Placenta Previa	1	4.9
O85-O92	Complications Predominantly Related to the Puerperium	2	9.8
O90	Complications of the Puerperium, Not Elsewhere Classified	2	9.8
O95-O99	Other Obstetric Conditions, Not Elsewhere Classified	2	9.8
O95	Obstetric Death of Unspecified Cause	1	4.9
O99	Other Maternal Diseases Classifiable Elsewhere But Complicating Pregnancy, Childbirth and the Puerperium	1	4.9
P00-P96	Certain Conditions Originating in the Perinatal Period	88	4.9
P00-P04	Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labour and Delivery	24	1.3

All 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, 2001
Table 43 (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	3	0.2
P01	Fetus and Newborn Affected by Maternal Complications of Pregnancy	14	0.8
P02	Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes	6	0.3
P03	Fetus and Newborn Affected by Other Complications of Labour and Delivery	1	0.1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	26	1.4
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	26	1.4
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	24	1.3
P21	Birth Asphyxia	1	0.1
P22	Respiratory Distress of Newborn	3	0.2
P23	Congenital Pneumonia	3	0.2
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal Period	1	0.1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	3	0.2
P28	Other Respiratory Conditions Originating in the Perinatal Period	7	0.4
P29	Cardiovascular Disorders Originating in the Perinatal Period	6	0.3
P35-P39	Infections Specific to the Perinatal Period	3	0.2
P35	Congenital Viral Diseases	1	0.1
P36	Bacterial Sepsis of Newborn	1	0.1
P37	Other Congenital Infectious and Parasitic Diseases	1	0.1
P50-P61	Hemorrhagic and Hematological Disorders of Fetus and Newborn	6	0.3
P52	Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	4	0.2
P54	Other Neonatal Hemorrhages	1	0.1
P60	Disseminated Intravascular Coagulation of Fetus and Newborn	1	0.1
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus and Newborn	2	0.1
P74	Other Transitory Neonatal Electrolyte and Metabolic Disturbances	2	0.1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus and Newborn	1	0.1
P83	Other Conditions of Integument Specific to Fetus and Newborn	1	0.1
P90-P96	Other Disorders Originating in the Perinatal Period	2	0.1
P96	Other Conditions Originating in the Perinatal Period	2	0.1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	70	3.9

All rates are deaths per 100,000 population except where otherwise noted.

Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
Q00-Q07	Congenital Malformations of the Nervous System	7	0.4
Q00	Anencephaly and Similar Malformations	2	0.1
Q03	Congenital Hydrocephalus	1	0.1
Q04	Other Congenital Malformations of Brain	2	0.1
Q05	Spina Bifida	1	0.1
Q07	Other Congenital Malformations of Nervous System	1	0.1
Q20-Q28	Congenital Malformations of the Circulatory System	26	1.4
Q20	Congenital Malformations of Cardiac Chambers and Connections	4	0.2
Q21	Congenital Malformations of Cardiac Septa	5	0.3
Q23	Congenital Malformations of Aortic and Mitral Valves	5	0.3
Q24	Other Congenital Malformations of the Heart	8	0.4
Q25	Congenital Malformations of Great Arteries	2	0.1
Q27	Other Congenital Malformations of Peripheral Vascular System	2	0.1
Q30-Q34	Congenital Malformations of the Respiratory System	4	0.2
Q33	Congenital Malformations of Lung	4	0.2
Q38-Q45	Other Congenital Malformations of the Digestive System	3	0.2
Q41	Congenital Absence, Atresia and Stenosis of Small Intestine	1	0.1
Q43	Other Congenital Malformations of Intestine	1	0.1
Q44	Congenital Malformations of Gallbladder, Bile Ducts and Liver	1	0.1
Q60-Q64	Congenital Malformations of the Urinary System	4	0.2
Q60	Renal Agenesis and Other Reduction Defects of Kidney	2	0.1
Q61	Cystic Kidney Disease	2	0.1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	6	0.3
Q68	Other Congenital Musculoskeletal Deformities	1	0.1
Q78	Other Osteochondrodysplasias	2	0.1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	3	0.2
Q80-Q89	Other Congenital Malformations	7	0.4
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	4	0.2
Q89	Other Congenital Malformations, Not Elsewhere Classified	3	0.2

All rates are deaths per 100,000 population except where otherwise noted.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (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	10	0.6
Q91	Edwards' Syndrome and Patau's Syndrome	2	0.1
Q93	Monosomies and Deletions from the Autosomes, Not Elsewhere Classified	1	0.1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	253	14.0
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	17	0.9
R06	Abnormalities of Breathing	1	0.1
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	16	0.9
R10-R19	Symptoms and Signs Involving the Digestive System and Abdomen	1	0.1
R19	Other Symptoms and Signs Involving the Digestive System and Abdomen	1	0.1
R50-R69	General Symptoms and Signs	28	1.6
R54	Senility	7	0.4
R56	Convulsions, Not Elsewhere Classified	10	0.6
R57	Shock, Not Elsewhere Classified	7	0.4
R58	Hemorrhage, Not Elsewhere Classified	2	0.1
R62	Lack of Expected Normal Physiological Development	2	0.1
R90-R94	Abnormal Findings on Diagnostic Imaging and in Function Studies, without Diagnosis	4	0.2
R91	Abnormal Findings on Diagnostic Imaging of Lung	4	0.2
R95-R99	Ill-Defined and Unknown Causes of Mortality	203	11.3
R95	Sudden Infant Death Syndrome	18	1.0
R96	Other Sudden Death, Cause Unknown	3	0.2
R99	Other Ill-Defined and Unspecified Causes of Mortality	182	10.1
S00-T98	Injury, Poisoning and Certain Other Consequences of External Causes	1	0.1
T08-T14	Injuries to Unspecified Part of Trunk, Limb or Body Region	1	0.1
T12	Fracture of Lower Limb, Level Unspecified	1	0.1
V01-Y98	External Causes of Morbidity and Mortality	1,330	73.8
V01-V99	Transport Accidents	398	22.1
V01-V09	Pedestrian Injured in Transport Accident	35	1.9
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	16	0.9

All rates are deaths per 100,000 population except where otherwise noted.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
V04	Pedestrian Injured in Collision with Heavy Transport Vehicle or Bus	3	0.2
V05	Pedestrian Injured in Collision with Railway Train or Railway Vehicle	2	0.1
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	14	0.8
V10-V19	Pedal Cyclist Injured in Transport Accident	3	0.2
V13	Pedal Cyclist Injured in Collision with Car, Pickup Truck or Van	1	0.1
V19	Pedal Cyclist Injured in Other and Unspecified Transport Accidents	2	0.1
V20-V29	Motorcycle Rider Injured in Transport Accident	17	0.9
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	3	0.2
V27	Motorcycle Rider Injured in Collision with Fixed or Stationary Object	8	0.4
V28	Motorcycle Rider Injured in Noncollision Transport Accident	4	0.2
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	2	0.1
V40-V49	Car Occupant Injured in Transport Accident	72	4.0
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	21	1.2
V44	Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus	4	0.2
V47	Car Occupant Injured in Collision with Fixed or Stationary Object	11	0.6
V48	Car Occupant Injured in Noncollision Transport Accident	14	0.8
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	22	1.2
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	15	0.8
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	7	0.4
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	2	0.1
V59	Occupant of Pickup or Van Injured in Other and Unspecified Transport Accidents	3	0.2
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
V67	Occupant of Heavy Transport Vehicle Injured in Collision with Fixed or Stationary Object	2	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	1	0.1
V70-V79	Bus Occupant Injured in Transport Accident	1	0.1

All rates are deaths per 100,000 population except where otherwise noted.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
V75	Bus Occupant Injured in Collision with Railway Train or Railway Vehicle	1	0.1
V80-V89	Other Land Transport Accidents	246	13.7
V80	Animal Rider or Occupant of Animal-Drawn Vehicle Injured in Transport Accident	1	0.1
V83	Occupant of Special Vehicle Mainly Used on Industrial Premises Injured in Transport Accident	1	0.1
V84	Occupant of Special Vehicle Mainly Used in Agriculture Injured in Transport Accident	8	0.4
V85	Occupant of Special Construction Vehicle Injured in Transport Accident	5	0.3
V86	Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident	19	1.1
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	63	3.5
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	149	8.3
V90-V94	Water Transport Accidents	2	0.1
V92	Water-Transport-Related Drowning and Submersion without Accident to Watercraft	2	0.1
V95-V97	Air and Space Transport Accidents	1	0.1
V95	Accident to Powered Aircraft Causing Injury to Occupant	1	0.1
W00-X59	Other External Causes of Accidental Injury	432	24.0
W00-W19	Falls	116	6.4
W00	Fall on Same Level Involving Ice and Snow	1	0.1
W01	Fall on Same Level from Slipping, Tripping and Stumbling	7	0.4
W04	Fall while Being Carried or Supported by Other Persons	2	0.1
W05	Fall Involving Wheelchair	1	0.1
W06	Fall Involving Bed	6	0.3
W08	Fall Involving Other Furniture	2	0.1
W10	Fall on and from Stairs and Steps	11	0.6
W11	Fall on and from Ladder	4	0.2
W13	Fall from, out of or through Building or Structure	4	0.2
W14	Fall from Tree	3	0.2
W15	Fall from Cliff	1	0.1
W17	Other Fall from One Level to Another	5	0.3
W18	Other Fall on Same Level	8	0.4
W19	Unspecified Fall	61	3.4

All rates are deaths per 100,000 population except where otherwise noted.

Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
W20-W49	Exposure to Inanimate Mechanical Forces	34	1.9
W20	Struck by Thrown, Projected or Falling Object	14	0.8
W23	Caught, Crushed, Jammed or Pinched in or between Objects	2	0.1
W24	Contact with Lifting and Transmission Devices, Not Elsewhere Classified	1	0.1
W25	Contact with Sharp Glass	2	0.1
W30	Contact with Agricultural Machinery	2	0.1
W31	Contact with Other and Unspecified Machinery	3	0.2
W32	Handgun Discharge	1	0.1
W33	Rifle, Shotgun and Larger Firearm Discharge	4	0.2
W34	Discharge from Other and Unspecified Firearms	4	0.2
W45	Foreign Body or Object Entering through Skin	1	0.1
W65-W74	Accidental Drowning and Submersion	22	1.2
W65	Drowning and Submersion while in Bathtub	2	0.1
W67	Drowning and Submersion while in Swimming Pool	2	0.1
W69	Drowning and Submersion while in Natural Water	12	0.7
W70	Drowning and Submersion Following Fall in Natural Water	3	0.2
W73	Other Specified Drowning and Submersion	2	0.1
W74	Unspecified Drowning and Submersion	1	0.1
W75-W84	Other Accidental Threats to Breathing	55	3.1
W75	Accidental Suffocation and Strangulation in Bed	2	0.1
W77	Threat to Breathing due to Cave-In, Falling Earth and Other Substances	3	0.2
W78	Inhalation of Gastric Contents	2	0.1
W79	Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	8	0.4
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	38	2.1
W83	Other Specified Threats to Breathing	1	0.1
W84	Unspecified Threat to Breathing	1	0.1
W85-W99	Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure	5	0.3
W85	Exposure to Electric Transmission Lines	2	0.1
W86	Exposure to Other Specified Electric Current	2	0.1

All rates are deaths per 100,000 population except where otherwise noted.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
W87	Exposure to Unspecified Electric Current	1	0.1
X00-X09	Exposure to Smoke, Fire and Flames	27	1.5
X00	Exposure to Uncontrolled Fire in Building or Structure	4	0.2
X01	Exposure to Uncontrolled Fire, Not in Building or Structure	1	0.1
X03	Exposure to Controlled Fire, Not in Building or Structure	1	0.1
X05	Exposure to Ignition or Melting of Nightwear	1	0.1
X08	Exposure to Other Specified Smoke, Fire and Flames	19	1.1
X09	Exposure to Unspecified Smoke, Fire and Flames	1	0.1
X10-X19	Contact with Heat and Hot Substances	1	0.1
X11	Contact with Hot Tap-Water	1	0.1
X20-X29	Contact with Venomous Animals and Plants	3	0.2
X23	Contact with Hornets, Wasps and Bees	2	0.1
X25	Contact with Other Specified Venomous Arthropods	1	0.1
X30-X39	Exposure to Forces of Nature	13	0.7
X30	Exposure to Excessive Natural Heat	1	0.1
X31	Exposure to Excessive Natural Cold	8	0.4
X38	Victim of Flood	4	0.2
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	127	7.0
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	10	0.6
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	37	2.1
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	75	4.2
X45	Accidental Poisoning by Alcohol	1	0.1
X47	Accidental Poisoning by Other Gases and Vapors	3	0.2
X49	Accidental Poisoning by Other and Unspecified Chemicals and Noxious Substances	1	0.1
X58-X59	Accidental Exposure to Other and Unspecified Factors	29	1.6
X58	Exposure to Other Specified Factors	5	0.3
X59	Exposure to Unspecified Factors	24	1.3
X60-X84	Intentional Self-Harm	290	16.1
X61	Intentional Self-Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs	6	0.3

All rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
X62	Intentional Self-Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	6	0.3
X64	Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	21	1.2
X67	Intentional Self-Poisoning by Other Gases and Vapors	9	0.5
X68	Intentional Self-Poisoning by Pesticides	1	0.1
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	31	1.7
X71	Intentional Self-Harm by Drowning and Submersion	4	0.2
X72	Intentional Self-Harm by Handgun Discharge	31	1.7
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	32	1.8
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	144	8.0
X78	Intentional Self-Harm by Sharp Object	4	0.2
X80	Intentional Self-Harm by Jumping from a High Place	1	0.1
X85-Y09	Assault	66	3.7
X91	Assault by Hanging, Strangulation and Suffocation	2	0.1
X93	Assault by Handgun Discharge	2	0.1
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	4	0.2
X95	Assault by Other and Unspecified Firearm Discharge	29	1.6
X97	Assault by Smoke, Fire and Flames	3	0.2
X99	Assault by Sharp Object	6	0.3
Y00	Assault by Blunt Object	10	0.6
Y03	Assault by Crashing of Motor Vehicle	3	0.2
Y04	Assault by Bodily Force	2	0.1
Y07	Other Maltreatment Syndromes	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	100	5.5
Y10	Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics, Undetermined Intent	1	0.1
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antoparkinsonism and Psychotropic Drugs, Undetermined Intent	8	0.4
Y12	Poisoning by Narcotics and psychodysleptics [Hallucinogens], Undetermined Intent	15	0.8
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	34	1.9

All rates are deaths per 100,000 population except where otherwise noted.

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**Causes of Resident Deaths: Number and Rate
West Virginia, 2001
Table 43 (continued)**

ICDA 10 Code Number	Cause of Death	Number of Deaths	Rate
Y21	Drowning and Submersion, Undetermined Intent	8	0.4
Y24	Other and Unspecified Firearm Discharge, Undetermined Intent	2	0.1
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	3	0.2
Y30	Falling, Jumping or Pushed from a High Place, Undetermined Intent	3	0.2
Y32	Crashing of Motor Vehicle, Undetermined Intent	2	0.1
Y33	Other Specified Events, Undetermined Intent	5	0.3
Y34	Unspecified Event, Undetermined Intent	19	1.1
Y35-Y36	Legal Intervention and Operations of War	3	0.2
Y35	Legal Intervention	3	0.2
Y40-Y84	Complications of Medical and Surgical Care	28	1.6
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	6	0.3
Y42	Hormones and Their Synthetic Substitutes and Antagonists, Not Elsewhere Classified	1	0.1
Y44	Agents Primarily Affecting Blood Constituents	3	0.2
Y52	Agents Primarily Affecting the Cardiovascular System	1	0.1
Y55	Agents Primarily Acting on Smooth and Skeletal Muscles and the Respiratory System	1	0.1
Y60-Y69	Misadventures to Patients During Surgical and Medical Care	3	0.2
Y60	Unintentional Cut, Puncture, Perforation or Hemorrhage During Surgical and Medical Care	2	0.1
Y65	Other Misadventures During Surgical and Medical Care	1	0.1
Y70-Y82	Medical Devices Associated with Adverse Incidents in Diagnostic and Therapeutic Use	2	0.1
Y82	Other and Unspecified Medical Devices Associated with Adverse Incidents	2	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	13	0.7
Y84	Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	4	0.2
Y85-Y89	Sequelae of External Causes of Morbidity and Mortality	13	0.7
Y85	Sequelae of Transport Accidents	2	0.1
Y86	Sequelae of Other Accidents	8	0.4
Y87	Sequelae of Intentional Self-Harm, Assault and Event of Undetermined Intent	1	0.1
Y88	Sequelae of Surgical and Medical Care as External Cause	1	0.1
Y89	Sequelae of Other External Causes	1	0.1

All 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, 2001
Table 44

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	20	8.3	22	7.2	30	8.8	9	6.0	19	9.8
Total Deaths, All Causes	2,760	12.5	2,960	11.8	3,375	11.9	1,836	13.0	1,972	11.5
---Deaths under 1 Year	14	5.8	33	10.8	25	7.3	10	6.7	11	5.7
---Deaths under 28 Days	8	3.3	22	7.2	21	6.1	5	3.3	10	5.2
Tuberculosis	0	0.0	2	0.8	1	0.4	2	1.4	0	0.0
Septicemia	60	27.2	44	17.5	45	15.8	21	14.9	29	16.9
Human Immunodeficiency Virus Infection	3	1.4	6	2.4	5	1.8	3	2.1	3	1.7
Malignant Neoplasms	579	262.9	657	261.3	789	277.1	396	280.1	451	262.7
---of Digestive Organs	107	48.6	128	50.9	175	61.5	60	42.4	94	54.8
-----Colon	48	21.8	55	21.9	82	28.8	22	15.6	37	21.6
-----Pancreas	17	7.7	14	5.6	26	9.1	17	12.0	22	12.8
---of Respiratory and Intrathoracic Organs	186	84.5	247	98.2	278	97.6	152	107.5	144	83.9
---Trachea, Bronchus, and Lung	180	81.7	236	93.9	269	94.5	150	106.1	141	82.1
---of Breast	48	21.8	46	18.3	45	15.8	28	19.8	29	16.9
---of Genitourinary Organs	79	35.9	80	31.8	113	39.7	57	40.3	52	30.3
---Cervix Uteri	4	1.8	8	3.2	7	2.5	4	2.8	4	2.3
---Ovary	12	5.4	14	5.6	27	9.5	10	7.1	5	2.9
---Prostate	36	16.3	24	9.5	30	10.5	21	14.9	17	9.9
---Bladder	13	5.9	13	5.2	13	4.6	9	6.4	10	5.8
---All Other (Malignant Neoplasms)	159	72.2	156	62.0	178	62.5	99	70.0	132	76.9
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	17	7.7	15	6.0	11	3.9	13	9.2	9	5.2
Diabetes Mellitus	98	44.5	104	41.4	136	47.8	71	50.2	88	51.3
Alzheimer's Disease	47	21.3	61	24.3	82	28.8	30	21.2	23	13.4
Major Cardiovascular Disease	1,022	464.1	1,171	465.7	1,217	427.4	649	459.1	833	485.2
---Diseases of the Heart	831	377.4	936	372.2	926	325.2	487	344.5	601	350.1
---Ischemic Heart Disease	564	256.1	667	265.3	632	221.9	343	242.6	433	252.2
---Essential Hypertension and Hypertensive Renal Disease	18	8.2	18	7.2	43	15.1	12	8.5	18	10.5
---Cerebrovascular Diseases	135	61.3	190	75.6	203	71.3	117	82.8	130	75.7
---Atherosclerosis	0	0.0	6	2.4	13	4.6	6	4.2	61	35.5
---Other Diseases of Arteries, Arterioles, and Capillaries	38	17.3	21	8.4	32	11.2	27	19.1	23	13.4
Influenza and Pneumonia	54	24.5	55	21.9	72	25.3	45	31.8	66	38.4
---Influenza	0	0.0	0	0.0	4	1.4	1	0.7	0	0.0
---Pneumonia	54	24.5	55	21.9	68	23.9	44	31.1	66	38.4
Chronic Lower Respiratory Diseases	179	81.3	179	71.2	200	70.2	124	87.7	118	68.7
Lung Diseases due to External Agents	61	27.7	30	11.9	25	8.8	33	23.3	7	4.1
---Coalworker's Pneumoconiosis	38	17.3	11	4.4	7	2.5	16	11.3	0	0.0
Chronic Liver Disease and Cirrhosis	24	10.9	33	13.1	40	14.0	24	17.0	14	8.2
Nephritis, Nephrotic Syndrome, and Nephrosis	53	24.1	60	23.9	61	21.4	43	30.4	34	19.8
Congenital Anomalies	6	2.7	8	3.2	15	5.3	7	5.0	11	6.4
III-Defined and Unknown Causes of Death	49	22.3	15	6.0	23	8.1	23	16.3	14	8.2
Accidents	129	58.6	147	58.5	137	48.1	84	59.4	61	35.5
---Motor Vehicle Injuries	54	24.5	63	25.1	57	20.0	39	27.6	30	17.5
---Falls	10	4.5	27	10.7	20	7.0	9	6.4	10	5.8
---Smoke, Fires, and Flames	1	0.5	4	1.6	2	0.7	5	3.5	4	2.3
---Drownings	2	0.9	1	0.4	1	0.4	4	2.8	1	0.6
---Poisonings	30	13.6	25	9.9	26	9.1	12	8.5	4	2.3
---Other Accidents	32	14.5	27	10.7	31	10.9	15	10.6	12	7.0
Intentional Self-Harm	48	21.8	31	12.3	49	17.2	25	17.7	27	15.7
Assault	17	7.7	9	3.6	17	6.0	7	5.0	4	2.3
All Other Causes (Residual)	314	142.6	333	132.4	450	158.0	236	166.9	180	104.9

* 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, 2003

Selected Causes of Resident Deaths: Number and Rate* by District**
West Virginia, 2001
Table 44 (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	17	10.5	20	5.2	16	6.0	153	7.5
Total Deaths, All Causes	1,975	12.6	4,036	11.3	2,064	9.5	20,978	11.6
---Deaths under 1 Year	14	8.7	20	5.2	22	8.2	149	7.3
---Deaths under 28 Days	11	6.8	15	3.9	18	6.7	110	5.4
Tuberculosis	1	0.6	0	0.0	0	0.0	6	0.3
Septicemia	36	23.0	81	22.6	27	12.4	343	19.0
Human Immunodeficiency Virus Infection	3	1.9	5	1.4	3	1.4	31	1.7
Malignant Neoplasms	439	280.2	939	262.5	430	197.2	4,680	259.7
---of Digestive Organs	106	67.6	199	55.6	93	42.7	962	53.4
----Colon	43	27.4	87	24.3	37	17.0	411	22.8
----Pancreas	26	16.6	41	11.5	18	8.3	181	10.0
---of Respiratory and Intrathoracic Organs	131	83.6	299	83.6	155	71.1	1,592	88.4
----Trachea, Bronchus, and Lung	128	81.7	292	81.6	151	69.3	1,547	85.9
---of Breast	30	19.1	55	15.4	25	11.5	306	17.0
---of Genitourinary Organs	55	35.1	140	39.1	58	26.6	634	35.2
----Cervix Uteri	3	1.9	6	1.7	4	1.8	40	2.2
----Ovary	14	8.9	28	7.8	12	5.5	122	6.8
----Prostate	16	10.2	45	12.6	17	7.8	206	11.4
----Bladder	9	5.7	25	7.0	11	5.0	103	5.7
---All Other (Malignant Neoplasms)	117	74.7	246	68.8	99	45.4	1,186	65.8
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	8	5.1	22	6.1	9	4.1	104	5.8
Diabetes Mellitus	63	40.2	169	47.2	78	35.8	807	44.8
Alzheimer's Disease	33	21.1	100	28.0	34	15.6	410	22.8
Major Cardiovascular Disease	843	538.0	1,552	433.8	791	362.8	8,078	448.3
---Diseases of the Heart	662	422.5	1,231	344.1	618	283.4	6,292	349.2
-----Ischemic Heart Disease	473	301.9	883	246.8	434	199.1	4,429	245.8
---Essential Hypertension and Hypertensive Renal Disease	9	5.7	27	7.5	12	5.5	157	8.7
---Cerebrovascular Diseases	142	90.6	217	60.7	128	58.7	1,262	70.0
---Atherosclerosis	8	5.1	30	8.4	12	5.5	136	7.5
---Other Diseases of Arteries, Arterioles, and Capillaries	22	14.0	47	13.1	21	9.6	231	12.8
Influenza and Pneumonia	62	39.6	83	23.2	52	23.9	489	27.1
---Influenza	0	0.0	0	0.0	0	0.0	5	0.3
---Pneumonia	62	39.6	83	23.2	52	23.9	484	26.9
Chronic Lower Respiratory Diseases	115	73.4	246	68.8	129	59.2	1,290	71.6
Lung Diseases due to External Agents	18	11.5	42	11.7	14	6.4	230	12.8
---Coalworker's Pneumoconiosis	2	1.3	7	2.0	0	0.0	81	4.5
Chronic Liver Disease and Cirrhosis	18	11.5	37	10.3	25	11.5	215	11.9
Nephritis, Nephrotic Syndrome, and Nephrosis	26	16.6	76	21.2	38	17.4	391	21.7
Congenital Anomalies	5	3.2	12	3.4	6	2.8	70	3.9
Ill-Defined and Unknown Causes of Death	25	16.0	10	2.8	44	20.2	203	11.3
Accidents	44	28.1	124	34.7	114	52.3	840	46.6
---Motor Vehicle Injuries	20	12.8	51	14.3	54	24.8	368	20.4
---Falls	7	4.5	19	5.3	14	6.4	116	6.4
---Smoke, Fires, and Flames	1	0.6	5	1.4	5	2.3	27	1.5
---Drownings	2	1.3	6	1.7	5	2.3	22	1.2
---Poisonings	4	2.6	11	3.1	15	6.9	127	7.0
---Other Accidents	10	6.4	32	8.9	21	9.6	180	10.0
Intentional Self-Harm	16	10.2	58	16.2	36	16.5	290	16.1
Assault	1	0.6	3	0.8	9	4.1	67	3.7
All Other Causes (Residual)	219	139.8	477	133.3	225	103.2	2,434	135.1

* 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

Heart Disease Mortality Rates* by County West Virginia Residents, 1997-2001

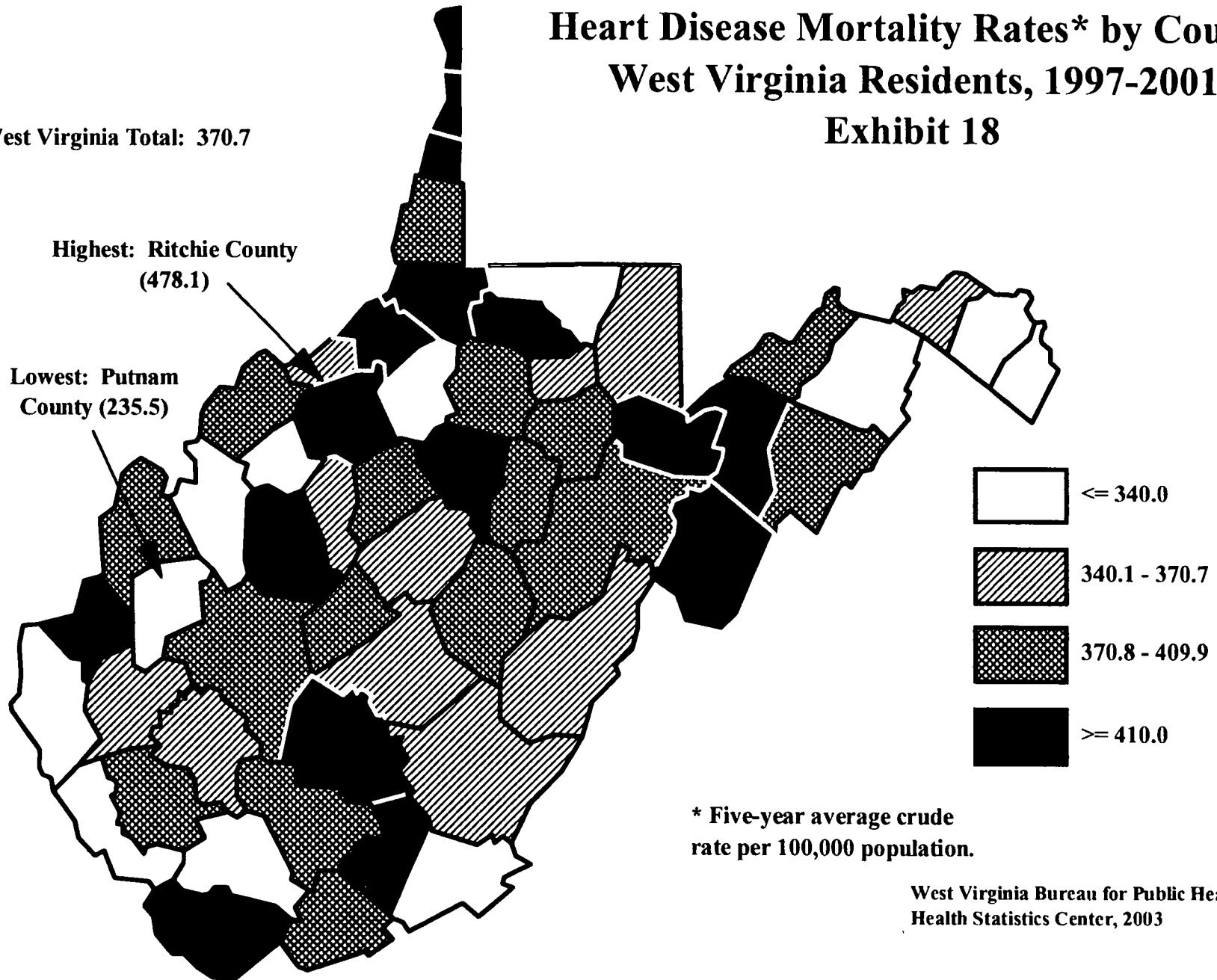
Exhibit 18

West Virginia Total: 370.7

Highest: Ritchie County
(478.1)

Lowest: Putnam
County (235.5)

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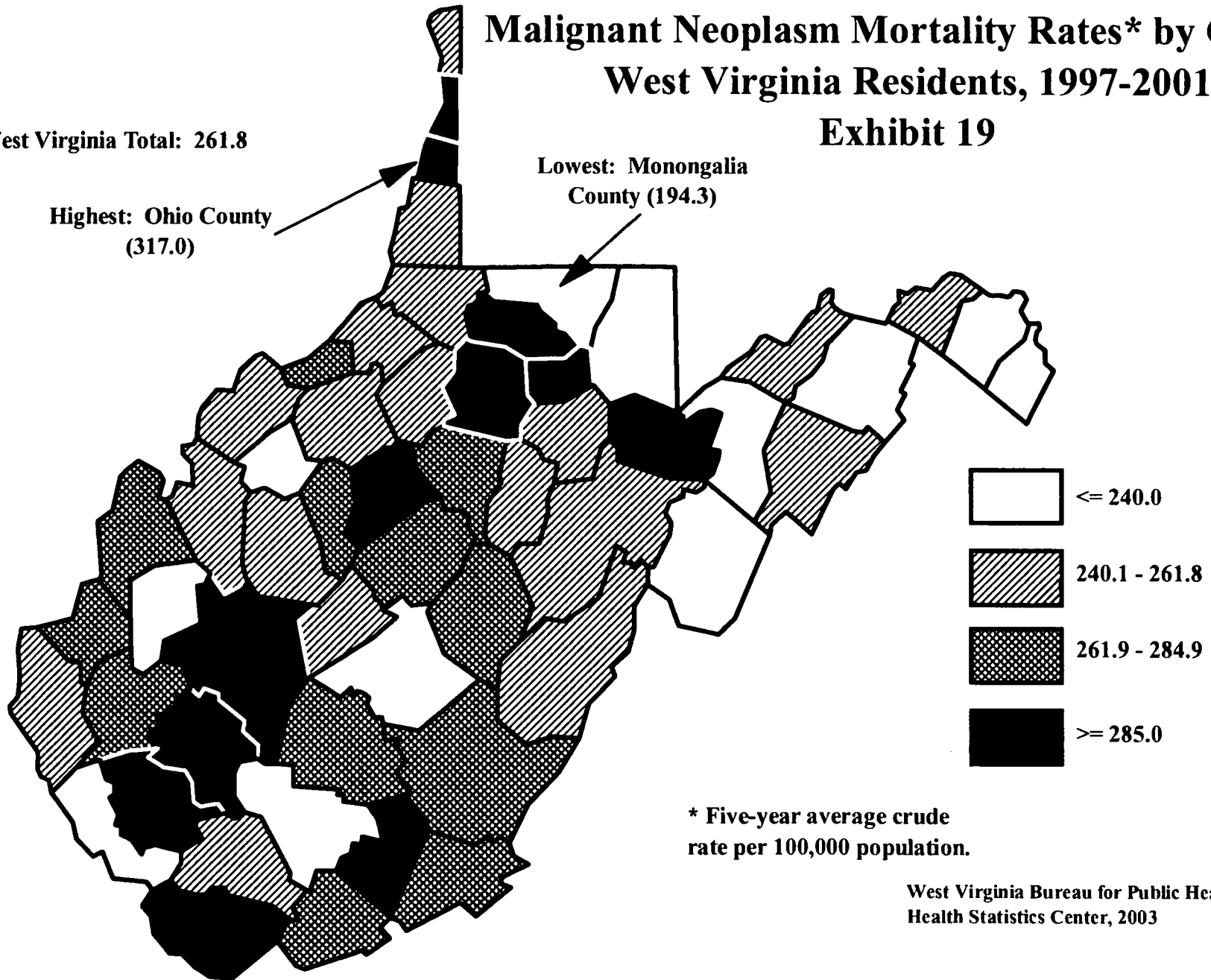
Malignant Neoplasm Mortality Rates* by County West Virginia Residents, 1997-2001

Exhibit 19

West Virginia Total: 261.8

Highest: Ohio County
(317.0)

Lowest: Monongalia
County (194.3)



* Five-year average crude
rate per 100,000 population.

West Virginia Bureau for Public Health
Health Statistics Center, 2003

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45

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	2	12.0	8	7.5	6	17.9	0	0.0	1	4.1
Total Deaths, All Causes	178	11.5	679	8.6	287	11.3	171	11.6	337	13.4
---Deaths under 1 Year	2	12.0	8	7.5	0	0.0	1	7.0	3	12.4
---Deaths under 28 Days	2	12.0	7	6.6	0	0.0	1	7.0	3	12.4
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	5	32.2	7	8.8	6	23.6	1	6.8	7	27.9
Human Immunodeficiency Virus Infection	0	0.0	2	2.5	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	32	206.3	143	180.6	74	291.0	45	305.1	76	302.6
---of Digestive Organs	5	32.2	31	39.1	22	86.5	4	27.1	12	47.8
----Colon	3	19.3	15	18.9	8	31.5	2	13.6	7	27.9
----Pancreas	1	6.4	5	6.3	4	15.7	2	13.6	1	4.0
---of Respiratory and Intrathoracic Organs	12	77.3	54	68.2	27	106.2	15	101.7	24	95.6
----Trachea, Bronchus, and Lung	12	77.3	54	68.2	27	106.2	15	101.7	24	95.6
---of Breast	2	12.9	8	10.1	4	15.7	6	40.7	9	35.8
---of Genitourinary Organs	3	19.3	17	21.5	4	15.7	7	47.5	11	43.8
----Cervix Uteri	0	0.0	1	1.3	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	4	5.1	0	0.0	2	13.6	3	11.9
----Prostate	1	6.4	5	6.3	2	7.9	3	20.3	6	23.9
----Bladder	1	6.4	1	1.3	0	0.0	1	6.8	2	8.0
---All Other (Malignant Neoplasms)	10	64.5	33	41.7	17	66.9	13	88.2	20	79.6
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	6.4	3	3.8	0	0.0	1	6.8	1	4.0
Diabetes Mellitus	7	45.1	26	32.8	11	43.3	4	27.1	8	31.9
Alzheimer's Disease	11	70.9	13	16.4	7	27.5	4	27.1	4	15.9
Major Cardiovascular Disease	68	438.3	248	313.1	102	401.1	59	400.1	126	501.7
---Diseases of the Heart	53	341.6	193	243.7	75	295.0	43	291.6	98	390.2
----Ischemic Heart Disease	42	270.7	147	185.6	49	192.7	28	189.9	65	258.8
---Essential Hypertension and Hypertensive Renal Disease	1	6.4	6	7.6	2	7.9	1	6.8	3	11.9
---Cerebrovascular Diseases	12	77.3	42	53.0	22	86.5	12	81.4	23	91.6
---Atherosclerosis	1	6.4	1	1.3	2	7.9	0	0.0	0	0.0
---Other Diseases of Arteries, Arterioles, and Capillaries	1	6.4	6	7.6	1	3.9	3	20.3	2	8.0
Influenza and Pneumonia	8	51.6	18	22.7	7	27.5	5	33.9	12	47.8
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	8	51.6	18	22.7	7	27.5	5	33.9	12	47.8
Chronic Lower Respiratory Diseases	7	45.1	53	66.9	19	74.7	14	94.9	26	103.5
Lung Diseases due to External Agents	2	12.9	4	5.1	4	15.7	1	6.8	3	11.9
---Coalworker's Pneumoconiosis	1	6.4	0	0.0	2	7.9	1	6.8	0	0.0
Chronic Liver Disease and Cirrhosis	2	12.9	7	8.8	3	11.8	2	13.6	3	11.9
Nephritis, Nephrotic Syndrome, and Nephrosis	3	19.3	12	15.2	4	15.7	2	13.6	6	23.9
Congenital Anomalies	0	0.0	3	3.8	1	3.9	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	6	7.6	3	11.8	0	0.0	9	35.8
Accidents	5	32.2	42	53.0	10	39.3	9	61.0	8	31.9
---Motor Vehicle Injuries	2	12.9	13	16.4	3	11.8	6	40.7	6	23.9
---Falls	1	6.4	4	5.1	1	3.9	3	20.3	1	4.0
---Smoke, Fires, and Flames	0	0.0	2	2.5	0	0.0	0	0.0	0	0.0
---Drownings	1	6.4	1	1.3	0	0.0	0	0.0	0	0.0
---Poisonings	1	6.4	10	12.6	6	23.6	0	0.0	1	4.0
---Other Accidents	0	0.0	12	15.2	0	0.0	0	0.0	0	0.0
Intentional Self-Harm	3	19.3	17	21.5	3	11.8	2	13.6	5	19.9
Assault	2	12.9	4	5.1	4	15.7	0	0.0	0	0.0
All Other Causes (Residual)	22	141.8	71	89.6	29	114.1	22	149.2	43	171.2

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (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	5.9	3	38.5	0	0.0	1	14.7	6	10.7
Total Deaths, All Causes	1,167	12.2	99	13.4	116	11.2	76	9.8	675	14.3
---Deaths under 1 Year	12	10.1	0	0.0	0	0.0	0	0.0	4	7.1
---Deaths under 28 Days	10	8.4	0	0.0	0	0.0	0	0.0	1	1.8
Tuberculosis	2	2.1	0	0.0	0	0.0	0	0.0	1	2.1
Septicemia	19	19.9	1	13.5	0	0.0	0	0.0	7	14.9
Human Immunodeficiency Virus Infection	4	4.2	0	0.0	0	0.0	0	0.0	2	4.2
Malignant Neoplasms	243	254.0	23	311.1	31	300.3	16	206.6	148	314.3
---of Digestive Organs	35	36.6	9	121.8	5	48.4	1	12.9	23	48.8
-----Colon	12	12.5	6	81.2	1	9.7	1	12.9	8	17.0
-----Pancreas	5	5.2	1	13.5	1	9.7	0	0.0	8	17.0
---of Respiratory and Intrathoracic Organs	94	98.2	7	94.7	18	174.4	4	51.6	65	138.0
-----Trachea, Bronchus, and Lung	87	90.9	7	94.7	17	164.7	4	51.6	64	135.9
---of Breast	23	24.0	1	13.5	1	9.7	0	0.0	9	19.1
---of Genitourinary Organs	26	27.2	2	27.1	2	19.4	5	64.6	19	40.3
-----Cervix Uteri	2	2.1	0	0.0	0	0.0	0	0.0	2	4.2
-----Ovary	5	5.2	0	0.0	0	0.0	1	12.9	4	8.5
-----Prostate	11	11.5	1	13.5	0	0.0	3	38.7	6	12.7
-----Bladder	2	2.1	0	0.0	1	9.7	0	0.0	2	4.2
---All Other (Malignant Neoplasms)	65	67.9	4	54.1	5	48.4	6	77.5	32	68.0
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	4	4.2	0	0.0	0	0.0	0	0.0	5	10.6
Diabetes Mellitus	41	42.9	5	67.6	1	9.7	7	90.4	23	48.8
Alzheimer's Disease	32	33.4	0	0.0	3	29.1	0	0.0	14	29.7
Major Cardiovascular Disease	480	501.7	43	581.7	50	484.3	23	297.0	242	513.9
---Diseases of the Heart	367	383.6	31	419.4	38	368.1	17	219.5	183	388.6
-----Ischemic Heart Disease	275	287.4	24	324.7	26	251.8	12	154.9	135	286.7
---Essential Hypertension and Hypertensive Renal Disease	6	6.3	1	13.5	2	19.4	0	0.0	7	14.9
---Cerebrovascular Diseases	96	100.3	10	135.3	8	77.5	5	64.6	37	78.6
-----Atherosclerosis	1	1.0	1	13.5	0	0.0	0	0.0	2	4.2
---Other Diseases of Arteries, Arterioles, and Capillaries	10	10.5	0	0.0	2	19.4	1	12.9	13	27.6
Influenza and Pneumonia	17	17.8	2	27.1	1	9.7	1	12.9	15	31.9
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	17	17.8	2	27.1	1	9.7	1	12.9	15	31.9
Chronic Lower Respiratory Diseases	68	71.1	8	108.2	7	67.8	8	103.3	44	93.4
Lung Diseases due to External Agents	9	9.4	0	0.0	2	19.4	2	25.8	13	27.6
---Coalworker's Pneumoconiosis	1	1.0	0	0.0	1	9.7	0	0.0	7	14.9
Chronic Liver Disease and Cirrhosis	16	16.7	1	13.5	2	19.4	0	0.0	14	29.7
Nephritis, Nephrotic Syndrome, and Nephrosis	26	27.2	0	0.0	3	29.1	2	25.8	14	29.7
Congenital Anomalies	3	3.1	0	0.0	0	0.0	0	0.0	4	8.5
Ill-Defined and Unknown Causes of Death	7	7.3	1	13.5	0	0.0	1	12.9	9	19.1
Accidents	42	43.9	5	67.6	6	58.1	2	25.8	34	72.2
---Motor Vehicle Injuries	13	13.6	2	27.1	4	38.7	2	25.8	10	21.2
---Falls	10	10.5	2	27.1	0	0.0	0	0.0	4	8.5
---Smoke, Fires, and Flames	3	3.1	0	0.0	0	0.0	0	0.0	3	6.4
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	3	6.4
---Poisonings	8	8.4	0	0.0	0	0.0	0	0.0	6	12.7
---Other Accidents	8	8.4	1	13.5	2	19.4	0	0.0	8	17.0
Intentional Self-Harm	12	12.5	2	27.1	3	29.1	3	38.7	4	8.5
Assault	4	4.2	0	0.0	0	0.0	0	0.0	3	6.4
All Other Causes (Residual)	138	144.2	8	108.2	7	67.8	11	142.0	79	167.8

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (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	0	0.0	2	5.5	0	0.0	2	6.1
Total Deaths, All Causes	64	9.0	126	11.1	466	13.5	190	9.1	451	14.0
---Deaths under 1 Year	0	0.0	2	15.6	2	5.5	3	14.1	2	6.1
---Deaths under 28 Days	0	0.0	1	7.8	2	5.5	3	14.1	1	3.0
Tuberculosis	0	0.0	0	0.0	1	2.9	0	0.0	0	0.0
Septicemia	3	42.1	2	17.6	5	14.5	2	9.6	16	49.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	2.9	0	0.0	0	0.0
Malignant Neoplasms	17	238.8	22	194.0	105	304.5	31	149.1	92	285.2
---of Digestive Organs	4	56.2	5	44.1	17	49.3	6	28.8	21	65.1
-----Colon	4	56.2	0	0.0	7	20.3	3	14.4	6	18.6
-----Pancreas	0	0.0	0	0.0	1	2.9	1	4.8	6	18.6
---of Respiratory and Intrathoracic Organs	6	84.3	7	61.7	34	98.6	13	62.5	23	71.3
-----Trachea, Bronchus, and Lung	6	84.3	5	44.1	33	95.7	13	62.5	23	71.3
---of Breast	1	14.0	0	0.0	7	20.3	0	0.0	6	18.6
---of Genitourinary Organs	3	42.1	2	17.6	15	43.5	4	19.2	7	21.7
-----Cervix Uteri	1	14.0	0	0.0	0	0.0	1	4.8	0	0.0
-----Ovary	0	0.0	0	0.0	3	8.7	1	4.8	3	9.3
-----Prostate	0	0.0	1	8.8	7	20.3	0	0.0	0	0.0
-----Bladder	0	0.0	0	0.0	1	2.9	2	9.6	1	3.1
---All Other (Malignant Neoplasms)	3	42.1	8	70.5	32	92.8	8	38.5	35	108.5
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	0	0.0	5	14.5	1	4.8	4	12.4
Diabetes Mellitus	3	42.1	2	17.6	22	63.8	11	52.9	18	55.8
Alzheimer's Disease	2	28.1	1	8.8	7	20.3	1	4.8	6	18.6
Major Cardiovascular Disease	26	365.2	59	520.3	150	435.0	62	298.1	200	620.0
---Diseases of the Heart	22	309.0	48	423.3	109	316.1	50	240.4	164	508.4
-----Ischemic Heart Disease	16	224.7	39	343.9	69	200.1	38	182.7	110	341.0
---Essential Hypertension and Hypertensive Renal Disease	0	0.0	0	0.0	2	5.8	1	4.8	0	0.0
---Cerebrovascular Diseases	3	42.1	4	35.3	33	95.7	8	38.5	34	105.4
---Atherosclerosis	1	14.0	7	61.7	1	2.9	1	4.8	0	0.0
---Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	0	0.0	5	14.5	2	9.6	2	6.2
Influenza and Pneumonia	2	28.1	4	35.3	17	49.3	3	14.4	16	49.6
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	2	28.1	4	35.3	17	49.3	3	14.4	16	49.6
Chronic Lower Respiratory Diseases	1	14.0	6	52.9	28	81.2	13	62.5	17	52.7
Lung Diseases due to External Agents	0	0.0	2	17.6	9	26.1	2	9.6	3	9.3
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	5	14.5	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	3	8.7	6	28.8	7	21.7
Nephritis, Nephrotic Syndrome, and Nephrosis	0	0.0	3	26.5	9	26.1	4	19.2	7	21.7
Congenital Anomalies	0	0.0	0	0.0	1	2.9	0	0.0	1	3.1
Ill-Defined and Unknown Causes of Death	0	0.0	3	26.5	5	14.5	8	38.5	5	15.5
Accidents	2	28.1	10	88.2	12	34.8	17	81.7	10	31.0
---Motor Vehicle Injuries	0	0.0	5	44.1	5	14.5	9	43.3	3	9.3
---Falls	1	14.0	3	26.5	1	2.9	2	9.6	1	3.1
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	1	4.8	1	3.1
---Drownings	0	0.0	2	17.6	1	2.9	0	0.0	1	3.1
---Poisonings	0	0.0	0	0.0	3	8.7	1	4.8	0	0.0
---Other Accidents	1	14.0	0	0.0	2	5.8	4	19.2	4	12.4
Intentional Self-Harm	0	0.0	1	8.8	8	23.2	1	4.8	3	9.3
Assault	0	0.0	1	8.8	2	5.8	1	4.8	0	0.0
All Other Causes (Residual)	8	112.4	10	88.2	76	220.4	27	129.8	46	142.6

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (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	1	1.3	6	17.9	6	10.6	19	8.2
Total Deaths, All Causes	149	11.7	873	12.8	305	10.9	364	8.4	2,553	12.9
---Deaths under 1 Year	0	0.0	3	3.8	1	3.0	5	8.8	17	7.4
---Deaths under 28 Days	0	0.0	2	2.6	1	3.0	4	7.1	15	6.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5
Septicemia	0	0.0	16	23.5	3	10.7	7	16.1	29	14.7
Human Immunodeficiency Virus Infection	0	0.0	2	2.9	0	0.0	1	2.3	4	2.0
Malignant Neoplasms	24	188.4	203	298.6	82	291.8	85	195.2	591	299.5
---of Digestive Organs	4	31.4	40	58.8	14	49.8	20	45.9	131	66.4
-----Colon	1	7.8	15	22.1	4	14.2	8	18.4	64	32.4
-----Pancreas	0	0.0	8	11.8	2	7.1	5	11.5	18	9.1
---of Respiratory and Intrathoracic Organs	7	54.9	74	108.8	28	99.6	31	71.2	199	100.8
-----Trachea, Bronchus, and Lung	7	54.9	73	107.4	28	99.6	30	68.9	193	97.8
---of Breast	1	7.8	9	13.2	8	28.5	9	20.7	31	15.7
---of Genitourinary Organs	4	31.4	25	36.8	8	28.5	9	20.7	91	46.1
-----Cervix Uteri	0	0.0	3	4.4	1	3.6	0	0.0	5	2.5
-----Ovary	2	15.7	4	5.9	0	0.0	1	2.3	23	11.7
-----Prostate	1	7.8	11	16.2	5	17.8	5	11.5	26	13.2
-----Bladder	1	7.8	2	2.9	1	3.6	1	2.3	11	5.6
---All Other (Malignant Neoplasms)	8	62.8	55	80.9	24	85.4	16	36.7	139	70.4
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	7.8	3	4.4	0	0.0	2	4.6	11	5.6
Diabetes Mellitus	5	39.2	43	63.2	16	56.9	14	32.2	108	54.7
Alzheimer's Disease	3	23.5	14	20.6	7	24.9	11	25.3	65	32.9
Major Cardiovascular Disease	67	525.9	347	510.4	110	391.5	142	326.1	919	465.7
---Diseases of the Heart	49	384.6	269	395.7	79	281.1	110	252.6	701	355.2
-----Ischemic Heart Disease	27	211.9	203	298.6	59	210.0	55	126.3	471	238.7
---Essential Hypertension and Hypertensive Renal Disease	0	0.0	6	8.8	3	10.7	2	4.6	37	18.7
---Cerebrovascular Diseases	14	109.9	56	82.4	19	67.6	25	57.4	151	76.5
---Atherosclerosis	2	15.7	6	8.8	4	14.2	1	2.3	10	5.1
---Other Diseases of Arteries, Arterioles, and Capillaries	2	15.7	10	14.7	5	17.8	4	9.2	20	10.1
Influenza and Pneumonia	4	31.4	8	11.8	13	46.3	10	23.0	53	26.9
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	4	2.0
---Pneumonia	4	31.4	8	11.8	13	46.3	10	23.0	49	24.8
Chronic Lower Respiratory Diseases	6	47.1	48	70.6	22	78.3	19	43.6	153	77.5
Lung Diseases due to External Agents	0	0.0	7	10.3	1	3.6	0	0.0	16	8.1
---Coalworker's Pneumoconiosis	0	0.0	1	1.5	0	0.0	0	0.0	3	1.5
Chronic Liver Disease and Cirrhosis	1	7.8	11	16.2	1	3.6	7	16.1	29	14.7
Nephritis, Nephrotic Syndrome, and Nephrosis	4	31.4	15	22.1	5	17.8	3	6.9	47	23.8
Congenital Anomalies	0	0.0	2	2.9	0	0.0	2	4.6	12	6.1
Ill-Defined and Unknown Causes of Death	10	78.5	3	4.4	0	0.0	11	25.3	18	9.1
Accidents	6	47.1	28	41.2	11	39.1	7	16.1	94	47.6
---Motor Vehicle Injuries	6	47.1	14	20.6	6	21.4	4	9.2	34	17.2
---Falls	0	0.0	4	5.9	2	7.1	1	2.3	17	8.6
---Smoke, Fires, and Flames	0	0.0	1	1.5	0	0.0	0	0.0	2	1.0
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5
---Poisonings	0	0.0	4	5.9	2	7.1	1	2.3	16	8.1
---Other Accidents	0	0.0	5	7.4	1	3.6	1	2.3	24	12.2
Intentional Self-Harm	4	31.4	7	10.3	7	24.9	4	9.2	35	17.7
Assault	1	7.8	1	1.5	0	0.0	0	0.0	9	4.6
All Other Causes (Residual)	13	102.0	115	169.1	27	96.1	39	89.6	359	181.9

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (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	1	4.8	0	0.0	4	8.6	1	3.4	3	5.0
Total Deaths, All Causes	207	12.3	261	11.7	497	13.5	395	14.9	803	14.2
---Deaths under 1 Year	1	4.8	7	27.9	7	15.1	2	6.9	2	3.4
---Deaths under 28 Days	0	0.0	7	27.9	4	8.6	0	0.0	1	1.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	7	41.4	6	26.9	7	19.0	8	30.1	15	26.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	2	5.4	0	0.0	2	3.5
Malignant Neoplasms	50	295.9	64	286.8	117	317.1	83	312.4	190	337.0
---of Digestive Organs	14	82.9	10	44.8	27	73.2	17	64.0	38	67.4
-----Colon	6	35.5	5	22.4	13	35.2	5	18.8	18	31.9
-----Pancreas	3	17.8	0	0.0	2	5.4	3	11.3	5	8.9
---of Respiratory and Intrathoracic Organs	10	59.2	24	107.5	38	103.0	27	101.6	66	117.1
-----Trachea, Bronchus, and Lung	10	59.2	24	107.5	36	97.6	25	94.1	65	115.3
---of Breast	2	11.8	3	13.4	3	8.1	9	33.9	17	30.2
---of Genitourinary Organs	11	65.1	9	40.3	23	62.3	6	22.6	24	42.6
-----Cervix Uteri	0	0.0	0	0.0	4	10.8	2	7.5	1	1.8
-----Ovary	6	35.5	1	4.5	6	16.3	1	3.8	5	8.9
-----Prostate	2	11.8	5	22.4	3	8.1	2	7.5	6	10.6
-----Bladder	1	5.9	2	9.0	3	8.1	1	3.8	6	10.6
---All Other (Malignant Neoplasms)	13	76.9	18	80.7	26	70.5	24	90.3	45	79.8
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	5.9	1	4.5	6	16.3	1	3.8	4	7.1
Diabetes Mellitus	12	71.0	7	31.4	30	81.3	16	60.2	36	63.9
Alzheimer's Disease	1	5.9	6	26.9	5	13.6	2	7.5	9	16.0
Major Cardiovascular Disease	73	432.0	97	434.7	184	498.7	153	575.9	306	542.8
---Diseases of the Heart	52	307.7	76	340.6	160	433.6	127	478.0	252	447.0
-----Ischemic Heart Disease	38	224.9	54	242.0	104	281.9	95	357.6	174	308.7
---Essential Hypertension and Hypertensive Renal Disease	0	0.0	3	13.4	5	13.6	2	7.5	7	12.4
---Cerebrovascular Diseases	16	94.7	18	80.7	15	40.7	18	67.8	35	62.1
---Atherosclerosis	2	11.8	0	0.0	1	2.7	0	0.0	3	5.3
---Other Diseases of Arteries, Arterioles, and Capillaries	3	17.8	0	0.0	3	8.1	6	22.6	9	16.0
Influenza and Pneumonia	4	23.7	6	26.9	9	24.4	2	7.5	20	35.5
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	4	23.7	6	26.9	9	24.4	2	7.5	20	35.5
Chronic Lower Respiratory Diseases	17	100.6	16	71.7	23	62.3	27	101.6	63	111.8
Lung Diseases due to External Agents	1	5.9	0	0.0	12	32.5	13	48.9	10	17.7
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	8	21.7	9	33.9	1	1.8
Chronic Liver Disease and Cirrhosis	0	0.0	2	9.0	5	13.6	1	3.8	6	10.6
Nephritis, Nephrotic Syndrome, and Nephrosis	5	29.6	6	26.9	12	32.5	10	37.6	22	39.0
Congenital Anomalies	0	0.0	1	4.5	1	2.7	1	3.8	3	5.3
Ill-Defined and Unknown Causes of Death	0	0.0	0	0.0	2	5.4	12	45.2	2	3.5
Accidents	7	41.4	12	53.8	22	59.6	31	116.7	26	46.1
---Motor Vehicle Injuries	3	17.8	4	17.9	10	27.1	12	45.2	11	19.5
---Falls	1	5.9	4	17.9	2	5.4	1	3.8	2	3.5
---Smoke, Fires, and Flames	0	0.0	0	0.0	1	2.7	0	0.0	1	1.8
---Drownings	0	0.0	0	0.0	1	2.7	0	0.0	0	0.0
---Poisonings	0	0.0	3	13.4	4	10.8	13	48.9	3	5.3
---Other Accidents	3	17.8	1	4.5	4	10.8	5	18.8	9	16.0
Intentional Self-Harm	7	41.4	2	9.0	7	19.0	7	26.3	9	16.0
Assault	0	0.0	1	4.5	1	2.7	6	22.6	0	0.0
All Other Causes (Residual)	22	130.2	34	152.4	52	140.9	22	82.8	80	141.9

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (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
Fetal Deaths	2	5.5	3	11.0	4	5.5	2	6.1	3	8.0
Total Deaths, All Causes	349	9.9	265	10.1	833	13.4	316	11.7	318	11.5
---Deaths under 1 Year	3	8.2	0	0.0	4	5.5	2	6.1	5	13.3
---Deaths under 28 Days	3	8.2	0	0.0	4	5.5	2	6.1	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	5	14.2	1	3.8	19	30.5	6	22.2	8	28.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	1.6	0	0.0	0	0.0
Malignant Neoplasms	73	207.6	72	275.1	161	258.2	74	273.5	65	234.5
---of Digestive Organs	18	51.2	16	61.1	34	54.5	17	62.8	17	61.3
-----Colon	4	11.4	5	19.1	19	30.5	5	18.5	10	36.1
-----Pancreas	5	14.2	1	3.8	8	12.8	6	22.2	4	14.4
---of Respiratory and Intrathoracic Organs	22	62.6	30	114.6	46	73.8	22	81.3	21	75.8
-----Trachea, Bronchus, and Lung	21	59.7	30	114.6	46	73.8	21	77.6	20	72.2
---of Breast	5	14.2	6	22.9	17	27.3	5	18.5	6	21.6
---of Genitourinary Organs	11	31.3	6	22.9	21	33.7	11	40.7	9	32.5
-----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	2	7.2
-----Ovary	0	0.0	1	3.8	4	6.4	3	11.1	0	0.0
-----Prostate	6	17.1	2	7.6	8	12.8	3	11.1	3	10.8
-----Bladder	1	2.8	0	0.0	5	8.0	3	11.1	2	7.2
---All Other (Malignant Neoplasms)	17	48.3	14	53.5	43	69.0	19	70.2	12	43.3
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	1	3.8	3	4.8	1	3.7	2	7.2
Diabetes Mellitus	16	45.5	6	22.9	25	40.1	13	48.0	8	28.9
Alzheimer's Disease	8	22.7	9	34.4	17	27.3	2	7.4	1	3.6
Major Cardiovascular Disease	147	418.0	106	405.0	291	466.7	114	421.3	108	389.7
---Diseases of the Heart	120	341.2	98	374.4	232	372.1	92	340.0	86	310.3
-----Ischemic Heart Disease	91	258.7	69	263.6	146	234.1	73	269.8	60	216.5
---Essential Hypertension and Hypertensive Renal Disease	1	2.8	0	0.0	8	12.8	2	7.4	2	7.2
---Cerebrovascular Diseases	20	56.9	8	30.6	43	69.0	15	55.4	13	46.9
---Atherosclerosis	1	2.8	0	0.0	0	0.0	0	0.0	1	3.6
---Other Diseases of Arteries, Arterioles, and Capillaries	5	14.2	0	0.0	8	12.8	5	18.5	6	21.6
Influenza and Pneumonia	7	19.9	7	26.7	24	38.5	6	22.2	6	21.6
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	7	19.9	7	26.7	24	38.5	6	22.2	6	21.6
Chronic Lower Respiratory Diseases	18	51.2	16	61.1	63	101.0	21	77.6	29	104.6
Lung Diseases due to External Agents	4	11.4	0	0.0	19	30.5	3	11.1	2	7.2
---Coalworker's Pneumoconiosis	2	5.7	0	0.0	11	17.6	0	0.0	1	3.6
Chronic Liver Disease and Cirrhosis	2	5.7	1	3.8	10	16.0	2	7.4	3	10.8
Nephritis, Nephrotic Syndrome, and Nephrosis	7	19.9	6	22.9	19	30.5	5	18.5	6	21.6
Congenital Anomalies	1	2.8	1	3.8	1	1.6	1	3.7	0	0.0
Ill-Defined and Unknown Causes of Death	2	5.7	0	0.0	19	30.5	3	11.1	4	14.4
Accidents	14	39.8	14	53.5	31	49.7	16	59.1	29	104.6
---Motor Vehicle Injuries	6	17.1	6	22.9	12	19.2	10	37.0	14	50.5
---Falls	2	5.7	2	7.6	4	6.4	2	7.4	4	14.4
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	1	3.7	0	0.0
---Drownings	1	2.8	0	0.0	2	3.2	0	0.0	0	0.0
---Poisonings	2	5.7	2	7.6	9	14.4	2	7.4	3	10.8
---Other Accidents	3	8.5	4	15.3	4	6.4	1	3.7	8	28.9
Intentional Self-Harm	3	8.5	5	19.1	15	24.1	5	18.5	3	10.8
Assault	0	0.0	1	3.8	5	8.0	2	7.4	0	0.0
All Other Causes (Residual)	42	119.4	19	72.6	110	176.4	42	155.2	44	158.8

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (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	6	7.0	0	0.0	0	0.0	1	3.9	7	13.8
Total Deaths, All Causes	656	8.0	138	9.4	172	11.3	279	10.6	632	13.5
---Deaths under 1 Year	1	1.2	1	7.0	2	13.5	2	7.8	6	11.9
---Deaths under 28 Days	1	1.2	1	7.0	1	6.8	1	3.9	4	7.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	1	2.1
Septicemia	13	15.9	2	13.7	2	13.1	6	22.7	4	8.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	3	6.4
Malignant Neoplasms	164	200.4	31	212.2	39	255.3	41	155.2	156	333.7
---of Digestive Organs	33	40.3	5	34.2	7	45.8	10	37.9	45	96.3
----Colon	16	19.6	1	6.8	3	19.6	3	11.4	19	40.6
----Pancreas	8	9.8	3	20.5	1	6.5	3	11.4	12	25.7
---of Respiratory and Intrathoracic Organs	55	67.2	10	68.4	18	117.8	17	64.3	47	100.5
----Trachea, Bronchus, and Lung	50	61.1	10	68.4	18	117.8	17	64.3	45	96.3
---of Breast	10	12.2	5	34.2	1	6.5	2	7.6	9	19.3
---of Genitourinary Organs	28	34.2	8	54.8	7	45.8	5	18.9	18	38.5
----Cervix Uteri	0	0.0	0	0.0	1	6.5	1	3.8	2	4.3
----Ovary	5	6.1	1	6.8	1	6.5	1	3.8	5	10.7
----Prostate	8	9.8	4	27.4	1	6.5	2	7.6	3	6.4
----Bladder	8	9.8	3	20.5	2	13.1	0	0.0	5	10.7
---All Other (Malignant Neoplasms)	38	46.4	3	20.5	6	39.3	7	26.5	37	79.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	4	4.9	1	6.8	1	6.5	1	3.8	2	4.3
Diabetes Mellitus	24	29.3	8	54.8	5	32.7	16	60.6	15	32.1
Alzheimer's Disease	29	35.4	3	20.5	3	19.6	5	18.9	13	27.8
Major Cardiovascular Disease	239	292.1	45	308.0	65	425.5	104	393.6	273	584.0
---Diseases of the Heart	197	240.8	33	225.9	50	327.3	84	317.9	205	438.5
----Ischemic Heart Disease	133	162.6	24	164.3	38	248.8	61	230.9	156	333.7
---Essential Hypertension and Hypertensive Renal Disease	5	6.1	0	0.0	1	6.5	1	3.8	4	8.6
---Cerebrovascular Diseases	28	34.2	7	47.9	12	78.6	14	53.0	51	109.1
---Atherosclerosis	2	2.4	0	0.0	0	0.0	1	3.8	5	10.7
---Other Diseases of Arteries, Arterioles, and Capillaries	7	8.6	5	34.2	2	13.1	4	15.1	8	17.1
Influenza and Pneumonia	9	11.0	4	27.4	4	26.2	5	18.9	15	32.1
---Influenza	0	0.0	0	0.0	0	0.0	1	3.8	0	0.0
---Pneumonia	9	11.0	4	27.4	4	26.2	4	15.1	15	32.1
Chronic Lower Respiratory Diseases	35	42.8	9	61.6	8	52.4	25	94.6	38	81.3
Lung Diseases due to External Agents	6	7.3	1	6.8	3	19.6	7	26.5	8	17.1
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	2	7.6	0	0.0
Chronic Liver Disease and Cirrhosis	7	8.6	3	20.5	1	6.5	1	3.8	5	10.7
Nephritis, Nephrotic Syndrome, and Nephrosis	11	13.4	6	41.1	5	32.7	7	26.5	2	4.3
Congenital Anomalies	2	2.4	1	6.8	0	0.0	2	7.6	3	6.4
Ill-Defined and Unknown Causes of Death	1	1.2	5	34.2	3	19.6	0	0.0	6	12.8
Accidents	19	23.2	1	6.8	12	78.6	15	56.8	8	17.1
---Motor Vehicle Injuries	8	9.8	0	0.0	6	39.3	9	34.1	2	4.3
---Falls	5	6.1	0	0.0	1	6.5	1	3.8	2	4.3
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	2	7.6	0	0.0
---Drownings	1	1.2	0	0.0	1	6.5	0	0.0	0	0.0
---Poisonings	1	1.2	0	0.0	1	6.5	1	3.8	1	2.1
---Other Accidents	4	4.9	1	6.8	3	19.6	2	7.6	3	6.4
Intentional Self-Harm	9	11.0	0	0.0	3	19.6	6	22.7	3	6.4
Assault	0	0.0	0	0.0	0	0.0	1	3.8	1	2.1
All Other Causes (Residual)	84	102.7	18	123.2	18	117.8	37	140.0	76	162.6

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (continued)

Selected Causes of Death	Number and Rate by County									
	Pendleton		Pleasants		Pocahontas		Preston		Putnam	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	1	11.0	0	0.0	1	3.5	5	7.8
Total Deaths, All Causes	68	8.4	90	11.9	128	14.2	298	10.1	419	8.1
---Deaths under 1 Year	0	0.0	0	0.0	1	12.8	5	17.6	8	12.6
---Deaths under 28 Days	0	0.0	0	0.0	0	0.0	3	10.6	6	9.4
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	12.4	0	0.0	2	22.2	1	3.4	10	19.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	1	1.9
Malignant Neoplasms	12	148.7	22	289.9	26	289.0	65	220.8	93	180.0
---of Digestive Organs	3	37.2	5	65.9	1	11.1	18	61.1	17	32.9
----Colon	2	24.8	1	13.2	0	0.0	10	34.0	9	17.4
----Pancreas	0	0.0	3	39.5	1	11.1	5	17.0	3	5.8
---of Respiratory and Intrathoracic Organs	3	37.2	6	79.1	11	122.3	18	61.1	34	65.8
----Trachea, Bronchus, and Lung	3	37.2	6	79.1	11	122.3	18	61.1	32	61.9
---of Breast	1	12.4	1	13.2	2	22.2	2	6.8	9	17.4
---of Genitourinary Organs	4	49.6	3	39.5	4	44.5	10	34.0	16	31.0
----Cervix Uteri	1	12.4	0	0.0	0	0.0	1	3.4	2	3.9
----Ovary	0	0.0	1	13.2	0	0.0	0	0.0	4	7.7
----Prostate	1	12.4	1	13.2	2	22.2	4	13.6	2	3.9
----Bladder	1	12.4	1	13.2	2	22.2	1	3.4	1	1.9
---All Other (Malignant Neoplasms)	1	12.4	7	92.2	8	88.9	17	57.7	17	32.9
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	0	0.0	1	11.1	2	6.8	0	0.0
Diabetes Mellitus	2	24.8	9	118.6	5	55.6	10	34.0	16	31.0
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	10	34.0	7	13.5
Major Cardiovascular Disease	34	421.3	34	448.0	42	466.9	120	407.6	146	282.5
---Diseases of the Heart	26	322.2	27	355.8	29	322.4	93	315.9	112	216.7
----Ischemic Heart Disease	17	210.7	17	224.0	21	233.4	63	214.0	86	166.4
---Essential Hypertension and Hypertensive Renal Disease	0	0.0	0	0.0	1	11.1	1	3.4	2	3.9
---Cerebrovascular Diseases	8	99.1	3	39.5	9	100.0	17	57.7	22	42.6
---Atherosclerosis	0	0.0	1	13.2	1	11.1	2	6.8	1	1.9
---Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	3	39.5	2	22.2	7	23.8	9	17.4
Influenza and Pneumonia	3	37.2	4	52.7	2	22.2	5	17.0	11	21.3
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	3	37.2	4	52.7	2	22.2	5	17.0	11	21.3
Chronic Lower Respiratory Diseases	3	37.2	4	52.7	8	88.9	16	54.3	21	40.6
Lung Diseases due to External Agents	0	0.0	1	13.2	1	11.1	2	6.8	3	5.8
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	3.4	1	1.9
Chronic Liver Disease and Cirrhosis	1	12.4	0	0.0	2	22.2	2	6.8	6	11.6
Nephritis, Nephrotic Syndrome, and Nephrosis	2	24.8	0	0.0	9	100.0	3	10.2	7	13.5
Congenital Anomalies	0	0.0	1	13.2	0	0.0	2	6.8	2	3.9
Ill-Defined and Unknown Causes of Death	0	0.0	1	13.2	6	66.7	2	6.8	2	3.9
Accidents	4	49.6	3	39.5	9	100.0	9	30.6	27	52.2
---Motor Vehicle Injuries	1	12.4	1	13.2	4	44.5	4	13.6	16	31.0
---Falls	1	12.4	1	13.2	0	0.0	2	6.8	2	3.9
---Smoke, Fires, and Flames	1	12.4	0	0.0	0	0.0	0	0.0	0	0.0
---Drownings	1	12.4	0	0.0	0	0.0	2	6.8	0	0.0
---Poisonings	0	0.0	1	13.2	2	22.2	0	0.0	4	7.7
---Other Accidents	0	0.0	0	0.0	3	33.3	1	3.4	5	9.7
Intentional Self-Harm	1	12.4	2	26.4	3	33.3	7	23.8	8	15.5
Assault	0	0.0	1	13.2	1	11.1	0	0.0	4	7.7
All Other Causes (Residual)	5	62.0	8	105.4	11	122.3	42	142.6	55	106.4

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (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	11	12.6	3	9.9	0	0.0	1	6.4	2	20.6
Total Deaths, All Causes	941	12.0	346	12.3	125	12.1	198	12.9	177	13.8
---Deaths under 1 Year	4	4.6	1	3.3	1	8.5	0	0.0	1	10.3
---Deaths under 28 Days	1	1.1	1	3.3	1	8.5	0	0.0	1	10.3
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	19	24.2	10	35.4	5	48.6	4	26.0	5	39.1
Human Immunodeficiency Virus Infection	2	2.5	1	3.5	1	9.7	2	13.0	0	0.0
Malignant Neoplasms	193	245.7	86	304.6	28	272.1	36	234.3	44	343.9
---of Digestive Organs	31	39.5	19	67.3	5	48.6	7	45.6	9	70.3
-----Colon	14	17.8	5	17.7	4	38.9	0	0.0	4	31.3
-----Pancreas	2	2.5	3	10.6	0	0.0	2	13.0	1	7.8
---of Respiratory and Intrathoracic Organs	58	73.8	27	95.6	11	106.9	14	91.1	20	156.3
-----Trachea, Bronchus, and Lung	55	70.0	27	95.6	11	106.9	12	78.1	19	148.5
---of Breast	15	19.1	3	10.6	0	0.0	4	26.0	1	7.8
---of Genitourinary Organs	27	34.4	12	42.5	4	38.9	3	19.5	6	46.9
-----Cervix Uteri	2	2.5	0	0.0	1	9.7	0	0.0	0	0.0
-----Ovary	2	2.5	2	7.1	0	0.0	0	0.0	2	15.6
-----Prostate	16	20.4	2	7.1	1	9.7	0	0.0	2	15.6
-----Bladder	1	1.3	4	14.2	1	9.7	0	0.0	0	0.0
---All Other (Malignant Neoplasms)	62	78.9	25	88.6	8	77.7	8	52.1	8	62.5
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	9	11.5	1	3.5	0	0.0	1	6.5	2	15.6
Diabetes Mellitus	33	42.0	11	39.0	1	9.7	3	19.5	6	46.9
Alzheimer's Disease	20	25.5	14	49.6	0	0.0	4	26.0	2	15.6
Major Cardiovascular Disease	377	480.0	129	456.9	52	505.3	96	624.8	61	476.7
---Diseases of the Heart	308	392.1	102	361.3	41	398.4	75	488.2	54	422.0
-----Ischemic Heart Disease	199	253.3	70	248.0	28	272.1	61	397.0	45	351.7
---Essential Hypertension and Hypertensive Renal Disease	4	5.1	0	0.0	1	9.7	1	6.5	0	0.0
---Cerebrovascular Diseases	56	71.3	20	70.8	8	77.7	16	104.1	3	23.4
---Atherosclerosis	0	0.0	3	10.6	1	9.7	2	13.0	0	0.0
---Other Diseases of Arteries, Arterioles, and Capillaries	9	11.5	4	14.2	1	9.7	2	13.0	4	31.3
Influenza and Pneumonia	20	25.5	12	42.5	2	19.4	6	39.1	1	7.8
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	20	25.5	12	42.5	2	19.4	6	39.1	1	7.8
Chronic Lower Respiratory Diseases	50	63.7	22	77.9	7	68.0	9	58.6	11	86.0
Lung Diseases due to External Agents	23	29.3	8	28.3	0	0.0	0	0.0	0	0.0
---Coalworker's Pneumoconiosis	15	19.1	1	3.5	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	7.6	5	17.7	3	29.2	4	26.0	1	7.8
Nephritis, Nephrotic Syndrome, and Nephrosis	11	14.0	3	10.6	4	38.9	1	6.5	1	7.8
Congenital Anomalies	1	1.3	1	3.5	2	19.4	1	6.5	1	7.8
Ill-Defined and Unknown Causes of Death	7	8.9	1	3.5	0	0.0	1	6.5	4	31.3
Accidents	43	54.7	11	39.0	5	48.6	4	26.0	7	54.7
---Motor Vehicle Injuries	21	26.7	2	7.1	2	19.4	1	6.5	2	15.6
---Falls	4	5.1	1	3.5	1	9.7	2	13.0	1	7.8
---Smoke, Fires, and Flames	0	0.0	1	3.5	1	9.7	0	0.0	1	7.8
---Drownings	0	0.0	2	7.1	0	0.0	1	6.5	0	0.0
---Poisonings	6	7.6	1	3.5	0	0.0	0	0.0	1	7.8
---Other Accidents	12	15.3	4	14.2	1	9.7	0	0.0	2	15.6
Intentional Self-Harm	16	20.4	3	10.6	2	19.4	4	26.0	5	39.1
Assault	4	5.1	0	0.0	2	19.4	0	0.0	1	7.8
All Other Causes (Residual)	107	136.2	28	99.2	11	106.9	22	143.2	25	195.4

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (continued)

Selected Causes of Death	Number and Rate by County									
	Taylor		Tucker		Tyler		Upsbur		Wayne	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	6.8	0	0.0	2	20.0	1	3.4	5	10.0
Total Deaths, All Causes	203	12.7	70	9.7	104	11.0	262	11.2	452	10.6
--Deaths under 1 Year	2	13.5	0	0.0	0	0.0	3	10.3	2	4.0
--Deaths under 28 Days	2	13.5	0	0.0	0	0.0	3	10.3	1	2.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	7	43.7	2	27.7	4	42.3	2	8.6	3	7.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	47	293.4	19	263.4	14	148.0	50	213.9	96	225.0
--of Digestive Organs	15	93.7	3	41.6	4	42.3	9	38.5	23	53.9
--Colon	7	43.7	0	0.0	2	21.1	2	8.6	10	23.4
--Pancreas	5	31.2	2	27.7	0	0.0	1	4.3	2	4.7
--of Respiratory and Intrathoracic Organs	9	56.2	8	110.9	8	84.6	10	42.8	40	93.8
--Trachea, Bronchus, and Lung	9	56.2	8	110.9	8	84.6	10	42.8	39	91.4
--of Breast	4	25.0	2	27.7	0	0.0	3	12.8	5	11.7
--of Genitourinary Organs	7	43.7	3	41.6	1	10.6	9	38.5	7	16.4
--Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Ovary	2	12.5	0	0.0	1	10.6	3	12.8	1	2.3
--Prostate	4	25.0	3	41.6	0	0.0	1	4.3	0	0.0
--Bladder	0	0.0	0	0.0	0	0.0	2	8.6	4	9.4
--All Other (Malignant Neoplasms)	12	74.9	3	41.6	1	10.6	19	81.3	21	49.2
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	3	18.7	1	13.9	2	21.1	2	8.6	1	2.3
Diabetes Mellitus	7	43.7	2	27.7	4	42.3	7	29.9	12	28.1
Alzheimer's Disease	3	18.7	1	13.9	1	10.6	6	25.7	8	18.8
Major Cardiovascular Disease	76	474.5	30	415.9	55	581.4	115	492.0	196	459.4
--Diseases of the Heart	55	343.4	25	346.5	45	475.7	94	402.2	149	349.2
--Ischemic Heart Disease	48	299.7	19	263.4	33	348.8	65	278.1	105	246.1
--Essential Hypertension and Hypertensive Renal Disease	2	12.5	1	13.9	1	10.6	4	17.1	2	4.7
--Cerebrovascular Diseases	10	62.4	3	41.6	7	74.0	12	51.3	40	93.8
--Atherosclerosis	6	37.5	0	0.0	0	0.0	4	17.1	3	7.0
--Other Diseases of Arteries, Arterioles, and Capillaries	3	18.7	1	13.9	2	21.1	1	4.3	2	4.7
Influenza and Pneumonia	8	49.9	1	13.9	3	31.7	5	21.4	10	23.4
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	8	49.9	1	13.9	3	31.7	5	21.4	10	23.4
Chronic Lower Respiratory Diseases	5	31.2	3	41.6	2	21.1	5	21.4	10	23.4
Lung Diseases due to External Agents	2	12.5	0	0.0	0	0.0	2	8.6	7	16.4
--Coalworker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	2	8.6	1	2.3
Chronic Liver Disease and Cirrhosis	1	6.2	0	0.0	0	0.0	3	12.8	6	14.1
Nephritis, Nephrotic Syndrome, and Nephrosis	7	43.7	1	13.9	2	21.1	4	17.1	4	9.4
Congenital Anomalies	1	6.2	0	0.0	0	0.0	1	4.3	2	4.7
Ill-Defined and Unknown Causes of Death	0	0.0	0	0.0	1	10.6	0	0.0	2	4.7
Accidents	5	31.2	2	27.7	1	10.6	8	34.2	28	65.6
--Motor Vehicle Injuries	1	6.2	1	13.9	0	0.0	3	12.8	16	37.5
--Falls	1	6.2	0	0.0	0	0.0	1	4.3	5	11.7
--Smoke, Fires, and Flames	1	6.2	0	0.0	0	0.0	1	4.3	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	0	0.0	1	13.9	0	0.0	0	0.0	5	11.7
--Other Accidents	2	12.5	0	0.0	1	10.6	3	12.8	2	4.7
Intentional Self-Harm	1	6.2	2	27.7	1	10.6	7	29.9	2	4.7
Assault	0	0.0	0	0.0	0	0.0	0	0.0	2	4.7
All Other Causes (Residual)	30	187.3	6	83.2	14	148.0	29	124.1	46	107.8

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2001
Table 45 (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	0	0.0	5	28.9	0	0.0	6	5.9	2	7.1
Total Deaths, All Causes	117	12.1	206	11.8	50	8.4	1,001	11.4	276	10.9
---Deaths under 1 Year	0	0.0	0	0.0	1	23.3	8	7.9	2	7.1
---Deaths under 28 Days	0	0.0	0	0.0	1	23.3	7	6.9	1	3.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	4	23.0	0	0.0	12	13.7	7	27.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	31	321.5	42	241.4	11	185.3	235	268.4	67	264.6
---of Digestive Organs	5	51.9	10	57.5	1	16.8	49	56.0	11	43.4
----Colon	2	20.7	7	40.2	0	0.0	20	22.8	5	19.7
----Pancreas	2	20.7	2	11.5	0	0.0	14	16.0	0	0.0
---of Respiratory and Intrathoracic Organs	10	103.7	15	86.2	4	67.4	66	75.4	25	98.7
----Trachea, Bronchus, and Lung	10	103.7	15	86.2	4	67.4	65	74.3	25	98.7
---of Breast	2	20.7	1	5.7	1	16.8	14	16.0	1	3.9
---of Genitourinary Organs	7	72.6	8	46.0	1	16.8	30	34.3	11	43.4
----Cervix Uteri	1	10.4	1	5.7	0	0.0	2	2.3	0	0.0
----Ovary	0	0.0	3	17.2	0	0.0	3	3.4	2	7.9
----Prostate	1	10.4	1	5.7	0	0.0	9	10.3	4	15.8
----Bladder	3	31.1	0	0.0	0	0.0	7	8.0	3	11.8
---All Other (Malignant Neoplasms)	7	72.6	8	46.0	4	67.4	76	86.8	19	75.0
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	1	5.7	0	0.0	6	6.9	1	3.9
Diabetes Mellitus	1	10.4	6	34.5	3	50.5	47	53.7	10	39.5
Alzheimer's Disease	0	0.0	2	11.5	1	16.8	10	11.4	3	11.8
Major Cardiovascular Disease	52	539.3	97	557.6	22	370.7	421	480.9	95	375.2
---Diseases of the Heart	39	404.5	75	431.2	18	303.3	285	325.6	77	304.1
----Ischemic Heart Disease	29	300.8	51	293.2	11	185.3	200	228.5	55	217.2
---Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	5.7	0	0.0	11	12.6	4	15.8
---Cerebrovascular Diseases	12	124.5	14	80.5	3	50.5	64	73.1	8	31.6
---Atherosclerosis	1	10.4	2	11.5	1	16.8	51	58.3	0	0.0
---Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	5	28.7	0	0.0	10	11.4	6	23.7
Influenza and Pneumonia	1	10.4	12	69.0	3	50.5	33	37.7	3	11.8
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	1	10.4	12	69.0	3	50.5	33	37.7	3	11.8
Chronic Lower Respiratory Diseases	5	51.9	16	92.0	3	50.5	63	72.0	19	75.0
Lung Diseases due to External Agents	2	20.7	0	0.0	0	0.0	5	5.7	5	19.7
---Coalworker's Pneumoconiosis	1	10.4	0	0.0	0	0.0	0	0.0	3	11.8
Chronic Liver Disease and Cirrhosis	2	20.7	1	5.7	0	0.0	5	5.7	3	11.8
Nephritis, Nephrotic Syndrome, and Nephrosis	2	20.7	4	23.0	0	0.0	22	25.1	6	23.7
Congenital Anomalies	0	0.0	0	0.0	0	0.0	7	8.0	1	3.9
Ill-Defined and Unknown Causes of Death	3	31.1	3	17.2	0	0.0	10	11.4	2	7.9
Accidents	5	51.9	4	23.0	1	16.8	31	35.4	16	63.2
---Motor Vehicle Injuries	5	51.9	3	17.2	1	16.8	17	19.4	7	27.6
---Falls	0	0.0	1	5.7	0	0.0	2	2.3	0	0.0
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	3	3.4	0	0.0
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Poisonings	0	0.0	0	0.0	0	0.0	1	1.1	1	3.9
---Other Accidents	0	0.0	0	0.0	0	0.0	8	9.1	8	31.6
Intentional Self-Harm	2	20.7	2	11.5	0	0.0	9	10.3	5	19.7
Assault	0	0.0	0	0.0	0	0.0	1	1.1	1	3.9
All Other Causes (Residual)	11	114.1	12	69.0	6	101.1	84	96.0	32	126.4

**Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2001
Table 46**

Selected Causes of Death	Number and Rate by City									
	Beckley		Bluefield		Charleston		Clarksburg		Fairmont	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	11.1	1	6.7	10	13.6	1	4.2	1	3.4
Total Deaths, All Causes	325	18.8	222	19.4	821	15.4	311	18.6	361	18.9
---Deaths under 1 Year	2	7.4	1	6.7	6	8.2	1	4.2	0	0.0
---Deaths under 28 Days	1	3.7	1	6.7	5	6.8	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	23.2	6	52.4	10	18.7	5	29.9	8	41.9
Human Immunodeficiency Virus Infection	2	11.6	0	0.0	2	3.7	0	0.0	1	5.2
Malignant Neoplasms	59	341.9	45	393.0	178	333.2	78	465.9	79	413.7
---of Digestive Organs	14	81.1	11	96.1	38	71.1	17	101.5	18	94.3
-----Colon	8	46.4	7	61.1	18	33.7	4	23.9	8	41.9
-----Pancreas	2	11.6	1	8.7	7	13.1	3	17.9	3	15.7
---of Respiratory and Intrathoracic Organs	20	115.9	11	96.1	55	103.0	25	149.3	26	136.1
-----Trachea, Bronchus, and Lung	19	110.1	11	96.1	53	99.2	25	149.3	25	130.9
---of Breast	4	23.2	3	26.2	12	22.5	4	23.9	10	52.4
---of Genitourinary Organs	12	69.5	10	87.3	33	61.8	10	59.7	9	47.1
-----Cervix Uteri	2	11.6	0	0.0	1	1.9	1	6.0	1	5.2
-----Ovary	1	5.8	2	17.5	10	18.7	1	6.0	2	10.5
-----Prostate	7	40.6	3	26.2	9	16.8	7	41.8	3	15.7
-----Bladder	0	0.0	4	34.9	4	7.5	0	0.0	2	10.5
---All Other (Malignant Neoplasms)	9	52.2	10	87.3	40	74.9	22	131.4	16	83.8
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	5	29.0	1	8.7	2	3.7	2	11.9	0	0.0
Diabetes Mellitus	11	63.8	8	69.9	34	63.6	14	83.6	17	89.0
Alzheimer's Disease	5	29.0	7	61.1	22	41.2	5	29.9	5	26.2
Major Cardiovascular Disease	140	811.4	77	672.4	305	570.9	134	800.3	145	759.3
---Diseases of the Heart	115	666.5	61	532.7	222	415.6	110	657.0	113	591.7
-----Ischemic Heart Disease	76	440.5	39	340.6	134	250.8	85	507.7	76	398.0
---Essential Hypertension and Hypertensive Renal Disease	2	11.6	4	34.9	19	35.6	2	11.9	3	15.7
---Cerebrovascular Diseases	19	110.1	10	87.3	52	97.3	19	113.5	20	104.7
---Atherosclerosis	0	0.0	0	0.0	4	7.5	0	0.0	3	15.7
---Other Diseases of Arteries, Arterioles, and Capillaries	4	23.2	2	17.5	8	15.0	3	17.9	6	31.4
Influenza and Pneumonia	8	46.4	13	113.5	14	26.2	2	11.9	8	41.9
---Influenza	0	0.0	0	0.0	2	3.7	0	0.0	0	0.0
---Pneumonia	8	46.4	13	113.5	12	22.5	2	11.9	8	41.9
Chronic Lower Respiratory Diseases	19	110.1	13	113.5	44	82.4	13	77.6	27	141.4
Lung Diseases due to External Agents	6	34.8	2	17.5	2	3.7	2	11.9	4	20.9
---Coalworker's Pneumoconiosis	4	23.2	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	11.6	0	0.0	16	30.0	0	0.0	1	5.2
Nephritis, Nephrotic Syndrome, and Nephrosis	4	23.2	4	34.9	13	24.3	4	23.9	10	52.4
Congenital Anomalies	0	0.0	0	0.0	9	16.8	0	0.0	1	5.2
Ill-Defined and Unknown Causes of Death	4	23.2	9	78.6	8	15.0	3	17.9	0	0.0
Accidents	11	63.8	5	43.7	20	37.4	11	65.7	14	73.3
---Motor Vehicle Injuries	3	17.4	3	26.2	6	11.2	5	29.9	4	20.9
---Falls	1	5.8	0	0.0	6	11.2	2	11.9	2	10.5
---Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	1	6.0	0	0.0
---Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Poisonings	3	17.4	1	8.7	3	5.6	1	6.0	1	5.2
---Other Accidents	4	23.2	1	8.7	5	9.4	2	11.9	7	36.7
Intentional Self-Harm	3	17.4	2	17.5	9	16.8	0	0.0	2	10.5
Assault	1	5.8	1	8.7	3	5.6	0	0.0	0	0.0
All Other Causes (Residual)	41	237.6	29	253.3	130	243.3	38	227.0	39	204.2

* 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.

**Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2001
Table 46 (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	3	4.5	2	5.6	4	8.2	0	0.0	2	4.4
Total Deaths, All Causes	780	15.2	246	16.4	315	11.7	147	14.7	579	17.5
--Deaths under 1 Year	6	9.1	4	11.1	1	2.0	0	0.0	4	8.9
--Deaths under 28 Days	6	9.1	3	8.3	1	2.0	0	0.0	3	6.7
Tuberculosis	2	3.9	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	14	27.2	2	13.4	6	22.4	2	20.0	3	9.1
Human Immunodeficiency Virus Infection	4	7.8	1	6.7	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	151	293.3	40	267.2	64	238.7	30	300.1	137	413.9
--of Digestive Organs	22	42.7	8	53.4	15	56.0	8	80.0	29	87.6
----Colon	8	15.5	4	26.7	6	22.4	1	10.0	13	39.3
----Pancreas	3	5.8	2	13.4	3	11.2	1	10.0	9	27.2
--of Respiratory and Intrathoracic Organs	59	114.6	15	100.2	21	78.3	11	110.0	35	105.7
----Trachea, Bronchus, and Lung	53	103.0	15	100.2	17	63.4	10	100.0	35	105.7
--of Breast	22	42.7	0	0.0	4	14.9	1	10.0	5	15.1
--of Genitourinary Organs	14	27.2	6	40.1	7	26.1	4	40.0	17	51.4
----Cervix Uteri	1	1.9	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	2	3.9	1	6.7	2	7.5	0	0.0	1	3.0
----Prostate	7	13.6	1	6.7	1	3.7	2	20.0	8	24.2
----Bladder	1	1.9	1	6.7	3	11.2	0	0.0	1	3.0
--All Other (Malignant Neoplasms)	34	66.1	11	73.5	17	63.4	6	60.0	51	154.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	1.9	1	6.7	4	14.9	0	0.0	3	9.1
Diabetes Mellitus	28	54.4	12	80.1	10	37.3	8	80.0	31	93.7
Alzheimer's Disease	25	48.6	3	20.0	21	78.3	5	50.0	2	6.0
Major Cardiovascular Disease	320	621.7	93	621.2	117	436.4	62	620.1	232	700.9
--Diseases of the Heart	237	460.4	73	487.6	89	332.0	50	500.1	143	432.0
----Ischemic Heart Disease	172	334.1	56	374.0	60	223.8	40	400.1	93	281.0
--Essential Hypertension and Hypertensive Renal Disease	7	13.6	1	6.7	1	3.7	1	10.0	7	21.1
--Cerebrovascular Diseases	66	128.2	13	86.8	20	74.6	8	80.0	38	114.8
----Atherosclerosis	1	1.9	0	0.0	2	7.5	1	10.0	37	111.8
--Other Diseases of Arteries, Arterioles, and Capillaries	9	17.5	6	40.1	5	18.7	2	20.0	7	21.1
Influenza and Pneumonia	11	21.4	9	60.1	4	14.9	1	10.0	26	78.6
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	11	21.4	9	60.1	4	14.9	1	10.0	26	78.6
Chronic Lower Respiratory Diseases	44	85.5	20	133.6	14	52.2	8	80.0	40	120.8
Lung Diseases due to External Agents	7	13.6	1	6.7	4	14.9	1	10.0	1	3.0
--Coalworker's Pneumoconiosis	1	1.9	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	14	27.2	2	13.4	4	14.9	2	20.0	5	15.1
Nephritis, Nephrotic Syndrome, and Nephrosis	18	35.0	3	20.0	5	18.7	4	40.0	16	48.3
Congenital Anomalies	2	3.9	0	0.0	1	3.7	1	10.0	2	6.0
Ill-Defined and Unknown Causes of Death	4	7.8	4	26.7	1	3.7	1	10.0	8	24.2
Accidents	31	60.2	15	100.2	6	22.4	6	60.0	16	48.3
--Motor Vehicle Injuries	10	19.4	4	26.7	1	3.7	2	20.0	8	24.2
--Falls	7	13.6	1	6.7	2	7.5	1	10.0	2	6.0
--Smoke, Fires, and Flames	2	3.9	0	0.0	0	0.0	0	0.0	2	6.0
--Drownings	0	0.0	0	0.0	1	3.7	0	0.0	0	0.0
--Poisonings	5	9.7	5	33.4	1	3.7	1	10.0	1	3.0
--Other Accidents	7	13.6	5	33.4	1	3.7	2	20.0	3	9.1
Intentional Self-Harm	8	15.5	4	26.7	5	18.7	1	10.0	5	15.1
Assault	2	3.9	2	13.4	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	94	182.6	34	227.1	49	182.8	15	150.0	52	157.1

* 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.

**Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2001
Table 46 (continued)**

Selected Causes of Death	Number and Rate by City									
	Saint Albans		South Charleston		Vienna		Weirton		Wheeling	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	11.2	0	0.0	0	0.0	0	0.0	4	11.9
Total Deaths, All Causes	218	18.8	193	14.4	119	11.0	298	14.6	549	17.5
---Deaths under 1 Year	1	5.6	3	18.2	1	10.1	0	0.0	5	14.9
---Deaths under 28 Days	0	0.0	3	18.2	1	10.1	0	0.0	3	8.9
Tuberculosis	1	8.6	0	0.0	0	0.0	0	0.0	1	3.2
Septicemia	2	17.3	2	14.9	2	18.4	11	53.9	4	12.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	3	9.5
Malignant Neoplasms	49	423.6	45	336.1	31	285.4	62	303.8	130	413.8
---of Digestive Organs	10	86.5	7	52.3	9	82.9	15	73.5	41	130.5
-----Colon	7	60.5	3	22.4	2	18.4	6	29.4	17	54.1
-----Pancreas	2	17.3	3	22.4	2	18.4	3	14.7	10	31.8
---of Respiratory and Intrathoracic Organs	16	138.3	14	104.6	12	110.5	13	63.7	35	111.4
-----Trachea, Bronchus, and Lung	15	129.7	14	104.6	12	110.5	13	63.7	33	105.0
---of Breast	4	34.6	3	22.4	3	27.6	7	34.3	9	28.6
---of Genitourinary Organs	7	60.5	10	74.7	3	27.6	4	19.6	15	47.7
-----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	1	3.2
-----Ovary	1	8.6	4	29.9	0	0.0	1	4.9	4	12.7
-----Prostate	3	25.9	0	0.0	1	9.2	1	4.9	3	9.5
-----Bladder	1	8.6	2	14.9	1	9.2	2	9.8	4	12.7
---All Other (Malignant Neoplasms)	12	103.7	11	82.2	4	36.8	23	112.7	30	95.5
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	2	14.9	1	9.2	4	19.6	2	6.4
Diabetes Mellitus	4	34.6	8	59.7	5	46.0	13	63.7	13	41.4
Alzheimer's Disease	7	60.5	6	44.8	2	18.4	6	29.4	12	38.2
Major Cardiovascular Disease	79	683.0	67	500.4	50	460.4	125	612.4	244	776.6
---Diseases of the Heart	68	587.9	49	365.9	41	377.5	95	465.4	180	572.9
-----Ischemic Heart Disease	53	458.2	28	209.1	31	285.4	56	274.4	139	442.4
---Essential Hypertension and Hypertensive Renal Disease	2	17.3	1	7.5	0	0.0	0	0.0	3	9.5
---Cerebrovascular Diseases	6	51.9	16	119.5	3	27.6	29	142.1	49	156.0
---Atherosclerosis	1	8.6	0	0.0	5	46.0	0	0.0	4	12.7
---Other Diseases of Arteries, Arterioles, and Capillaries	2	17.3	1	7.5	1	9.2	1	4.9	8	25.5
Influenza and Pneumonia	2	17.3	3	22.4	2	18.4	10	49.0	15	47.7
---Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
---Pneumonia	2	17.3	3	22.4	2	18.4	10	49.0	15	47.7
Chronic Lower Respiratory Diseases	18	155.6	13	97.1	8	73.7	12	58.8	31	98.7
Lung Diseases due to External Agents	1	8.6	1	7.5	1	9.2	2	9.8	7	22.3
---Coalworker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	8.6	1	7.5	0	0.0	4	19.6	5	15.9
Nephritis, Nephrotic Syndrome, and Nephrosis	6	51.9	1	7.5	2	18.4	6	29.4	1	3.2
Congenital Anomalies	0	0.0	1	7.5	1	9.2	1	4.9	3	9.5
Ill-Defined and Unknown Causes of Death	3	25.9	1	7.5	0	0.0	1	4.9	5	15.9
Accidents	7	60.5	7	52.3	1	9.2	5	24.5	6	19.1
---Motor Vehicle Injuries	3	25.9	1	7.5	0	0.0	3	14.7	1	3.2
---Falls	0	0.0	2	14.9	0	0.0	0	0.0	1	3.2
---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	1	4.9	0	0.0
---Poisonings	2	17.3	0	0.0	0	0.0	0	0.0	2	6.4
---Other Accidents	2	17.3	4	29.9	1	9.2	1	4.9	2	6.4
Intentional Self-Harm	2	17.3	4	29.9	0	0.0	2	9.8	2	6.4
Assault	0	0.0	2	14.9	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	36	311.2	29	216.6	13	119.7	34	166.6	65	206.9

* 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.

Selected Causes of Resident Deaths: Number by Race and Gender
West Virginia, 2001
Table 47

Selected Causes of Death	Number by Race and Gender						Total
	White		Black		Other		
	Male	Female	Male	Female	Male	Female	
Fetal Deaths	78	60	10	4	0	1	153
Total Deaths, All Causes	9,821	10,469	307	354	15	12	20,978
--Deaths under 1 Year	85	56	4	4	0	0	149
--Deaths under 28 Days	63	39	4	4	0	0	110
Tuberculosis	4	1	0	1	0	0	6
Septicemia	141	190	4	8	0	0	343
Human Immunodeficiency Virus Infection	17	4	8	2	0	0	31
Malignant Neoplasms	2,334	2,201	58	79	4	4	4,680
--of Digestive Organs	509	413	16	20	4	0	962
-----Colon	193	201	8	8	1	0	411
-----Pancreas	100	75	1	5	0	0	181
--of Respiratory and Intrathoracic Organs	885	670	12	23	0	2	1,592
-----Trachea, Bronchus, and Lung	854	657	11	23	0	2	1,547
--of Breast	0	296	0	10	0	0	306
--of Genitourinary Organs	303	303	18	9	0	1	634
-----Cervix Uteri	0	39	0	1	0	0	40
-----Ovary	0	118	0	4	0	0	122
-----Prostate	188	1	17	0	0	0	206
-----Bladder	56	46	0	1	0	0	103
--All Other (Malignant Neoplasms)	637	519	12	17	0	1	1,186
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	56	45	0	3	0	0	104
Diabetes Mellitus	343	425	15	23	0	1	807
Alzheimer's Disease	104	292	2	12	0	0	410
Major Cardiovascular Disease	3,561	4,253	103	147	8	6	8,078
--Diseases of the Heart	2,906	3,193	78	104	6	5	6,292
-----Ischemic Heart Disease	2,159	2,142	52	66	6	4	4,429
--Essential Hypertension and Hypertensive Renal Disease	37	108	5	7	0	0	157
--Cerebrovascular Diseases	465	752	16	28	1	0	1,262
-----Atherosclerosis	42	92	0	1	1	0	136
--Other Diseases of Arteries, Arterioles, and Capillaries	111	108	4	7	0	1	231
Influenza and Pneumonia	211	267	3	8	0	0	489
--Influenza	2	3	0	0	0	0	5
--Pneumonia	209	264	3	8	0	0	484
Chronic Lower Respiratory Diseases	601	663	14	9	2	1	1,290
Lung Diseases due to External Agents	153	69	5	3	0	0	230
--Coalworker's Pneumoconiosis	78	0	3	0	0	0	81
Chronic Liver Disease and Cirrhosis	125	79	7	4	0	0	215
Nephritis, Nephrotic Syndrome, and Nephrosis	174	203	5	9	0	0	391
Congenital Anomalies	37	30	2	1	0	0	70
Ill-Defined and Unknown Causes of Death	116	81	3	3	0	0	203
Accidents	552	265	17	5	1	0	840
--Motor Vehicle Injuries	243	114	9	1	1	0	368
---Falls	68	46	2	0	0	0	116
---Smoke, Fires, and Flames	20	5	1	1	0	0	27
---Drownings	20	2	0	0	0	0	22
---Poisonings	92	34	1	0	0	0	127
---Other Accidents	109	64	4	3	0	0	180
Intentional Self-Harm	241	43	4	2	0	0	290
Assault	34	27	5	1	0	0	67
All Other Causes (Residual)	1,017	1,331	52	34	0	0	2,434

West Virginia Bureau for Public Health
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Selected Causes of Resident Deaths by Age Group
West Virginia, 2001
Table 48

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	20,978	149	27	18	19	90	117	285	714	1,386	2,190	4,108	6,291	5,584	73.1
---Deaths under 1 Year	149	149	0	0	0	0	0	0	0	0	0	0	0	0	0.1
---Deaths under 28 Days	110	110	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Tuberculosis	6	0	0	0	0	0	0	0	1	1	1	0	0	3	75.8
Septicemia	343	0	2	1	0	0	1	5	9	16	28	60	126	95	75.4
Human Immunodeficiency Virus Infection	31	0	0	0	0	0	0	5	16	8	1	1	0	0	41.5
Malignant Neoplasms	4,680	0	1	0	3	4	1	22	135	394	791	1,357	1,364	608	70.5
---of Digestive Organs	962	0	0	0	0	0	0	5	28	89	135	265	277	163	71.5
-----Colon	411	0	0	0	0	0	0	3	8	30	49	114	117	90	73.4
-----Pancreas	181	0	0	0	0	0	0	0	3	19	37	55	46	21	69.7
---of Respiratory and Intrathoracic Organs	1,592	0	0	0	0	0	0	2	33	110	326	538	450	133	69.8
-----Trachea, Bronchus, and Lung	1,547	0	0	0	0	0	0	2	31	102	312	526	443	131	70.0
---of Breast	306	0	0	0	0	0	0	1	13	41	55	75	79	42	69.0
---of Genitourinary Organs	634	0	0	0	0	0	0	3	19	43	76	155	220	118	73.3
-----Cervix Uteri	40	0	0	0	0	0	0	2	9	11	6	5	3	4	56.6
-----Ovary	122	0	0	0	0	0	0	0	5	14	28	34	23	18	68.7
-----Prostate	206	0	0	0	0	0	0	0	0	1	10	43	98	54	79.0
-----Bladder	103	0	0	0	0	0	0	0	1	2	6	28	45	21	76.8
---All Other (Malignant Neoplasms)	1,186	0	1	0	3	4	1	11	42	111	199	324	338	152	69.6
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	104	1	0	0	0	0	0	0	4	3	14	20	34	28	74.6
Diabetes Mellitus	807	0	1	0	0	1	0	4	29	55	105	205	244	163	72.7
Alzheimer's Disease	410	0	0	0	0	0	0	0	0	0	4	28	125	253	85.5
Major Cardiovascular Disease	8,078	0	2	1	0	1	5	25	131	410	699	1,331	2,662	2,811	77.8
---Diseases of the Heart	6,292	0	2	1	0	1	2	18	109	353	599	1,071	1,996	2,140	77.3
-----Ischemic Heart Disease	4,429	0	0	0	0	1	1	8	76	273	446	767	1,436	1,421	76.8
---Essential Hypertension and Hypertensive Renal Disease	157	0	0	0	0	0	0	3	3	6	15	24	54	52	77.1
---Cerebrovascular Diseases	1,262	0	0	0	0	0	2	4	17	39	64	180	482	474	79.7
-----Atherosclerosis	136	0	0	0	0	0	0	0	0	0	6	16	45	69	83.8
---Other Diseases of Arteries, Arterioles, and Capillaries	231	0	0	0	0	0	1	0	2	12	15	40	85	76	78.2
Influenza and Pneumonia	489	0	0	0	1	0	1	0	9	13	26	56	157	226	81.2
---Influenza	5	0	0	0	0	0	0	0	0	1	1	0	2	1	73.4
---Pneumonia	484	0	0	0	1	0	1	0	9	12	25	56	155	225	81.3
Chronic Lower Respiratory Diseases	1,290	0	0	0	0	0	0	1	6	46	129	318	486	304	76.2
Lung Diseases due to External Agents	230	0	0	0	0	1	0	0	2	4	10	44	89	80	79.6
---Coalworker's Pneumoconiosis	81	0	0	0	0	0	0	0	0	0	3	22	39	17	78.7
Chronic Liver Disease and Cirrhosis	215	0	0	0	0	0	0	1	33	50	36	52	33	10	61.1
Nephritis, Nephrotic Syndrome, and Nephrosis	391	0	0	0	0	0	0	0	2	17	34	83	132	123	77.5
Congenital Anomalies	70	30	5	1	1	1	4	7	3	5	5	2	4	2	23.8
Ill-Defined and Unknown Causes of Death	203	19	0	0	0	1	1	4	7	13	23	45	48	42	65.6
Accidents	840	5	11	9	8	52	71	109	145	115	66	59	97	93	49.1
---Motor Vehicle Injuries	368	2	6	7	5	39	42	62	59	49	30	28	21	18	41.2
---Falls	116	1	0	0	0	0	2	2	7	10	9	12	35	38	73.5
---Smoke, Fires, and Flames	27	0	1	1	1	2	2	1	0	2	4	2	8	3	55.7
---Drownings	22	0	3	0	0	2	1	4	4	3	4	0	0	1	36.8
---Poisonings	127	0	0	0	0	1	10	22	52	28	8	3	2	1	41.0
---Other Accidents	180	2	1	1	2	8	14	18	23	23	11	14	31	32	55.8
Intentional Self-Harm	290	0	0	0	0	8	12	42	62	59	33	36	31	7	50.1
Assault	67	0	2	0	2	5	6	11	14	11	5	5	3	3	42.1
All Other Causes (Residual)	2,434	94	3	6	4	16	15	49	106	166	181	406	655	733	70.9

Selected Causes of Resident Deaths by Month of Occurrence West Virginia, 2001 Table 49

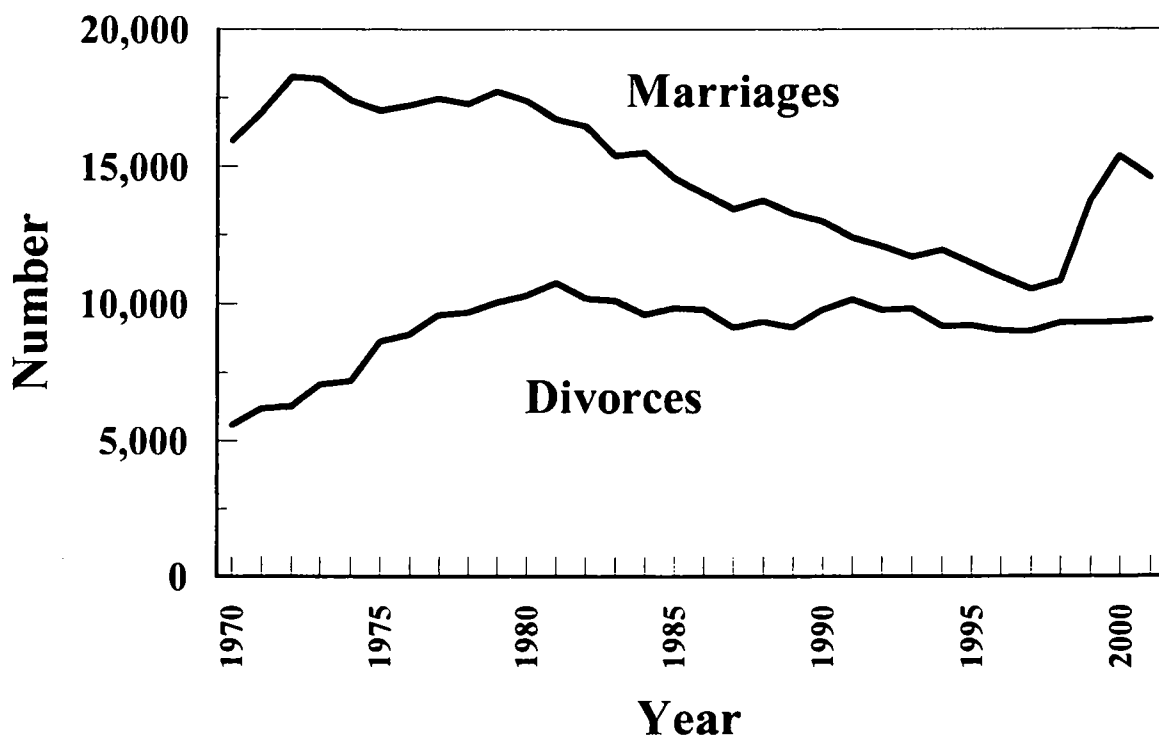
Selected Causes of Death	Number of Deaths per Month												Total
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
Fetal Deaths	14	14	18	10	16	13	14	10	13	7	9	15	153
Total Deaths, All Causes	1,941	1,830	1,855	1,783	1,725	1,710	1,693	1,671	1,579	1,658	1,722	1,811	20,978
---Deaths under 1 Year	10	15	13	9	16	15	19	15	6	12	10	9	149
---Deaths under 28 Days	7	15	9	8	9	10	13	11	6	8	7	7	110
Tuberculosis	1	0	0	1	0	2	0	0	0	1	0	1	6
Septicemia	31	28	35	31	28	24	37	22	30	30	24	23	343
Human Immunodeficiency Virus Infection	3	4	4	4	1	2	4	1	1	3	2	2	31
Malignant Neoplasms	419	388	406	398	369	375	406	387	361	372	388	411	4,680
---of Digestive Organs	86	82	90	82	75	63	89	89	74	88	67	77	962
---Colon	39	34	33	35	27	30	37	41	34	37	31	33	411
---Pancreas	12	11	19	16	14	12	17	22	16	18	8	16	181
---of Respiratory and Intrathoracic Organs	150	146	130	153	105	130	130	108	136	109	142	153	1,592
---Trachea, Bronchus, and Lung	146	138	125	151	104	127	124	103	135	106	138	150	1,547
---of Breast	23	22	27	22	33	36	22	22	28	21	22	28	306
---of Genitourinary Organs	60	47	53	45	62	37	62	65	40	47	64	52	634
---Cervix Uteri	3	2	3	3	5	4	3	3	3	3	4	4	40
---Ovary	12	11	10	12	12	6	8	12	8	9	9	13	122
---Prostate	18	13	18	13	17	15	25	19	16	18	20	14	206
---Bladder	5	8	7	8	9	5	9	12	7	11	14	8	103
---All Other (Malignant Neoplasms)	100	91	106	96	94	109	103	103	83	107	93	101	1,186
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	7	16	8	8	6	7	9	9	9	8	5	5	104
Diabetes Mellitus	77	61	93	80	69	69	56	60	54	61	55	72	807
Alzheimer's Disease	37	40	33	21	39	26	34	25	54	35	32	34	410
Major Cardiovascular Disease	768	711	733	673	668	678	650	634	586	599	682	696	8,078
---Diseases of the Heart	599	551	572	537	528	530	519	491	444	456	524	541	6,292
---Ischemic Heart Disease	449	396	400	373	379	377	365	334	286	327	364	379	4,429
---Essential Hypertension and Hypertensive Renal Disease	13	12	10	9	15	13	11	8	15	14	14	23	157
---Cerebrovascular Diseases	128	116	112	102	100	100	92	110	99	98	104	101	1,262
---Atherosclerosis	16	15	13	7	7	16	11	7	6	13	12	13	136
---Other Diseases of Arteries, Arterioles, and Capillaries	12	17	26	18	18	19	17	18	22	18	28	18	231
Influenza and Pneumonia	52	44	47	47	41	41	32	30	28	42	40	45	489
---Influenza	3	1	1	0	0	0	0	0	0	0	0	0	5
---Pneumonia	49	43	46	47	41	41	32	30	28	42	40	45	484
Chronic Lower Respiratory Diseases	135	135	113	125	103	100	99	80	107	98	83	112	1,290
Lung Diseases due to External Agents	14	20	23	15	25	13	20	18	15	20	24	23	230
---Coalworker's Pneumoconiosis	6	5	10	6	12	2	5	3	7	5	8	12	81
Chronic Liver Disease and Cirrhosis	25	19	15	15	23	14	10	17	16	28	18	15	215
Nephritis, Nephrotic Syndrome, and Nephrosis	40	31	42	32	39	32	25	26	29	22	46	27	391
Congenital Anomalies	7	7	6	9	6	5	3	8	5	4	5	5	70
Ill-Defined and Unknown Causes of Death	7	8	11	9	12	12	26	55	28	10	9	16	203
Accidents	68	61	48	74	66	94	77	56	60	67	82	87	840
---Motor Vehicle Injuries	23	24	21	29	25	50	38	23	28	37	37	33	368
---Falls	13	6	8	8	13	14	11	9	6	9	12	10	116
---Smoke, Fires, and Flames	2	2	2	5	4	1	1	0	2	2	2	4	27
---Drownings	2	2	1	4	1	4	3	4	1	0	0	0	22
---Poisonings	11	9	7	14	8	9	12	5	9	9	12	22	127
---Other Accidents	17	18	9	14	15	16	15	15	14	10	19	18	180
Intentional Self-Harm	33	26	17	26	27	22	30	27	20	20	17	25	290
Assault	2	4	7	13	5	6	5	4	2	5	7	7	67
All Other Causes (Residual)	215	227	214	202	195	188	170	212	174	233	203	201	2,434

West Virginia Bureau for Public Health
Health Statistics Center, 2003

MARRIAGES & DIVORCES

Marriages and Divorces West Virginia, 1970-2001

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
1991	12,406	10,154
1992	12,097	9,796
1993	11,702	9,835
1994	11,957	9,203
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

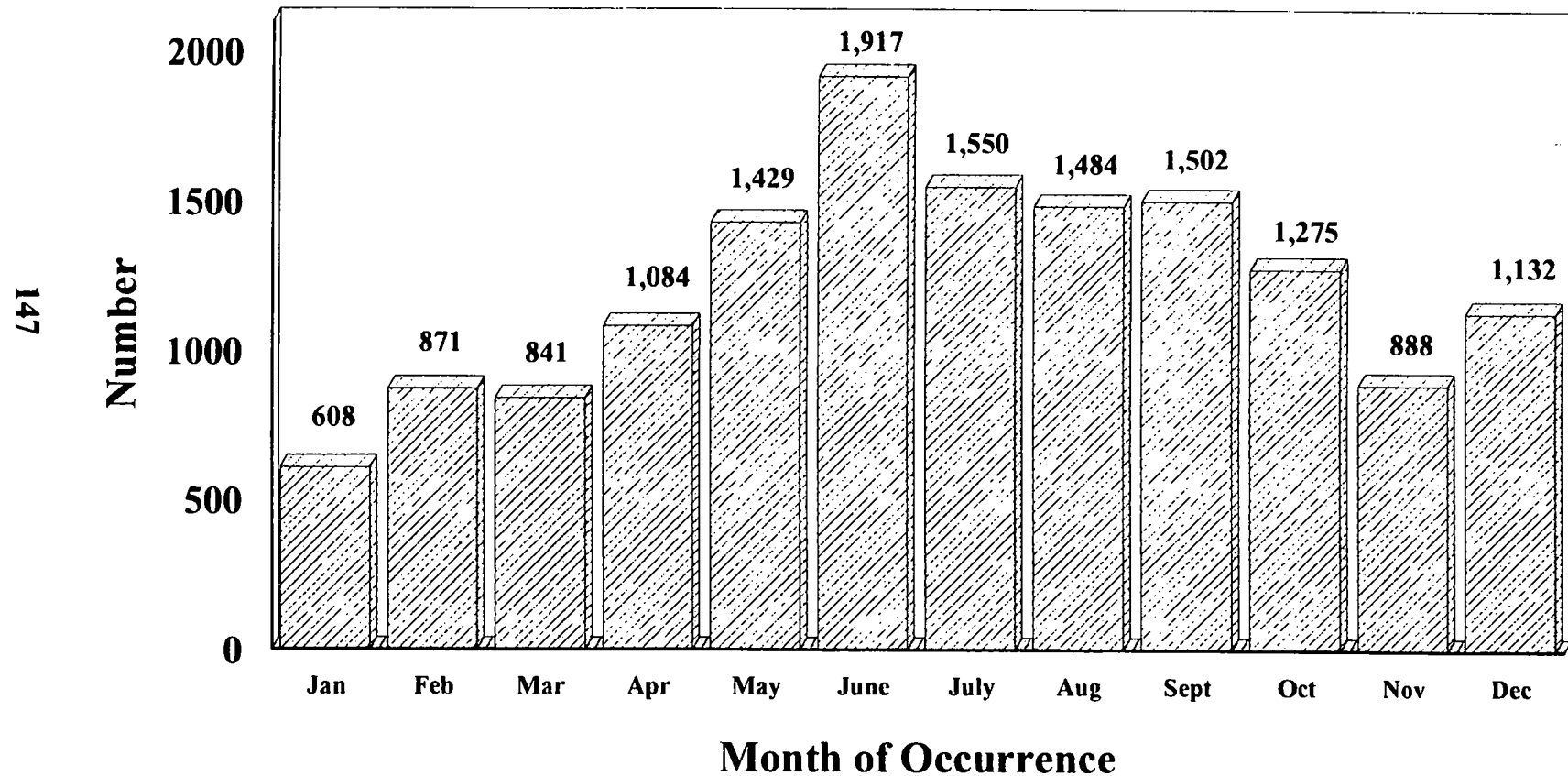
Marriages by Month of Occurrence
West Virginia, 2001
Table 50

County	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	3	7	10	10	12	17	16	14	12	7	5	6	119
Berkeley	19	18	27	47	47	65	34	45	65	37	40	37	481
Boone	11	24	16	22	33	12	16	31	19	24	14	23	245
Braxton	2	3	1	11	10	15	19	11	9	12	7	10	110
Brooke	7	12	9	11	19	24	21	23	16	13	15	14	184
Cabell	35	40	44	66	86	116	87	74	93	67	53	63	824
Calhoun	2	4	3	2	6	11	10	8	6	4	7	3	66
Clay	6	4	4	6	8	11	9	9	6	5	5	12	85
Doddridge	3	5	5	1	8	6	8	6	10	6	2	6	66
Fayette	28	21	27	39	39	51	52	35	42	37	24	49	444
Gilmer	1	3	3	2	5	3	11	5	4	3	4	5	49
Grant	4	7	5	10	9	13	9	6	10	8	5	8	94
Greenbrier	13	19	16	15	27	50	30	22	26	21	15	13	267
Hampshire	4	6	3	10	8	20	11	7	26	11	6	12	124
Hancock	4	16	14	20	38	36	26	25	27	26	9	22	263
Hardy	4	6	4	2	12	4	12	10	8	10	9	6	87
Harrison	26	38	35	41	55	82	65	70	54	54	39	39	598
Jackson	11	13	12	19	14	27	26	15	23	18	13	14	205
Jefferson	20	13	16	22	32	33	27	23	37	27	20	22	292
Kanawha	73	111	115	127	160	200	168	148	153	152	110	132	1,649
Lewis	6	9	10	8	10	24	19	13	23	11	5	8	146
Lincoln	10	19	8	21	20	26	19	20	21	17	11	10	202
Logan	15	25	25	22	32	44	35	40	33	24	21	38	354
McDowell	8	13	8	25	16	35	23	18	19	23	16	12	216
Marion	18	24	25	27	60	53	51	66	46	38	23	31	462
Marshall	11	15	8	22	40	44	26	27	32	18	15	15	273
Mason	13	18	15	12	12	29	32	16	23	27	18	22	237
Mercer	19	29	26	37	51	59	38	51	50	30	26	35	451
Mineral	7	9	14	15	17	23	15	28	17	17	11	15	188
Mingo	5	12	18	26	20	23	23	25	16	30	20	27	245
Monongalia	21	25	36	41	61	97	62	67	55	54	28	38	585
Monroe	1	3	5	3	7	13	16	16	7	9	2	5	87
Morgan	8	3	6	9	12	15	6	9	11	11	3	3	96
Nicholas	8	16	6	12	18	37	22	19	29	24	12	20	223
Ohio	18	25	16	27	46	54	42	46	52	47	36	33	442
Pendleton	1	3	2	2	8	8	5	5	9	2	1	2	48
Pleasants	2	3	6	1	8	7	9	3	7	3	4	4	57
Pocahontas	3	5	6	5	7	6	8	9	5	3	3	4	64
Preston	11	16	10	11	14	50	26	32	28	19	9	12	238
Putnam	14	16	24	30	41	56	28	36	40	33	19	43	380
Raleigh	28	45	47	45	69	94	86	80	69	60	49	57	729
Randolph	10	11	10	9	19	37	28	24	29	15	13	17	222
Ritchie	2	1	2	6	9	13	9	4	3	6	6	7	68
Roane	7	9	5	11	13	19	13	18	16	9	8	8	136
Summers	6	6	5	9	8	9	11	18	9	7	3	6	97
Taylor	2	5	10	8	11	14	12	11	10	12	3	8	106
Tucker	1	3	3	2	7	9	7	10	12	4	3	6	67
Tyler	0	3	6	4	8	17	24	11	8	5	4	7	97
Upshur	14	14	5	24	18	15	3	21	25	25	18	19	201
Wayne	8	22	13	23	20	30	33	18	25	19	16	18	245
Webster	4	6	8	3	5	5	10	10	5	7	5	7	75
Wetzel	2	4	6	9	11	17	17	15	15	12	8	7	123
Wirt	1	2	0	4	3	7	8	2	6	5	4	4	46
Wood	33	72	64	65	82	103	101	88	83	89	41	66	887
Wyoming	15	10	14	23	18	29	26	21	18	18	22	22	236
Total	608	871	841	1,084	1,429	1,917	1,550	1,484	1,502	1,275	888	1,132	14,581

Marriages by Month of Occurrence

West Virginia, 2001

Exhibit 21



**Number of Marriages by County
West Virginia, 1997-2001
Table 51**

County	1997	1998	1999	2000	2001	County	1997	1998	1999	2000	2001
Barbour	68	100	124	126	119	Monongalia	475	449	538	593	585
Berkeley	334	350	493	501	481	Monroe	52	59	92	96	87
Boone	152	173	250	274	245	Morgan	69	73	74	104	96
Braxton	108	126	129	143	110	Nicholas	129	150	213	250	223
Brooke	180	180	195	189	184	Ohio	405	362	441	446	442
Cabell	547	558	719	873	824	Pendleton	46	46	55	75	48
Calhoun	62	63	72	69	66	Pleasants	56	62	58	53	57
Clay	84	86	122	120	85	Pocahontas	5	48	73	75	64
Doddridge	45	65	55	73	66	Preston	125	127	172	231	238
Fayette	290	281	351	453	444	Putnam	265	262	360	364	380
Gilmer	41	45	58	58	49	Raleigh	496	461	611	753	729
Grant	58	51	74	104	94	Randolph	140	176	205	278	222
Greenbrier	187	213	260	252	267	Ritchie	86	75	95	74	68
Hampshire	76	89	102	134	124	Roane	102	102	143	154	136
Hancock	194	206	250	319	263	Summers	45	55	91	77	97
Hardy	62	59	63	78	87	Taylor	80	72	105	93	106
Harrison	438	480	581	611	598	Tucker	30	48	59	65	67
Jackson	174	166	246	247	205	Tyler	50	60	49	69	97
Jefferson	206	225	252	308	292	Upshur	159	191	216	220	201
Kanawha	1,241	1,234	1,625	1,770	1,649	Wayne	145	154	214	257	245
Lewis	144	133	121	153	146	Webster	48	39	98	81	75
Lincoln	112	114	161	186	202	Wetzel	107	87	99	153	123
Logan	219	203	365	408	354	Wirt	52	33	41	44	46
McDowell	112	115	191	207	216	Wood	737	725	833	853	887
Marion	395	425	451	509	462	Wyoming	160	173	204	237	236
Marshall	274	266	273	303	273	Total	10,530	10,839	13,705	15,375	14,581
Mason	121	109	183	237	237						
Mercer	331	337	461	553	451						
Mineral	82	107	108	194	188						
Mingo	129	191	231	228	245						

West Virginia Bureau for Public Health
Health Statistics Center, 2003

**Marriages by Age of Bride and Groom
West Virginia, 2001
Table 52**

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	424	953	234	52	19	11	2	1	3	0	1,699
20-24 Years	0	140	2,224	1,290	427	130	47	15	11	4	3	4,291
25-29 Years	0	18	405	1,149	637	303	116	45	16	6	5	2,701
30-34 Years	0	5	89	350	613	395	196	77	48	18	7	1,798
35-39 Years	0	2	31	110	216	328	297	149	88	27	21	1,269
40-44 Years	0	0	8	37	95	178	292	253	131	58	35	1,087
45-49 Years	0	0	1	10	14	63	140	219	170	69	59	745
50-54 Years	0	0	1	2	5	21	36	74	142	86	83	450
55-59 Years	0	0	0	1	3	6	10	17	25	68	86	216
60 & Over Years	0	0	0	0	0	1	3	8	12	23	277	324
Total	0	590	3,712	3,183	2,062	1,444	1,148	859	644	362	576	14,581

NOTE: The total includes 1 record with unknown ages of groom and/or bride.

West Virginia Bureau for Public Health
Health Statistics Center, 2003

**Marriages by Previous Marital Status
West Virginia, 2001
Table 53**

Bride	Groom					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	6,692	70	1,575	15	1	8,353
Widowed	94	276	286	4	0	660
Divorced	1,665	234	3,587	17	1	5,504
Annulled	17	5	19	10	0	51
Not Stated	6	1	4	0	2	13
Total	8,474	586	5,471	46	4	14,581

**Marriages by Number of Previous Marriages
West Virginia, 2001
Table 54**

Bride	Groom						Total
	Never Married	One Previous Marriage	Two Previous Marriages	Three Previous Marriages	Four or More Previous Marriages	Not Stated	
Never Married	6,692	1,369	235	49	8	0	8,353
One Previous Marriage	1,425	2,078	608	145	42	0	4,298
Two Previous Marriages	280	673	375	92	27	0	1,447
Three Previous Marriages	58	158	102	34	16	0	368
Four or More Previous Marriages	19	36	34	17	7	0	113
Not Stated	0	2	0	0	0	0	2
Total	8,474	4,316	1,354	337	100	0	14,581

West Virginia Bureau for Public Health
Health Statistics Center, 2003

**Divorces and Annulments by County of Occurrence
West Virginia, 2001
Table 55**

County	Number of Divorces	Number of Annulments	Total	County	Number of Divorces	Number of Annulments	Total
Barbour	165	1	166	Monongalia	260	0	260
Berkeley	209	0	209	Monroe	63	0	63
Boone	172	0	172	Morgan	64	0	64
Braxton	63	1	64	Nicholas	155	0	155
Brooke	102	0	102	Ohio	170	0	170
Cabell	560	4	564	Pendleton	41	0	41
Calhoun	53	0	53	Pleasants	64	0	64
Clay	49	0	49	Pocahontas	48	0	48
Doddridge	68	0	68	Preston	108	0	108
Fayette	265	0	265	Putnam	275	0	275
Gilmer	17	0	17	Raleigh	453	1	454
Grant	39	0	39	Randolph	166	2	168
Greenbrier	225	1	226	Ritchie	65	0	65
Hampshire	130	1	131	Roane	82	0	82
Hancock	134	0	134	Summers	84	0	84
Hardy	79	0	79	Taylor	77	2	79
Harrison	304	3	307	Tucker	37	0	37
Jackson	133	0	133	Tyler	50	0	50
Jefferson	199	1	200	Upshur	105	0	105
Kanawha	981	4	985	Wayne	299	1	300
Lewis	79	1	80	Webster	48	0	48
Lincoln	166	0	166	Wetzel	73	0	73
Logan	239	7	246	Wirt	37	0	37
McDowell	171	1	172	Wood	461	2	463
Marion	261	2	263	Wyoming	154	2	156
Marshall	153	1	154				
Mason	122	0	122				
Mercer	417	2	419	Total	9,381	40	9,421
Mineral	127	0	127				
Mingo	256	0	256				

West Virginia Bureau for Public Health
Health Statistics Center, 2003

Divorces and Annulments by County of Occurrence
West Virginia, 1997-2001
Table 56

County	1997	1998	1999	2000	2001	County	1997	1998	1999	2000	2001
Barbour	76	76	93	144	166	Monongalia	222	255	268	256	260
Berkeley	332	311	272	255	209	Monroe	60	102	75	58	63
Boone	121	171	154	173	172	Morgan	57	81	69	89	64
Braxton	84	89	54	74	64	Nicholas	161	194	165	165	155
Brooke	84	109	97	78	102	Ohio	139	124	141	152	170
Cabell	607	651	593	600	564	Pendleton	40	42	31	36	41
Calhoun	40	44	51	37	53	Pleasants	36	46	34	39	64
Clay	68	70	71	59	49	Pocahontas	59	50	34	47	48
Doddridge	35	30	41	41	68	Preston	91	127	143	138	108
Fayette	259	300	292	271	265	Putnam	343	288	302	295	275
Gilmer	25	30	50	25	17	Raleigh	427	453	466	381	454
Grant	53	50	49	49	39	Randolph	128	128	109	155	168
Greenbrier	186	203	191	141	226	Ritchie	58	62	52	62	65
Hampshire	78	101	126	117	131	Roane	92	80	102	86	82
Hancock	113	103	132	142	134	Summers	67	77	68	54	84
Hardy	81	66	65	75	79	Taylor	88	70	84	85	79
Harrison	332	338	345	278	307	Tucker	43	33	32	40	37
Jackson	169	156	150	154	133	Tyler	46	49	52	33	50
Jefferson	176	214	189	272	200	Upshur	107	101	120	128	105
Kanawha	898	890	938	975	985	Wayne	268	265	261	305	300
Lewis	103	115	95	88	80	Webster	53	45	46	54	48
Lincoln	48	93	19	134	166	Wetzel	91	64	79	84	73
Logan	194	244	273	200	246	Wirt	41	29	33	26	37
McDowell	179	181	161	196	172	Wood	491	519	548	506	463
Marion	258	252	262	263	263	Wyoming	173	151	177	157	156
Marshall	171	147	174	163	154						
Mason	139	143	96	172	122						
Mercer	405	381	421	342	419	Total	8,998	9,309	9,309	9,336	9,421
Mineral	113	104	114	142	127						
Mingo	190	212	250	245	256						

West Virginia Bureau for Public Health
Health Statistics Center, 2003

Divorces and Annulments by Age of Husband and Wife
West Virginia, 2001
Table 57

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	26	97	31	5	1	4	1	0	0	0	0	165
20-24 Years	0	20	456	482	140	49	19	8	4	1	3	8	1,190
25-29 Years	0	1	112	735	521	182	57	26	13	1	5	20	1,673
30-34 Years	0	4	15	144	566	448	169	58	26	8	9	17	1,464
35-39 Years	0	1	7	54	165	494	412	158	68	24	23	21	1,427
40-44 Years	0	0	3	17	54	175	401	309	114	36	43	12	1,164
45-49 Years	0	0	2	5	13	39	120	340	215	55	33	7	829
50-54 Years	0	0	0	0	3	20	27	65	167	88	49	2	421
55-59 Years	0	0	0	2	0	3	9	21	32	60	77	1	205
60 & Over Years	0	0	0	0	2	2	1	6	15	21	136	4	187
Unknown	0	0	10	25	26	36	25	22	16	5	7	524	696
Total	0	52	702	1,495	1,495	1,449	1,244	1,014	670	299	385	616	9,421

West Virginia Bureau for Public Health
Health Statistics Center, 2003

Divorces and Annulments by Duration of Marriage and Number of Children
West Virginia, 2001
Table 58

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	470	36	22	4	0	0	0	0	0	1	533
1 to 5	2,243	875	312	59	6	2	0	0	0	0	3,497
6 to 10	859	584	497	127	13	7	0	0	0	0	2,087
11 to 15	384	292	367	136	28	7	1	1	0	1	1,217
16 to 20	236	212	272	90	23	4	0	2	0	0	839
21 to 25	275	174	93	23	4	0	0	0	0	0	569
26 to 30	257	52	15	7	0	0	0	0	0	0	331
31 to 35	143	13	2	0	0	0	0	0	0	0	158
36 to 40	49	3	0	0	0	0	0	0	0	0	52
41 to 45	25	1	0	0	0	0	0	0	0	0	26
46 to 50	8	0	0	0	0	0	0	0	0	0	8
51 to 55	10	0	0	0	0	0	0	0	0	0	10
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	57	21	13	2	0	0	0	0	0	0	93
Total	5,017	2,263	1,593	448	74	20	1	3	0	2	9,421

West Virginia Bureau for Public Health
Health Statistics Center, 2003

APPENDIXES

CERTIFICATE OF LIVE BIRTH

CHILD	1. CHILD'S NAME (First, Middle, Last)		2. DATE OF BIRTH (Month, Day, Year)		3. TIME OF BIRTH M
	4. SEX	5. CITY, TOWN, OR LOCATION OF BIRTH		6. COUNTY OF BIRTH	
	7. PLACE OF BIRTH: ☐ Hospital ☐ Freestanding Birthing Center ☐ Clinic/Doctor's Office ☐ Residence ☐ Other (Specify)		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) NAME ☐ M.D. ☐ D.O. ☐ C.N.M. ☐ Other (Specify)	
	12. CERTIFIER'S NAME AND TITLE (Type/Print) Name ☐ M.D. ☐ D.O. ☐ Hospital Admin. ☐ C.N.M. ☐ Other (Specify)		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. MOTHER'S SURNAME	15. DATE OF BIRTH (Month, Day, Year)	
MOTHER	16. BIRTHPLACE (State, or Foreign Country)		17a. MOTHER'S STATE	17c. CITY, TOWN, OR LOCATION	
	17b. STREET AND NUMBER		17d. MOTHER'S CITY (Years)	18. MOTHER'S MAILING ADDRESS (If same as residence enter zip code only)	
	19. FATHER'S NAME (First, Middle, Last)		20. DATE OF BIRTH (Month, Day, Year)	21. BIRTHPLACE (State or Foreign Country)	
FATHER	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)		
INFORMANT	25. SIGNATURE OF PERSON PROVIDING INFORMATION				

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

MOTHER	25a. Mother's Social Security No.		25b. Father's Social Security No.		26. Do you want Social Security No. issued to your child? ☐ YES ☐ NO
	27a. Was serologic test for syphilis performed? ☐ YES ☐ NO		27b. If "yes" date performed:		27c. 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) Elementary/Secondary (0-12) College (14 or 16)
	28a. ☐ No ☐ Yes Specify:		29a.		30a.
	28b. ☐ No ☐ Yes		29b.		30b.
MOTHER	31. PREGNANCY HISTORY (Complete Each Section)		32. MOTHER MARRIED? (At Birth, conception, or any time between (Yes or No)		34. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)
	LIVE BIRTHS (Do not include this child)		OTHER TERMINATIONS (Spontaneous and induced or any time after conception)		35. MONTH OF PREGNANCY PRENATAL CARE BEGAN—First, Second, Third, etc. (Specify)
	31a. Now Living Number ☐ None	31b. Now Dead Number ☐ None	31c. ☐ None		36. PRENATAL VISITS—Total Number (If none, so state)
FATHER	32a. DATE OF LAST LIVE BIRTH (Month, Year)		32b. DATE OF LAST OTHER TERMINATION (Month, Year)		37. BIRTH WEIGHT, (specify unit)
	32c. ☐ None		32d. ☐ None		38. CLINICAL ESTIMATE OF GESTATION (Weeks)
	32e. ☐ None		32f. ☐ None		39. PLURALITY—Single, Twin, Triplet, etc. (Specify)
MOTHER	40. APGAR SCORE		41a. MOTHER TRANSFERRED PRIOR TO DELIVERY? ☐ No ☐ Yes. If yes, enter name of facility transferred from:		41b. INFANT TRANSFERRED? ☐ No ☐ Yes. If yes, enter name of facility transferred to:
	40a. 1 Minute		40b. 5 Minute		
	40c. ☐ None		40d. ☐ None		
MOTHER	42a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)		44. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)		47. CONGENITAL ANOMALIES OF CHILD (Check all that apply)
	42b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)		45. METHOD OF DELIVERY (Check all that apply)		48. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply)
	42c. ☐ None		42d. ☐ None		42e. ☐ None

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 HISPANIC OR LATINO? (Specify No or Yes. If Yes, specify Mexican, Puerto Rican, etc.) ☐ No ☐ Yes Specify				15 RACE—American Indian, Black, White, etc (Specify)					
16 DECEDENT'S EDUCATION (Specify only highest grade completed) Elementary/Secondary (0-12) 16A College (13-16) 16B													
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): Sequently list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST a DUE TO (OR AS A CONSEQUENCE OF) 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 DESCRIBE HOW INJURY OCCURRED					
		30e PLACE OF INJURY—At home, farm, street, factory, office building, etc (Specify)				30f LOCATION (Street and Number or Rural Route Number, City or Town, State)							
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)	

REPORT OF FETAL DEATH

STATE FILE NUMBER:

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)		5. SEX OF FETUS	
6a. MOTHER'S NAME (First, Middle, Last)		6b. MOTHER'S SURNAME	
7. DATE OF BIRTH (Month, Day, Year)			
8a. RESIDENCE - STATE		8b. COUNTY	
8c. CITY, TOWN, OR LOCATION		8d. STREET AND NUMBER	
9a. INSIDE CITY LIMITS? (Yes or No)		9b. ZIP CODE	
9c. FATHER'S NAME (First, Middle, Last)		9d. DATE OF BIRTH (Month, Day, Year)	
11. PART I. FETAL DEATH WAS CAUSED BY: (ENTER ONLY ONE CAUSE, PERFORM FOR (a), (b), AND (c)) SPECIFY FETAL OR MATERNAL			
IMMEDIATE CAUSE Fetal or maternal condition directly causing fetal death. Fetal anatomic malformation. If any, giving rise to the immediate cause (a) stating the underlying cause last.			
(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. ABUSED BEFORE LABOR OR DELIVERY YES ☐ NO ☐			
13a. AUTOPSY YES ☐ NO ☐			
13b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH?			
I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD 14a. SIGNATURE			
DATE SIGNED (month, day, year) 14b.			
14c. ATTENDANT - M.D., D.O., C.N.M. OR OTHER MIDWIFE, Other: (Specify)			
CERTIFIER - MAILING ADDRESS (Street or R.F.D. No., city or town, state, zip)			
AUTHORIZED OFFICIAL (if delivery not attended by physician) 15. SIGNATURE			
LOCATION (City or town, state)			
(Street or R.F.D. No., city or town, state, zip)			
16a. REGISTAR - SIGNATURE			
DATE RECEIVED BY LOCAL REGISTRAR month day year			

[illegible]

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 _____

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 +)

21a.

22a.

22b.

23a.

24a.

24b.

21b.

22c.

22d.

23b.

24c.

24d.

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)

Bride and groom must sign. →

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

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

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 OR 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)									
	(W)									
	(H)									
	(W)									
	(H)									
	(W)									
	(H)									
	(W)									
	(H)									
	(W)									
	(H)									
	(W)									

VOID

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)

APPENDIX C

HSC Statistical Briefs



HSC Statistical Brief



A Look at West Virginia's Population by Decade, 1950-2000 Brief No. 8

West Virginia's population in 1950 exceeded two million for the first and only time in the state's history. Fifty years later, in 2000, the population was slightly over 1.8 million. That's a loss of about 200,000 people from the Mountain State over five decades. Or is it?

Migration, both in and out of the state, plays a large role in population differences from year to year, or census to census, along with resident births and deaths. Let's look at some actual numbers from 1950 to 2000. According to the census, the state's actual population in 1950 was 2,005,053. Over the next 50 years, 1,553,966 babies were born to state residents while 953,674 West Virginians died. This would result in a "natural increase," i.e., an excess of births over deaths, in the population of 600,292.

So the question remains: Just how many people has West Virginia lost?

Assuming that nobody either moved into or away from West Virginia from 1950 until 2000, adding the natural increase to the 1950 population would result in a total of 2,605,345 people in 2000. That, however, hasn't happened. The Mountain State's 2000 census population was 1,808,344. That means 797,001 people have actually been lost to out-migration over the past five decades ($2,005,053 + 600,292 - 1,808,344 = 797,001$). In other words, West Virginia has lost an average of 15,940 residents per year, 1,328 citizens per month, 307 per week, and 44 per day. Imagine two people packing up and leaving the state almost every hour of every day, and that would best describe West Virginia's migration over the years.

Overall, 17 of the 55 counties in West Virginia have a larger population now than they had 50 years ago. However, only seven of these counties actually posted an increase from in-migration: Berkeley, Jefferson, Morgan, Hampshire, and Hardy counties in the Eastern Panhandle and Putnam and Jackson counties. Jackson, Jefferson, and Putnam counties have been the most consistent as far as growth resulting from migration is concerned, gaining in four of the five decades. On the other side of the ledger, five counties (McDowell, Logan, Kanawha, Ohio, and Hancock) experienced a loss

due to out-migration in each of the past decades. (Tables 1-6 at the end of this brief detail county populations from 1950-2000.)

Let's look at how the state fared during each of these decades:

The Fifties (1950-1960) Over half of the Mountain State's overall loss from out-migration during the 50-year period occurred during this decade. Even though the absolute loss from 1950 to 1960 was just 144,632 (2,005,053 to 1,860,421), there were 463,936 births to residents compared with 171,308 deaths, a natural increase of 292,628 West Virginians. Using the above formula -- (1950 population) + (natural increase) - (1960 population) -- yields a net migration loss of 437,260. The only two counties that experienced a gain in population from in-migration were Jackson and Wood. The counties that suffered the most proportionately from out-migration were McDowell, Logan, Webster, Fayette, and Clay.

The Sixties (1960-1970) The population continued to drop during the sixties although not as drastically as during the fifties. From 1960-70, the population went from 1,860,421 to 1,744,237, a difference of 116,184. There were 336,171 births and 189,886 deaths, which yielded a natural increase of 146,285. Thus, West Virginia lost 262,469 people to out-migration. Putnam, Monongalia, Jefferson, and Jackson were the only counties to experience a net migration growth; the counties that suffered the greatest losses were (again) McDowell, Webster, Logan, Clay, and Mingo.

The Seventies (1970-1980) Finally . . . an increase in population. Not only did West Virginia experience an increase in population but also an upswing in net migration as well. The Mountain State's population rose by a total of 205,407, from 1,744,237 to 1,949,644. With the 290,799 births and 196,110 deaths (a natural increase of 94,989) contributing to the growth, West Virginia ended up with a net migration increase of 110,718 during this span. All but six counties (McDowell, Ohio, Kanawha, Hancock, Cabell, and Logan, in that order) gained population from in-migration during this time frame. The counties that experienced the highest growth by percentage were Jefferson, Putnam, Morgan, Berkeley, and Hampshire.

The Eighties (1980-1990) What looked like a prosperous trend during the seventies was reversed during this decade. West Virginia dropped from 1,949,644 to 1,793,477 residents, a difference of 156,167. There were 248,563 births and 194,018 deaths, a natural increase of 54,545. Overall, West Virginia lost 210,712 people to out-migration. Counter to the seventies, all but six counties lost people due to out-migration during this period. The counties that gained were Berkeley, Morgan, Jefferson, Hardy, Hampshire, and Putnam. McDowell County continued to have the greatest proportional loss, followed by Wyoming, Logan, Boone, and Fayette counties.

The Nineties (1990-2000) This was the "good news/bad news" decade. First, the good news . . . the population and net migration both increased. A total of 14,867 people were added to the population, which jumped from 1,793,477 to 1,808,344. Most of this gain, however, was attributable to the natural increase (214,497 births minus 202,352 deaths equals 12,145). The net

migration was 2,722. Thirty-one counties increased in net migration; the top five by percentage were Morgan, Berkeley, Hampshire, Monroe, and Putnam. The five counties with the largest percentage decrease were McDowell, Mingo, Logan, Wyoming, and Wetzel.

And now for the bad news . . .

West Virginia's birth rate is shrinking rapidly. The state averaged over 46,000 births per year in the 1950s, compared with only 17,000 deaths. As time went by, resident deaths increased slightly. Births, on the other hand, have dropped substantially, from an annual average of almost 33,600 in the sixties, to 29,000 in the seventies, under 25,000 in the eighties, and just 21,400 in the nineties. West Virginia has, in fact, actually experienced more resident deaths than births every year since 1997, the first state to have a natural *decrease*.

So this brief answers our question: Just how many people has West Virginia lost? A future statistical brief will address the shift in age groups that has resulted in West Virginia having the oldest population in the nation. Much of the state's out-migration has been younger people who have been forced to move away to find work in other regions because of fewer economic opportunities in the Mountain State. They marry and raise their families elsewhere. Then, after they retire, many West Virginians come back home to enjoy life in the Mountain State. The "Graying of America" has already started in West Virginia.

Table 1
Births, Deaths, Natural Increase or Decrease, and Net Migration
West Virginia Population by County, 1950-1960

County	1950 Census Population	1950- 1959 Births	1950- 1959 Deaths	Natural Increase or Decrease	1960 Census Population	Net Migration	Pct.	Rank
Barbour	19,247	3,554	1,765	1,789	15,474	(5,562)	-28.9%	44
Berkeley	30,359	7,056	3,277	3,779	33,791	(347)	-1.1%	4
Boone	33,173	8,265	2,085	6,180	28,764	(10,589)	-31.9%	46
Braxton	18,082	3,853	1,614	2,239	15,152	(5,169)	-28.6%	43
Brooke	26,904	6,102	2,416	3,686	28,940	(1,650)	-6.1%	8
Cabell	108,035	25,496	10,240	15,256	108,202	(15,089)	-14.0%	17
Calhoun	10,259	1,857	827	1,030	7,948	(3,341)	-32.6%	47
Clay	14,961	3,839	946	2,893	11,942	(5,912)	-39.5%	51
Doddridge	9,026	1,364	908	456	6,970	(2,512)	-27.8%	41
Fayette	82,443	18,261	6,256	12,005	61,731	(32,717)	-39.7%	52
Gilmer	9,746	1,541	839	702	8,050	(2,398)	-24.6%	33
Grant	8,756	2,096	730	1,366	8,304	(1,818)	-20.8%	28
Greenbrier	39,295	8,927	3,499	5,428	34,446	(10,277)	-26.2%	36
Hampshire	12,577	2,329	1,197	1,132	11,705	(2,004)	-15.9%	20
Hancock	34,388	9,676	2,898	6,778	39,615	(1,551)	-4.5%	6
Hardy	10,032	2,061	902	1,159	9,308	(1,883)	-18.8%	22
Harrison	85,296	17,684	7,891	9,793	77,856	(17,233)	-20.2%	24
Jackson	15,299	3,440	1,443	1,997	18,541	1,245	8.1%	1
Jefferson	17,184	4,311	2,005	2,306	18,665	(825)	-4.8%	7
Kanawha	239,629	64,870	18,982	45,888	252,925	(32,592)	-13.6%	16
Lewis	21,074	3,718	2,248	1,470	19,711	(2,833)	-13.4%	15
Lincoln	22,466	5,531	1,685	3,846	20,267	(6,045)	-26.9%	39
Logan	77,391	20,669	5,170	15,499	61,570	(31,320)	-40.5%	54
McDowell	98,887	24,858	6,846	18,012	71,359	(45,540)	-46.1%	55
Marion	71,521	13,686	6,727	6,959	63,717	(14,763)	-20.6%	27
Marshall	36,893	7,307	3,496	3,811	38,041	(2,663)	-7.2%	9
Mason	23,537	5,419	2,012	3,407	24,459	(2,485)	-10.6%	11
Mercer	75,013	17,082	6,500	10,582	68,206	(17,389)	-23.2%	32
Mineral	22,333	4,738	2,212	2,526	22,354	(2,505)	-11.2%	12
Mingo	47,409	13,474	3,292	10,182	39,742	(17,849)	-37.6%	50
Monongalia	60,797	12,818	5,043	7,775	55,617	(12,955)	-21.3%	29
Monroe	13,123	2,365	1,232	1,133	11,584	(2,672)	-20.4%	26
Morgan	8,276	2,063	946	1,117	8,376	(1,017)	-12.3%	13
Nicholas	27,696	7,092	2,114	4,978	25,414	(7,260)	-26.2%	37
Ohio	71,672	15,895	8,238	7,657	68,437	(10,892)	-15.2%	18
Pendleton	9,313	1,650	766	884	8,093	(2,104)	-22.6%	30
Pleasants	6,369	1,463	678	785	7,124	(30)	-0.5%	3
Pocahontas	12,480	2,154	1,133	1,021	10,136	(3,365)	-27.0%	40
Preston	31,399	6,803	2,593	4,210	27,233	(8,376)	-26.7%	38
Putnam	21,021	4,650	1,642	3,008	23,561	(468)	-2.2%	5
Raleigh	96,273	21,815	6,495	15,320	77,826	(33,767)	-35.1%	49
Randolph	30,557	6,269	2,665	3,604	26,349	(7,812)	-25.6%	34
Ritchie	12,535	2,181	1,448	733	10,877	(2,391)	-19.1%	23
Roane	18,408	3,094	1,549	1,545	15,720	(4,233)	-23.0%	31
Summers	19,183	3,705	1,821	1,884	15,640	(5,427)	-28.3%	42
Taylor	18,422	3,268	1,943	1,325	15,010	(4,737)	-25.7%	35
Tucker	10,600	1,725	1,027	698	7,750	(3,548)	-33.5%	48
Tyler	10,535	1,716	1,164	552	10,026	(1,061)	-10.1%	10
Upshur	19,242	4,242	2,024	2,218	18,292	(3,168)	-16.5%	21
Wayne	38,696	8,213	2,850	5,363	38,977	(5,082)	-13.1%	14
Webster	17,888	4,185	1,237	2,948	13,719	(7,117)	-39.8%	53
Wetzel	20,154	4,346	2,043	2,303	19,347	(3,110)	-15.4%	19
Wirt	5,119	844	535	309	4,391	(1,037)	-20.3%	25
Wood	66,540	17,957	7,129	10,828	78,331	963	1.4%	2
Wyoming	37,540	10,359	2,085	8,274	34,836	(10,978)	-29.2%	45
WV Total	2,005,053	463,936	171,308	292,628	1,860,421	(437,260)	-21.8%	

Table 2
Births, Deaths, Natural Increase or Decrease, and Net Migration
West Virginia Population by County, 1960-1970

County	1960 Census Population	1960- 1969 Births	1960- 1969 Deaths	Natural Increase or Decrease	1970 Census Population	Net Migration	Pct.	Rank
Barbour	15,474	2,628	1,893	735	14,030	(2,179)	-14.1%	34
Berkeley	33,791	6,865	3,996	2,869	36,356	(304)	-0.9%	6
Boone	28,764	4,819	2,367	2,452	25,118	(6,098)	-21.2%	46
Braxton	15,152	2,543	1,726	817	12,666	(3,303)	-21.8%	48
Brooke	28,940	5,197	2,670	2,527	29,685	(1,782)	-6.2%	14
Cabell	108,202	20,033	11,512	8,521	106,918	(9,805)	-9.1%	21
Calhoun	7,948	1,420	874	546	7,046	(1,448)	-18.2%	44
Clay	11,942	2,209	1,007	1,202	9,330	(3,814)	-31.9%	52
Doddridge	6,970	1,033	944	89	6,389	(670)	-9.6%	25
Fayette	61,731	9,539	6,671	2,868	49,332	(15,267)	-24.7%	50
Gilmer	8,050	1,439	922	517	7,782	(785)	-9.8%	26
Grant	8,304	1,811	894	917	8,607	(614)	-7.4%	16
Greenbrier	34,446	6,221	3,629	2,592	32,090	(4,948)	-14.4%	35
Hampshire	11,705	2,109	1,391	718	11,710	(713)	-6.1%	12
Hancock	39,615	7,682	3,558	4,124	39,749	(3,990)	-10.1%	27
Hardy	9,308	1,614	1,001	613	8,855	(1,066)	-11.5%	29
Harrison	77,856	13,384	9,104	4,280	73,028	(9,108)	-11.7%	30
Jackson	18,541	3,949	1,748	2,201	20,903	161	0.9%	4
Jefferson	18,665	4,266	2,203	2,063	21,280	552	3.0%	3
Kanawha	252,925	46,398	21,837	24,561	229,515	(47,971)	-19.0%	45
Lewis	19,711	3,173	2,411	762	17,847	(2,626)	-13.3%	32
Lincoln	20,267	4,200	1,946	2,254	18,912	(3,609)	-17.8%	42
Logan	61,570	10,882	5,007	5,875	46,269	(21,176)	-34.4%	53
McDowell	71,359	12,614	6,340	6,274	50,666	(26,967)	-37.8%	55
Marion	63,717	10,576	7,522	3,054	61,356	(5,415)	-8.5%	18
Marshall	38,041	6,591	3,986	2,605	37,598	(3,048)	-8.0%	17
Mason	24,459	4,377	2,244	2,133	24,306	(2,286)	-9.3%	23
Mercer	68,206	11,722	7,567	4,155	63,206	(9,155)	-13.4%	33
Mineral	22,354	4,721	2,495	2,226	23,109	(1,471)	-6.6%	15
Mingo	39,742	7,920	3,635	4,285	32,780	(11,247)	-28.3%	51
Monongalia	55,617	10,127	5,416	4,711	63,714	3,386	6.1%	2
Monroe	11,584	1,756	1,357	399	11,272	(711)	-6.1%	13
Morgan	8,376	1,553	979	574	8,547	(403)	-4.8%	8
Nicholas	25,414	4,823	2,293	2,530	22,552	(5,392)	-21.2%	47
Ohio	68,437	11,880	8,825	3,055	64,197	(7,295)	-10.7%	28
Pendleton	8,093	1,168	860	308	7,031	(1,370)	-16.9%	41
Pleasants	7,124	1,279	748	531	7,274	(381)	-5.3%	11
Pocahontas	10,136	1,674	1,243	431	8,870	(1,697)	-16.7%	40
Preston	27,233	5,128	2,767	2,361	25,455	(4,139)	-15.2%	38
Putnam	23,561	4,256	1,979	2,277	27,625	1,787	7.6%	1
Raleigh	77,826	12,615	7,651	4,964	70,080	(12,710)	-16.3%	39
Randolph	26,349	5,070	2,988	2,082	24,596	(3,835)	-14.6%	36
Ritchie	10,877	1,752	1,515	237	10,145	(969)	-8.9%	20
Roane	15,720	2,405	1,655	750	14,111	(2,359)	-15.0%	37
Summers	15,640	2,367	1,949	418	13,213	(2,845)	-18.2%	43
Taylor	15,010	2,282	1,979	303	13,878	(1,435)	-9.6%	24
Tucker	7,750	1,392	1,022	370	7,447	(673)	-8.7%	19
Tyler	10,026	1,731	1,306	425	9,929	(522)	-5.2%	9
Upshur	18,292	3,365	2,146	1,219	19,092	(419)	-2.3%	7
Wayne	38,977	6,933	3,258	3,675	37,581	(5,071)	-13.0%	31
Webster	13,719	2,596	1,364	1,232	9,809	(5,142)	-37.5%	54
Wetzel	19,347	4,194	2,214	1,980	20,314	(1,013)	-5.2%	10
Wirt	4,391	746	578	168	4,154	(405)	-9.2%	22
Wood	78,331	16,951	8,289	8,662	86,818	(175)	-0.2%	5
Wyoming	34,836	6,193	2,405	3,788	30,095	(8,529)	-24.5%	49
WV Total	1,860,421	336,171	189,886	146,285	1,744,237	(262,469)	-14.1%	

Table 3
Births, Deaths, Natural Increase or Decrease, and Net Migration
West Virginia Population by County, 1970-1980

County	1970 Census Population	1970- 1979 Births	1970- 1979 Deaths	Natural Increase or Decrease	1980 Census Population	Net Migration	Pct.	Rank
Barbour	14,030	2,306	1,852	454	16,639	2,155	15.4%	15
Berkeley	36,356	6,531	4,185	2,346	46,775	8,073	22.2%	4
Boone	25,118	5,156	2,755	2,401	30,447	2,928	11.7%	29
Braxton	12,666	1,965	1,586	379	13,894	849	6.7%	39
Brooke	29,685	4,054	2,642	1,412	31,117	20	0.1%	49
Cabell	106,918	16,432	12,428	4,004	106,835	(4,087)	-3.8%	51
Calhoun	7,046	1,239	949	290	8,250	914	13.0%	23
Clay	9,330	1,780	1,117	663	11,265	1,272	13.6%	20
Doddridge	6,389	957	886	71	7,433	973	15.2%	16
Fayette	49,332	8,801	6,817	1,984	57,863	6,547	13.3%	22
Gilmer	7,782	1,134	819	315	8,334	237	3.0%	46
Grant	8,607	1,474	909	565	10,210	1,038	12.1%	27
Greenbrier	32,090	5,033	3,991	1,042	37,665	4,533	14.1%	19
Hampshire	11,710	1,952	1,386	566	14,867	2,591	22.1%	5
Hancock	39,749	5,909	3,619	2,290	40,418	(1,621)	-4.1%	52
Hardy	8,855	1,311	973	338	10,030	837	9.5%	36
Harrison	73,028	11,323	9,125	2,198	77,710	2,484	3.4%	45
Jackson	20,903	3,271	1,843	1,428	25,794	3,463	16.6%	13
Jefferson	21,280	3,636	2,426	1,210	30,302	7,812	36.7%	1
Kanawha	229,515	35,222	23,522	11,700	231,414	(9,801)	-4.3%	53
Lewis	17,847	2,681	2,407	274	18,813	692	3.9%	43
Lincoln	18,912	3,783	2,173	1,610	23,675	3,153	16.7%	11
Logan	46,269	9,737	5,089	4,648	50,679	(238)	-0.5%	50
McDowell	50,666	10,511	5,716	4,795	49,899	(5,562)	-11.0%	55
Marion	61,356	9,439	7,706	1,733	65,789	2,700	4.4%	42
Marshall	37,598	6,116	3,967	2,149	41,608	1,861	4.9%	40
Mason	24,306	4,033	2,389	1,644	27,045	1,095	4.5%	41
Mercer	63,206	10,941	7,527	3,414	73,942	7,322	11.6%	30
Mineral	23,109	3,953	2,543	1,410	27,234	2,715	11.7%	28
Mingo	32,780	7,189	3,819	3,370	37,336	1,186	3.6%	44
Monongalia	63,714	9,640	5,587	4,053	75,024	7,257	11.4%	31
Monroe	11,272	1,668	1,437	231	12,873	1,370	12.2%	24
Morgan	8,547	1,309	1,050	259	10,711	1,905	22.3%	3
Nicholas	22,552	4,457	2,453	2,004	28,126	3,570	15.8%	14
Ohio	64,197	8,560	8,177	383	61,389	(3,191)	-5.0%	54
Pendleton	7,031	1,073	925	148	7,910	731	10.4%	34
Pleasants	7,274	1,103	758	345	8,236	617	8.5%	37
Pocahontas	8,870	1,227	1,249	(22)	9,919	1,071	12.1%	26
Preston	25,455	4,458	2,863	1,595	30,460	3,410	13.4%	21
Putnam	27,625	4,884	2,459	2,425	38,181	8,131	29.4%	2
Raleigh	70,080	13,471	8,829	4,642	86,821	12,099	17.3%	8
Randolph	24,596	4,070	2,911	1,159	28,734	2,979	12.1%	25
Ritchie	10,145	1,601	1,391	210	11,442	1,087	10.7%	33
Roane	14,111	2,270	1,779	491	15,952	1,350	9.6%	35
Summers	13,213	2,183	1,988	195	15,875	2,467	18.7%	7
Taylor	13,878	2,302	1,908	394	16,584	2,312	16.7%	12
Tucker	7,447	1,147	1,009	138	8,675	1,090	14.6%	18
Tyler	9,929	1,541	1,234	307	11,320	1,084	10.9%	32
Upshur	19,092	3,266	2,135	1,131	23,427	3,204	16.8%	10
Wayne	37,581	6,401	3,498	2,903	46,021	5,537	14.7%	17
Webster	9,809	1,889	1,322	567	12,245	1,869	19.1%	6
Wetzel	20,314	3,387	2,226	1,161	21,874	399	2.0%	47
Wirt	4,154	646	581	65	4,922	703	16.9%	9
Wood	86,818	13,938	8,543	5,395	93,648	1,435	1.7%	48
Wyoming	30,095	6,439	2,632	3,807	35,993	2,091	6.9%	38
WV Total	1,744,237	290,799	196,110	94,689	1,949,644	110,718	6.3%	

Table 4
Births, Deaths, Natural Increase or Decrease, and Net Migration
West Virginia Population by County, 1980-1990

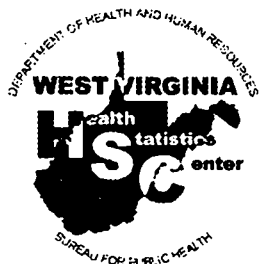
County	1980 Census Population	1980- 1989 Births	1980- 1989 Deaths	Natural Increase or Decrease	1990 Census Population	Net Migration	Pct.	Rank
Barbour	16,639	2,142	1,770	372	15,699	(1,312)	-7.9%	16
Berkeley	46,775	7,725	4,929	2,796	59,253	9,682	20.7%	1
Boone	30,447	3,753	2,776	977	25,870	(5,554)	-18.2%	52
Braxton	13,894	1,881	1,678	203	12,998	(1,099)	-7.9%	17
Brooke	31,117	3,025	2,912	113	26,992	(4,238)	-13.6%	40
Cabell	106,835	12,763	11,740	1,023	96,827	(11,031)	-10.3%	27
Calhoun	8,250	1,217	898	319	7,885	(684)	-8.3%	19
Clay	11,265	1,729	1,044	685	9,983	(1,967)	-17.5%	50
Doddridge	7,433	908	751	157	6,994	(596)	-8.0%	18
Fayette	57,863	6,983	6,490	493	47,952	(10,404)	-18.0%	51
Gilmer	8,334	1,089	818	271	7,669	(936)	-11.2%	33
Grant	10,210	1,277	926	351	10,428	(133)	-1.3%	8
Greenbrier	37,665	4,514	4,259	255	34,693	(3,227)	-8.6%	21
Hampshire	14,867	2,100	1,487	613	16,498	1,018	6.8%	5
Hancock	40,418	4,223	3,758	465	35,233	(5,650)	-14.0%	43
Hardy	10,030	1,282	1,087	195	10,977	752	7.5%	4
Harrison	77,710	10,017	8,809	1,208	69,371	(9,547)	-12.3%	35
Jackson	25,794	3,506	2,291	1,215	25,938	(1,071)	-4.2%	11
Jefferson	30,302	4,996	2,882	2,114	35,926	3,510	11.6%	3
Kanawha	231,414	29,108	23,155	5,953	207,619	(29,748)	-12.9%	36
Lewis	18,813	2,385	2,221	164	17,223	(1,754)	-9.3%	24
Lincoln	23,675	3,271	2,142	1,129	21,382	(3,422)	-14.5%	44
Logan	50,679	6,575	4,663	1,912	43,032	(9,559)	-18.9%	53
McDowell	49,899	6,775	4,781	1,994	35,233	(16,660)	-33.4%	55
Marion	65,789	7,542	7,034	508	57,249	(9,048)	-13.8%	41
Marshall	41,608	4,942	3,809	1,133	37,356	(5,385)	-12.9%	37
Mason	27,045	3,451	2,709	742	25,178	(2,609)	-9.6%	26
Mercer	73,942	8,920	7,567	1,353	64,980	(10,315)	-14.0%	42
Mineral	27,234	3,532	2,759	773	26,697	(1,310)	-4.8%	12
Mingo	37,336	5,993	3,557	2,436	33,739	(6,033)	-16.2%	48
Monongalia	75,024	9,239	5,639	3,600	75,509	(3,115)	-4.2%	10
Monroe	12,873	1,667	1,412	255	12,406	(722)	-5.6%	13
Morgan	10,711	1,305	1,222	83	12,128	1,334	12.5%	2
Nicholas	28,126	3,788	2,489	1,299	26,775	(2,650)	-9.4%	25
Ohio	61,389	6,908	7,204	(296)	50,871	(10,222)	-16.7%	49
Pendleton	7,910	1,104	817	287	8,054	(143)	-1.8%	9
Pleasants	8,236	980	735	245	7,546	(935)	-11.4%	34
Pocahontas	9,919	1,171	1,214	(43)	9,008	(868)	-8.8%	22
Preston	30,460	4,292	2,947	1,345	29,037	(2,768)	-9.1%	23
Putnam	38,181	5,514	2,850	2,664	42,835	1,990	5.2%	6
Raleigh	86,821	10,390	8,693	1,697	76,819	(11,699)	-13.5%	38
Randolph	28,734	3,923	2,979	944	27,803	(1,875)	-6.5%	14
Ritchie	11,442	1,361	1,340	21	10,233	(1,230)	-10.7%	29
Roane	15,952	2,173	1,678	495	15,120	(1,327)	-8.3%	20
Summers	15,875	1,778	1,728	50	14,204	(1,721)	-10.8%	31
Taylor	16,584	2,166	1,795	371	15,144	(1,811)	-10.9%	32
Tucker	8,675	979	1,023	(44)	7,728	(903)	-10.4%	28
Tyler	11,320	1,371	1,155	216	9,796	(1,740)	-15.4%	46
Upshur	23,427	3,288	2,232	1,056	22,867	(1,616)	-6.9%	15
Wayne	46,021	5,657	3,838	1,819	41,636	(6,204)	-13.5%	39
Webster	12,245	1,642	1,205	437	10,729	(1,953)	-15.9%	47
Wetzel	21,874	2,925	2,191	734	19,258	(3,350)	-15.3%	45
Wirt	4,922	764	481	283	5,192	(13)	-0.3%	7
Wood	93,648	12,133	8,744	3,389	86,915	(10,122)	-10.8%	30
Wyoming	35,993	4,421	2,705	1,716	28,990	(8,719)	-24.2%	54
WV Total	1,949,644	248,563	194,018	54,545	1,793,477	(210,712)	-10.8%	

Table 5
Births, Deaths, Natural Increase or Decrease, and Net Migration
West Virginia Population by County, 1990-2000

County	1990 Census Population	1990- 1999 Births	1990- 1999 Deaths	Natural Increase or Decrease	2000 Census Population	Net Migration	Pct.	Rank
Barbour	15,699	1,787	1,868	(81)	15,557	(61)	-0.4%	33
Berkeley	59,253	9,205	5,851	3,354	75,905	13,298	22.4%	2
Boone	25,870	3,262	2,717	545	25,535	(880)	-3.4%	41
Braxton	12,998	1,551	1,583	(32)	14,702	1,736	13.4%	7
Brooke	26,992	2,640	3,051	(411)	25,447	(1,134)	-4.2%	43
Cabell	96,827	11,794	11,939	(145)	96,784	102	0.1%	29
Calhoun	7,885	819	932	(113)	7,582	(190)	-2.4%	39
Clay	9,983	1,321	1,155	166	10,330	181	1.8%	21
Doddridge	6,994	820	772	48	7,403	361	5.2%	13
Fayette	47,952	5,772	6,306	(534)	47,579	161	0.3%	27
Gilmer	7,669	735	851	(116)	7,160	(393)	-5.1%	48
Grant	10,428	1,376	1,096	280	11,299	591	5.7%	12
Greenbrier	34,693	3,938	4,501	(563)	34,453	323	0.9%	25
Hampshire	16,498	2,309	1,750	559	20,203	3,146	19.1%	3
Hancock	35,233	3,476	3,876	(400)	32,667	(2,166)	-6.1%	49
Hardy	10,977	1,431	1,285	146	12,669	1,546	14.1%	6
Harrison	69,371	8,606	8,927	(321)	68,652	(398)	-0.6%	35
Jackson	25,938	3,128	2,786	342	28,000	1,720	6.6%	11
Jefferson	35,926	5,090	3,266	1,824	42,190	4,440	12.4%	8
Kanawha	207,619	25,302	24,108	1,194	200,073	(8,740)	-4.2%	44
Lewis	17,223	1,992	2,212	(220)	16,919	(84)	-0.5%	34
Lincoln	21,382	2,831	2,272	559	22,108	167	0.8%	26
Logan	43,032	5,030	4,745	285	37,710	(5,607)	-13.0%	53
McDowell	35,233	3,939	4,255	(316)	27,329	(7,588)	-21.5%	55
Marion	57,249	6,467	7,147	(680)	56,598	29	0.1%	30
Marshall	37,356	3,988	4,027	(39)	35,519	(1,798)	-4.8%	46
Mason	25,178	2,911	3,007	(96)	25,957	875	3.5%	16
Mercer	64,980	7,992	7,985	7	62,980	(2,007)	-3.1%	40
Mineral	26,697	3,154	2,823	331	27,078	50	0.2%	28
Mingo	33,739	4,458	3,378	1,080	28,253	(6,566)	-19.5%	54
Monongalia	75,509	8,729	5,823	2,906	81,866	3,451	4.6%	14
Monroe	12,406	1,384	1,416	(32)	14,583	2,209	17.8%	4
Morgan	12,128	1,463	1,431	32	14,943	2,783	22.9%	1
Nicholas	26,775	2,982	2,880	102	26,562	(315)	-1.2%	37
Ohio	50,871	5,678	6,637	(959)	47,427	(2,485)	-4.9%	47
Pendleton	8,054	904	931	(27)	8,196	169	2.1%	20
Pleasants	7,546	869	806	63	7,514	(95)	-1.3%	38
Pocahontas	9,008	1,003	1,167	(164)	9,131	287	3.2%	18
Preston	29,037	3,383	3,096	287	29,334	10	0.0%	31
Putnam	42,835	5,733	3,842	1,891	51,589	6,863	16.0%	5
Raleigh	76,819	8,814	9,080	(266)	79,220	2,667	3.5%	17
Randolph	27,803	3,283	3,126	157	28,262	302	1.1%	24
Ritchie	10,233	1,100	1,369	(269)	10,343	379	3.7%	15
Roane	15,120	1,688	1,740	(52)	15,446	378	2.5%	19
Summers	14,204	1,225	1,820	(595)	12,999	(610)	-4.3%	45
Taylor	15,144	1,652	1,829	(177)	16,089	1,122	7.4%	10
Tucker	7,728	808	930	(122)	7,321	(285)	-3.7%	42
Tyler	9,796	1,032	1,122	(90)	9,592	(114)	-1.2%	36
Upshur	22,867	2,684	2,495	189	23,404	348	1.5%	22
Wayne	41,636	5,074	4,334	740	42,903	527	1.3%	23
Webster	10,729	1,134	1,238	(104)	9,719	(906)	-8.4%	50
Wetzel	19,258	2,285	2,220	65	17,693	(1,630)	-8.5%	51
Wirt	5,192	636	523	113	5,873	568	10.9%	9
Wood	86,915	10,758	9,359	1,399	87,986	(328)	-0.4%	32
Wyoming	28,990	3,072	2,667	405	25,708	(3,687)	-12.7%	52
WV Total	1,793,477	214,497	202,352	12,145	1,808,344	2,722	0.2%	

Table 6
Births, Deaths, Natural Increase or Decrease, and Net Migration
West Virginia Population by County, 1950-2000

County	1950 Census Population	1950- 1999 Births	1950- 1999 Deaths	Natural Increase or Decrease	2000 Census Population	Net Migration	Pct.	Rank
Barbour	19,247	12,417	9,148	3,269	15,557	(6,959)	-36.2%	29
Berkeley	30,359	37,382	22,238	15,144	75,905	30,402	100.1%	1
Boone	33,173	25,255	12,700	12,555	25,535	(20,193)	-60.9%	48
Braxton	18,082	11,793	8,187	3,606	14,702	(6,986)	-38.6%	34
Brooke	26,904	21,018	13,691	7,327	25,447	(8,784)	-32.6%	25
Cabell	108,035	86,518	57,859	28,659	96,784	(39,910)	-36.9%	31
Calhoun	10,259	6,552	4,480	2,072	7,582	(4,749)	-46.3%	45
Clay	14,961	10,878	5,269	5,609	10,330	(10,240)	-68.4%	50
Doddridge	9,026	5,082	4,261	821	7,403	(2,444)	-27.1%	21
Fayette	82,443	49,356	32,540	16,816	47,579	(51,680)	-62.7%	49
Gilmer	9,746	5,938	4,249	1,689	7,160	(4,275)	-43.9%	43
Grant	8,756	8,034	4,555	3,479	11,299	(936)	-10.7%	12
Greenbrier	39,295	28,633	19,879	8,754	34,453	(13,596)	-34.6%	28
Hampshire	12,577	10,799	7,211	3,588	20,203	4,038	32.1%	6
Hancock	34,388	30,966	17,709	13,257	32,667	(14,978)	-43.6%	42
Hardy	10,032	7,699	5,248	2,451	12,669	186	1.9%	7
Harrison	85,296	61,014	43,856	17,158	68,652	(33,802)	-39.6%	35
Jackson	15,299	17,294	10,111	7,183	28,000	5,518	36.1%	5
Jefferson	17,184	22,299	12,782	9,517	42,190	15,489	90.1%	2
Kanawha	239,629	200,900	111,604	89,296	200,073	(128,852)	-53.8%	47
Lewis	21,074	13,949	11,499	2,450	16,919	(6,605)	-31.3%	24
Lincoln	22,466	19,616	10,218	9,398	22,108	(9,756)	-43.4%	40
Logan	77,391	52,893	24,674	28,219	37,710	(67,900)	-87.7%	54
McDowell	98,887	58,697	27,938	30,759	27,329	(102,317)	-103.5%	55
Marion	71,521	47,710	36,136	11,574	56,598	(26,497)	-37.0%	32
Marshall	36,893	28,944	19,285	9,659	35,519	(11,033)	-29.9%	23
Mason	23,537	20,191	12,361	7,830	25,957	(5,410)	-23.0%	17
Mercer	75,013	56,657	37,146	19,511	62,980	(31,544)	-42.1%	37
Mineral	22,333	20,098	12,832	7,266	27,078	(2,521)	-11.3%	13
Mingo	47,409	39,034	17,681	21,353	28,253	(40,509)	-85.4%	53
Monongalia	60,797	50,553	27,508	23,045	81,866	(1,976)	-3.3%	8
Monroe	13,123	8,840	6,854	1,986	14,583	(526)	-4.0%	10
Morgan	8,276	7,693	5,628	2,065	14,943	4,602	55.6%	4
Nicholas	27,696	23,142	12,229	10,913	26,562	(12,047)	-43.5%	41
Ohio	71,672	48,921	39,081	9,840	47,427	(34,085)	-47.6%	46
Pendleton	9,313	5,899	4,299	1,600	8,196	(2,717)	-29.2%	22
Pleasants	6,369	5,694	3,725	1,969	7,514	(824)	-12.9%	15
Pocahontas	12,480	7,229	6,006	1,223	9,131	(4,572)	-36.6%	30
Preston	31,399	24,064	14,266	9,798	29,334	(11,863)	-37.8%	33
Putnam	21,021	25,037	12,772	12,265	51,589	18,303	87.1%	3
Raleigh	96,273	67,105	40,748	26,357	79,220	(43,410)	-45.1%	44
Randolph	30,557	22,615	14,669	7,946	28,262	(10,241)	-33.5%	26
Ritchie	12,535	7,995	7,063	932	10,343	(3,124)	-24.9%	19
Roane	18,408	11,630	8,401	3,229	15,446	(6,191)	-33.6%	27
Summers	19,183	11,258	9,306	1,952	12,999	(8,136)	-42.4%	38
Taylor	18,422	11,670	9,454	2,216	16,089	(4,549)	-24.7%	18
Tucker	10,600	6,051	5,011	1,040	7,321	(4,319)	-40.7%	36
Tyler	10,535	7,391	5,981	1,410	9,592	(2,353)	-22.3%	16
Upshur	19,242	16,845	11,032	5,813	23,404	(1,651)	-8.6%	11
Wayne	38,696	32,278	17,778	14,500	42,903	(10,293)	-26.6%	20
Webster	17,888	11,446	6,366	5,080	9,719	(13,249)	-74.1%	51
Wetzel	20,154	17,137	10,894	6,243	17,693	(8,704)	-43.2%	39
Wirt	5,119	3,636	2,698	938	5,873	(184)	-3.6%	9
Wood	66,540	71,737	42,064	29,673	87,986	(8,227)	-12.4%	14
Wyoming	37,540	30,484	12,494	17,990	25,708	(29,822)	-79.4%	52
WV Total	2,005,053	1,553,966	953,674	600,292	1,808,344	(797,001)	-39.7%	



HSC Statistical Brief



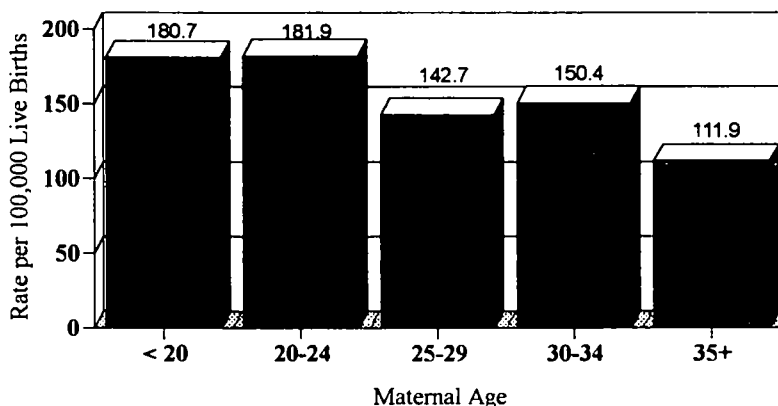
Cleft Palate and/or Lip Birth Defects, 1990-1999 West Virginia Residents Brief No. 9

During the 10 years from 1990 through 1999, 350 children in West Virginia were diagnosed as having cleft palates and/or cleft lips. Using the 214,497 births that occurred to West Virginia residents during this time period as a denominator, a rate of 163.2 per 100,000 live births was calculated for these defects.

Demographics

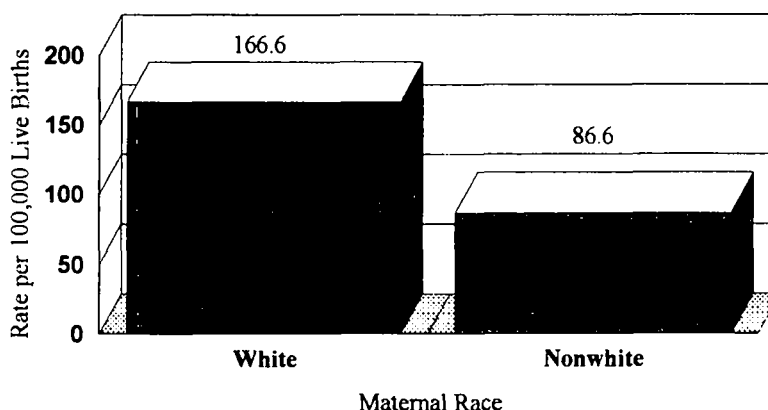
Among the factors that affect the prevalence of cleft palate and cleft lip defects is maternal age. Older mothers are less likely to give birth to children with these defects than their younger counterparts. Women ages 35 and over produced children with cleft palates and/or cleft lips at a rate of 111.9 per 100,000 live births. In contrast, women ages 20-24 gave birth to children with these defects at a rate of 181.9 per 100,000 live births.

Figure One
Cleft Defects by Maternal Age
West Virginia Residents, 1990 - 1999



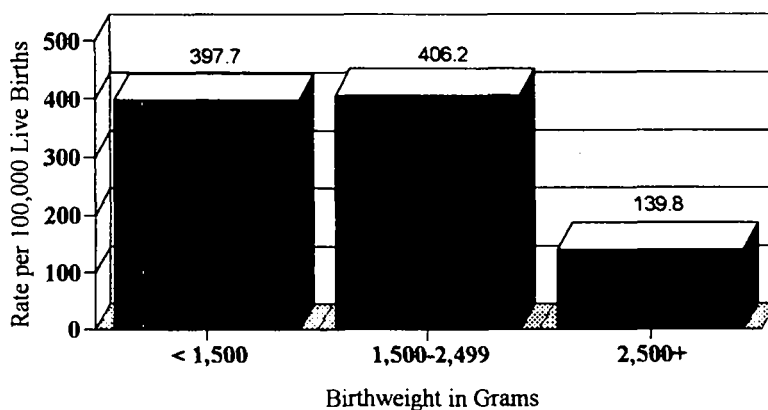
Ethnicity of mother is another indicator of the odds of a child being born with a cleft palate or cleft lip. Children of white mothers were observed to have these anomalies at the rate of 166.6 per 100,000 live births. However, children of nonwhite mothers were observed to have cleft palates and/or cleft lips at a rate of only 86.6 per 100,000 live births.

Figure Two
Cleft Defects by Maternal Race
West Virginia Residents, 1990-1999



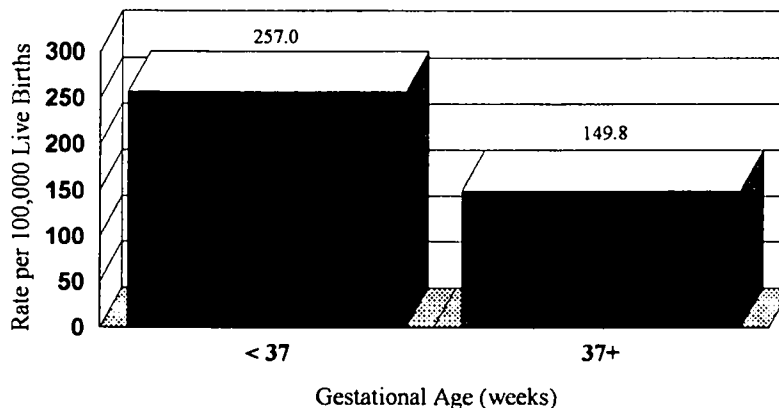
Low birthweight is another factor that influences the likelihood of a child being born with a cleft palate and/or lip. Children of very low birthweights, i.e., weighing less than 1,500 grams (3.5 pounds) at the time of birth, were born with these defects at a rate of 397.7 per 100,000 live births. Similarly, children of moderately low birthweights, i.e., weighing between 1,500 and 2,499 grams (3.5 - 5.5 pounds) at birth, had a rate of 406.2 per 100,000 live births. In contrast, children with a birthweight of 2,500 or more grams had a much lower rate of these defects, 139.8 per 100,000 live births.

Figure Three
Cleft Defects by Birthweight
West Virginia Residents, 1990 - 1999



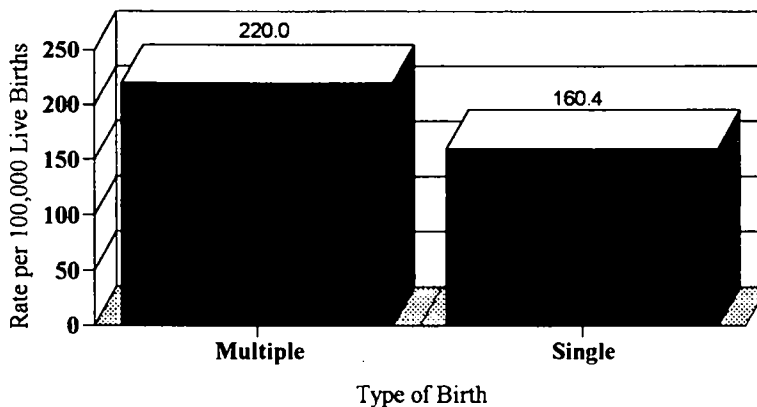
Gestational age is another factor in the odds of child being born with a cleft palate or cleft lip. Children who were born prematurely, whose gestational age was less than 37 weeks, were observed to have cleft palates and/or cleft lips at a rate of 257.0 per 100,000 live births. Those children whose gestational age was 37 weeks or more had one or both of these anomalies at a rate of 149.8 per 100,000 live births.

Figure Four
Cleft Defects by Gestational Age
West Virginia Residents, 1990 - 1999



Plurality, or multiple births, also affects the rate of these defects. Children who shared the womb with one or more siblings were observed to have a rate of cleft defects of 220.0 per 100,000 live births. In contrast, singleton children had a lower rate, 160.4 per 100,000 live births.

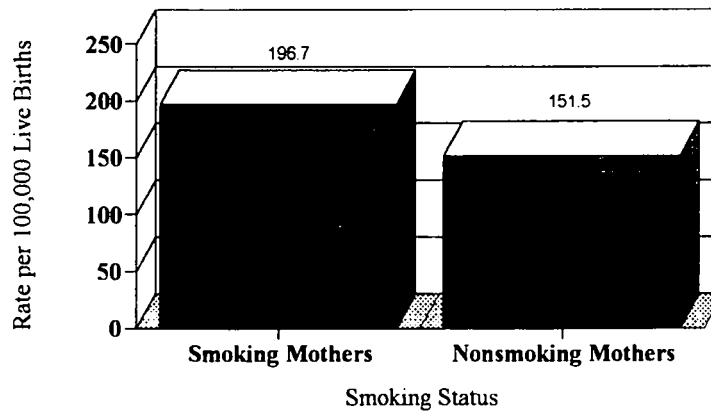
Figure Five
Cleft Defects by Number Delivered
West Virginia Residents, 1990 - 1999



Behavioral Factors

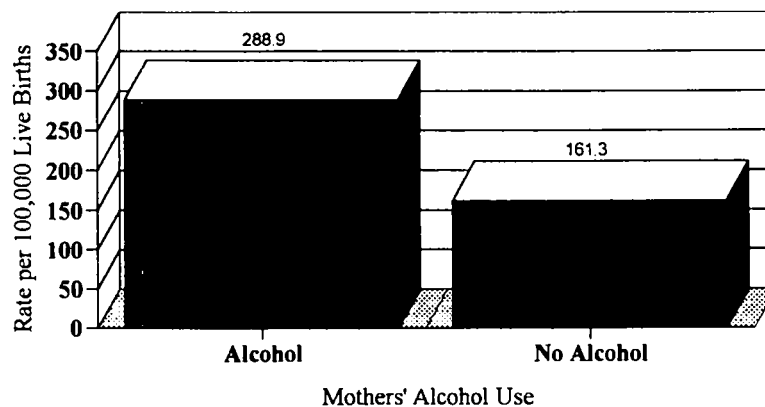
Smoking status of the mother is a behavioral factor that influences the odds of child being born with a cleft lip and/or palate. Mothers who smoked during pregnancy gave birth to children with cleft defects at a rate of 196.7 per 100,000 live births. Children of nonsmoking mothers were observed to have cleft palates and/or cleft lips at a rate of 151.5 per 100,000 live births.

Figure Six
Cleft Defects by Mothers' Smoking Status
West Virginia Residents, 1990 - 1999



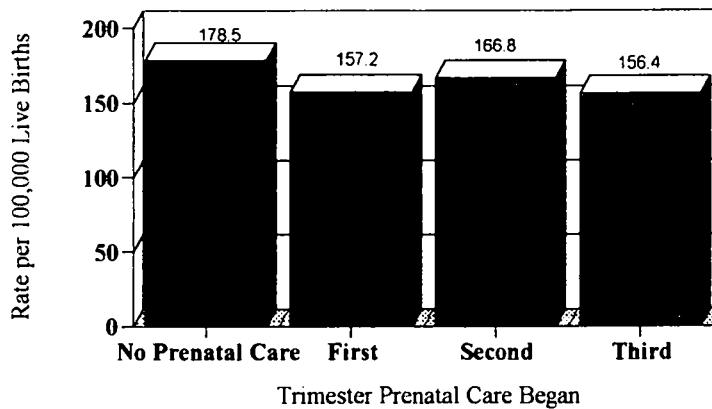
Another behavioral factor that influences the rate of cleft palate and/or cleft lip defects is alcohol consumption of the mother. Women who consumed alcohol during pregnancy gave birth to children with these defects at a rate of 288.9 per 100,000 live births. In contrast, the rate of cleft defects of children of mothers who did not consume alcohol during pregnancy was nearly half, i.e., 161.3 per 100,000 live births.

Figure Seven
Cleft Defects by Mothers' Alcohol Use
West Virginia Residents, 1990 - 1999



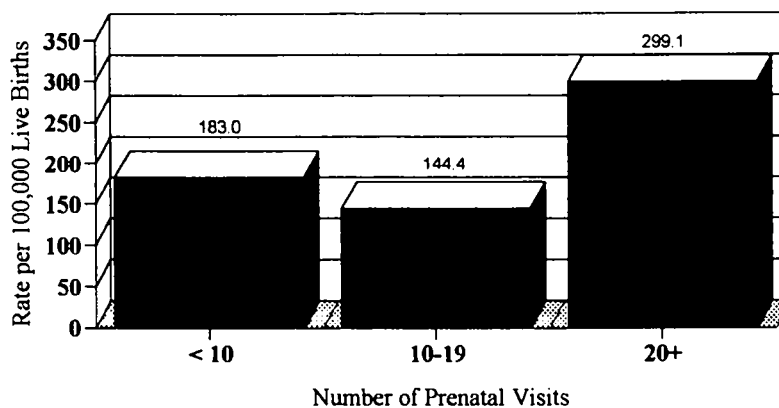
The association between the onset of prenatal care and the rate of cleft defects is shown by Figure Eight. Those women who received no prenatal care produced children with cleft defects at a rate of 178.5 per 100,000 live births. In contrast, those who began prenatal care in the first trimester of pregnancy gave birth to children with cleft defects at a rate of 157.2 and those who started prenatal care during the second trimester produced children with cleft defects at a rate of 166.8. Surprisingly, those who waited until the third trimester had a cleft defect rate of only 156.4 per 100,000 live births.

Figure Eight
Cleft Defects by Onset of Prenatal Care
West Virginia Residents, 1990 - 1999



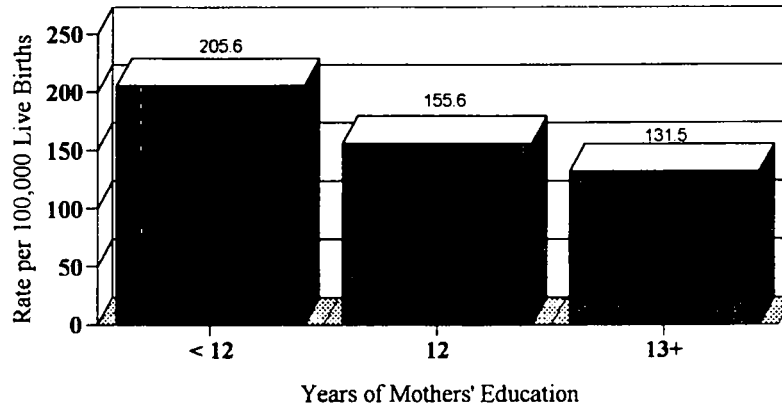
As with timeliness, the quantity of prenatal care may influence the rate of cleft defects. Those women who visited their obstetricians fewer than 10 times before giving birth produced children with cleft defects at a rate of 183.0 per 100,000 live births. Those who had 10 to 19 prenatal visits gave birth to children with cleft defects at a rate of 144.4 per 100,000 live births. However, those who had 20 or more prenatal visits, which would include women known to have pregnancy complications, produced children with cleft defects at a much higher rate, 299.1 per 100,000 live births.

Figure Nine
Cleft Defects by Number of Prenatal Visits
West Virginia Residents, 1990 - 1999



The prevalence of cleft palate and/or lip defects declines as the education levels of mothers increase. Mothers with less than 12 years of education gave birth to children with cleft defects at a rate of 205.6 per 100,000 live births. Those with 12 years of education produced children with cleft defects at a rate of 155.6. Mothers who had 13 or more years of education gave birth to children with cleft defects at an even smaller rate, 131.5 per 100,000 live births.

Figure Ten
Cleft Defects by Mother's Education Level
West Virginia Residents, 1990 - 1999



This brief is intended only to provide statistical data on the numbers and rates of reported cleft palate and/or lip birth defect incidences from 1990-99 and does not include information on services available for children who have been affected. For information on services available, contact the Office of Maternal, Child and Family Health at 1-800-642-8522.

APPENDIX

NCHS Supplements



Year 2000 Population Standard for Age- Adjusting Death Rates in the United States

Information on the adoption, implementation and impact, plus frequently asked Q&A's

From the CENTERS FOR DISEASE CONTROL AND PREVENTION/National Center for Health Statistics

Adoption of the Year 2000 population standard

The National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention has adopted a new population standard for age-adjusting death rates in the United States. NCHS is one of many

health and statistical organizations that has adopted the Year 2000 population as the new standard. Age adjusting is a process by which the age composition of a population is held constant so that changes or differences in age composition can be eliminated from the analysis. This is necessary

continued on page 2

because older populations have higher death rates merely because death rates increase with age. Age adjusting allows the researcher to make meaningful comparisons over time and among groups in the risk of mortality.

Purpose of the Year 2000 standard

The reason for the adoption of a new standard is to promote uniformity and comparability of data from many organizations by choosing a single population standard. For many years, NCHS had used the 1940 U.S. population as the standard and other agencies had used this or other populations for age adjusting. Adoption of a new population standard by agencies that produce or utilize data will eliminate the confusion and misunderstanding created by the use of various population standards and would preclude the need to recalculate mortality rates for multiple purposes and multiple uses.

Implementation of the Year 2000 standard

The first release of NCHS data using the Year 2000 population standard will be in the upcoming report of preliminary death statistics for 1999 to be issued in the Fall of 2000. To aid users, the report will include age-adjusted death rates for

1999 and 1998. Data for earlier years, recalculated by the Year 2000 standard, will be available on the Internet. In addition, the mortality data base on the CDC WONDER system (available through the CDC Website at www.cdc.gov) will provide users with the option of the Year 2000 for age adjusting death rates, along with a variety of other standard populations. In general, it is only appropriate to track trends over time or make comparisons among groups using the same population standard.

Impact of the Year 2000 standard

Comparing age-adjusted rates calculated by the Year 2000 population standard to those calculated using the 1940 population standard would appear to increase the overall age-adjusted rates; increase rates for some causes for such major chronic diseases as heart disease, cancer and stroke; reduce age-adjusted rates for such causes as homicide; and reduce racial disparities typically seen in overall and cause-specific mortality rates. However, these changes represent only the effect of the new standard not a real change in mortality rates. Age-adjusted death rates should be used for comparative purposes only and should not be interpreted as the absolute risk of death.



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics



Information on the Year 2000 Standard

For more information on the Year 2000 population standard and age adjusting mortality rates, check the NCHS mortality website at www.cdc.gov/nchswww/about/major/dvs/mortdata.htm. The NCHS publication, "Age Standardization of Death Rates: Implementation of the Year 2000 Standard," National Vital Statistics Reports, Vol. 47, No. 3, October 7, 1998 provides an overview of the adoption and use of the standard.

Frequently Asked Questions

1. What are death rates?

Death rates are the number of deaths shown in relation to the population at risk. This permits a meaningful comparison of the risk of mortality for population groups of various sizes. This type of death rate is called a crude death rate, because no adjustments are made to the rate. The crude death rate shows the absolute burden or risk of death.

2. What are age-adjusted death rates?

The age-adjusted death rate provides a single, summary (or average) measure of mortality risk based on a standard population. By using a standard

population to calculate the age-adjusted death rate, the age composition among periods or population groups is held constant. This is necessary because older populations have higher death rates merely because death rates increase with age.

3. When should age-adjusted death rates be used?

You should consider using age-adjusted death rates when analyzing mortality trends or comparing different population groups or different geographic areas. Crude (or unadjusted) death rates may be used to determine the absolute rate of death at any given time. In addition, a thorough analysis of mortality should also involve the examination of age-specific death rates (rates for specific age groups) because they are largely unaffected by differences in age composition.

4. Why was a new population standard selected at this time?

A number of standard populations have been used by major health and statistical agencies. Comparison of data from these groups was difficult and sometimes confusing. A 1997 workshop with technical and policy experts recommended that a common standard population be adopted. In addition, the workshop recommended that a population standard that represents

the current population be adopted. Thus, the Year 2000 population standard was selected.

5. Who has adopted the new population standard?

The Department of Health and Human Services (HHS) adopted the new standard in 1998 and since that time agencies, such as the National Institutes of Health and the Centers for Disease Control and Prevention have developed plans for the implementation of the Year 2000 standard. NCHS will implement the new standard beginning with data for 1999. In addition, state vital statistics programs have or will be adopting the new standard. It is expected that other public and private groups will utilize the new standard as appropriate with their data systems.

6. What help will be provided to understand and use the Year 2000 standard?

There are published reports that provide extensive information on the use of the Year 2000 standard. To aid users in trend analysis, NCHS publications will include age-adjusted death rates for earlier years recalculated by the Year 2000 standard. Historic time series back to the data year 1968 calculated by the new standard will also be available. In addition, the mortality data base on the CDC WONDER system

(available through the CDC Website at <http://wonder.cdc.gov/>) will provide users with the option of the Year 2000 for age standardizing death rates, along with a variety of other standard populations.

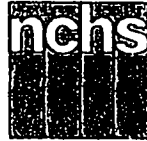
FOR MORE ABOUT THE YEAR 2000 POPULATION STANDARD:

- NCHS Website at <http://www.cdc.gov/nchs>
- NCHS mortality website at www.cdc.gov/nchs/about/major/dvs/mortdata.htm
- NCHS Publications:

"Age Standardization of Death Rates: Implementation of the Year 2000 Standard," National Vital Statistics Reports, Vol. 47, No. 3, October 7, 1998, by Robert N. Anderson and Harry M. Rosenberg provides an overview of the adoption and use of the standard.

"Report on the Second Workshop on Age Adjustment," Vital and Health Statistics, Series 4, No. 30, December 1998, by Robert N. Anderson and Harry M. Rosenberg reports on the discussion of the technical issues involved in the selection and implementation of a new standard population.

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For Mortality, U.S. Implements:

International Classification of Diseases 10th Revision (ICD-10)

ICD-10 promotes international comparability in the collection, classification, processing, and presentation of mortality statistics.

From the CENTERS FOR DISEASE CONTROL AND PREVENTION
National Center for Health Statistics

Implementation of ICD-10

The first release of data using the 10th Revision of the *International Classification of Diseases* (ICD) from the National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention will be the upcoming report on 1999 preliminary death statistics issued in the latter part of 2000. The ICD is a classification

system developed collaboratively between the World Health Organization (WHO) and 10 International centers so that the medical terms reported by physicians, medical examiners, and coroners on death certificates can be grouped together for statistical purposes. ICD-10 replaces the classification, ICD-9, used with 1979-98 data.

Purpose of ICD-10

The purpose of the ICD and of WHO sponsorship is to promote international comparability in the collection, classification, processing, and presentation of mortality statistics. New revisions of the ICD are implemented periodically so that the classification reflects advances in medical science.

Impact of the ICD-10

ICD-10 affects the classification, processing, and presentation of mortality data. Some titles have changed; the total number of categories has doubled as a result of the addition or deletion of terms used to describe diseases or conditions; the transfer of certain diseases from one section to another reflects new discoveries and advances in knowledge on the nature or cause of particular diseases; and the addition of separate categories identifies specific diseases or particular complications of certain diseases that are of growing interest. Additionally, the codes associated with each title have been converted from numeric to alphanumeric entities. The

ICD rules for processing mortality data are generally similar but account for some changes observed in mortality statistics. The tabulation lists used to present mortality data in routine tables have been revised to reflect the new classification.

Frequently Asked Questions About the ICD-10

1. Why do we use ICD-10?

The United States is required to use the ICD for the classification of diseases and injuries under an agreement with WHO. By using the ICD, the U.S. collects, processes, and presents mortality data in a similar way to other countries around the world. This permits comparison of data across countries. Periodically, new revisions are developed to reflect advances in medical science.

2. Who administers ICD-10?

The ICD is developed collaboratively between the World Health Organization and 10 International centers, one of which is housed at NCHS and is called the WHO Collaborating Center for the Classification of Diseases in North America.



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics



3. How does ICD-10 compare to ICD-9?

The intent of developing new revisions is to incorporate changes in medical knowledge. Each successive revision has a similar core to the previous revision.

Compared with ICD-9, ICD-10 has:

- expanded detail for many conditions (e.g., viral hepatitis has been expanded from ICD-9 070, a single 3-digit category, to ICD-10 B15-B19, five 3-digit categories)
- transferred conditions around the classification (e.g., hemorrhage has been moved from the circulatory chapter to the symptoms and signs chapter)
- used alphanumeric codes instead of numeric codes (e.g., code for diabetes mellitus was 250 in ICD-9 and is E10-E14 in ICD-10)
- modified coding rules (e.g., the "Old pneumonia, influenza, and maternal conditions" and "Error and accidents in medical care" coding rules have been eliminated)
- modified the tabulation lists (e.g., the US' ICD-10 113-cause list replaces the US' ICD-9 72-cause list)

The results of the preliminary comparability study (examines similar categories in successive revisions to measure the extent of breaks in trends caused by introducing a new ICD revision) is expected to be available by fall 2000.

4. How do I obtain a copy of ICD-10?

Electronic and bound versions can be purchased from WHO at www.who.int/whosis/icd10/; however, NCHS and the States are using a copy modified and corrected by NCHS. The NCHS version converts the English spellings to American spellings and incorporates changes made after the WHO version was published. A WHO copyright precludes NCHS from electronically distributing the ICD-10 version being used in the United States. NCHS lists of causes used to publish mortality data are available. The detailed each cause list can be obtained from the Web site at ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/ICD10/ and the other tabulation lists can be found in Instruction Manual Part 9 at www.cdc.gov/nchs/about/major/dvs/im.htm.

5. When will ICD-11 be available?

There are no immediate plans to develop an ICD-11.

Beginning with ICD-10, WHO has set up a pilot mechanism to incorporate changes between revisions. The 10 international centers or other national health agencies submit recommendations for changes to WHO committees that have been set up expressly for this purpose.

6. What are leading causes of death in the United States for ICD-10?

The leading causes of death are determined using a specific tabulation list and rules for ranking. In ICD-10, the 113 cause list is used for ranking except when ranking infant causes separately. The leading causes of death for infants uses the 130 cause list. The specific causes of death eligible to be ranked are shown in the 113 and 130 cause lists in Instruction Manual Part 9 at www.cdc.gov/nchs/about/major/dvs/im.htm. Ranking is based on the number of deaths for the specific causes eligible to be ranked.

7. What is the difference between ICD and ICD-CM?

The *International Classification of Diseases* (ICD) is the classification used to code and classify mortality data from death certificates. The *International Classification of Diseases, Clinical Modification* (ICD-CM) is used to code and classify morbidity data from the inpatient and outpatient records and physician offices. The implementation date for the 10th revision of the clinical modification of ICD-10 (ICD-10-CM) has not been set yet.

8. How can one obtain assistance in using ICD-10?

Assistance in using the ICD-10 can be obtained by contacting NCHS's Data Dissemination Branch at: 6525 Belcrest Road Room 1064 Hyattsville, MD 20782-2003 (301) 458-4636 (Voice) (301) 458-4027 (Fax)

For More Information about the ICD-10:

ICD-10 Web page at: www.cdc.gov/nchs/icd9.htm

NCHS mortality Web page at: www.cdc.gov/nchs/about/major/dvs/mortdata.htm

NCHS Web site at: www.cdc.gov/nchs/