

West Virginia Vital Statistics 2008



WEST VIRGINIA
Department of

**Health &
Human
Resources**



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Health Statistics Center
350 Capitol Street, Room 165
Charleston, WV 25301*

*Earl Ray Tomblin, Governor
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SIXTY-SECOND ANNUAL REPORT

WEST VIRGINIA
VITAL STATISTICS
2008



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FOREWORD

West Virginia Vital Statistics 2008 publication provides an in-depth look at births, deaths, marriages, and divorces that occurred among state residents in 2008. **Beginning with this edition state, county, and city sections are presented separately. For example, a table on county-level birth data which was previously in the birth section is now located in the county section beginning on page 97.** Please see the Table of Contents for further reference.

West Virginia had a natural decrease in population (excess of deaths over births) for the first time in six years. West Virginia rose in overall population between 2007 and 2008 with 23 of the 55 counties gaining population.

The number of total births decreased (22,017 to 21,493) from 2007 to 2008, and the births to teenage mothers increased for the second straight year. Births to unmarried mothers continued to rise; two out of every five births in 2008 occurred out of wedlock.

Of the women who gave birth in 2008, 80.8% received prenatal care during the first trimester of pregnancy while 27.0% smoked during pregnancy. The percentage of low birthweight babies stayed the same at 9.5% in 2007 and 2008; in 2008, 35.7% of all babies were delivered by Cesarean section. The infant death rate rose from 7.4 per 1,000 live births in 2007 to 7.7 in 2008.

The number of deaths increased by 484 in 2008. The average age at death for West Virginians was 69.0 for men and 75.9 for women. Heart disease, cancer, chronic lower respiratory disease, and accidents were the four leading causes of death, accountable for 59.2% of all deaths in West Virginia. Motor vehicle traffic accident deaths decreased by 45 in 2008, from 425 to 380. Marriages decreased for the seventh time in eight years, from 13,308 in 2007 to 13,025. Divorces also decreased, from 9,305 in 2007 to 8,903 in 2008.

Induced termination of pregnancy (ITOP) or induced abortion was added to our annual report beginning in 2005. This section contains data of those terminations performed in West Virginia only. There were 1,982 ITOPs performed in the state in 2008 compared with 1,849 in 2007. In 2008, 117 of these procedures involved a minor under the age of 18 compared with 122 in 2007.

Among the unmarried mothers giving birth in West Virginia, a father was established through a paternity affidavit in 71.2% of these births, higher than the 2007 percentage of 69.7%.

Because of limited funds and the high cost of printing, we ask that you please make copies of this publication and share it with others. Please note that these data can be accessed online later in the year at <http://www.wvdhhr.org/bph/hsc/statserv/> along with other statistical publications. If you need any additional information, please contact the Health Statistics Center at (304) 558-9100 or online at <http://www.wvdhhr.org/bph/hsc/contactUs.asp>.

Daniel M. Christy, M.P.A, Director
Health Statistics Center

2008 West Virginia and United States Vital Statistics Review

	West Virginia		United States***	
	Number	Rate*	Number	Rate*
Live Births	21,493	11.8	4,247,694	14.1
Deaths	21,551	11.9	2,452,605	8.1
Fetal Deaths	94	**4.4	N/A	N/A
Neonatal Deaths	96	**4.5	19,058 (2007)	**4.4
Infant Deaths	166	**7.7	29,138 (2007)	**6.7
Marriages	13,025	7.2	2,162,474	7.1
Divorces & Annulments	8,903	4.9	N/A	N/A
Natural Increase (Decrease)	(58)	-0.03	1,795,089	6.0
Population (2008 Estimate)	1,814,468		301,621,157	

*Rates based on 2008 Bureau of the Census population estimates. Website address <http://www.census.gov/popest/states/NST-ann-est2008.html> (followed by the spreadsheet - NST-EST2008-01.xls).

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

***National Center for Health Statistics.

(Births) *National Vital Statistics Report*. Website address http://www.cdc.gov/nchs/data/nvsr/nvsr59/nvsr59_01.pdf

(Deaths and Marriages) *National Vital Statistics Report*. Website address http://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57_19.pdf

(Neonatal and Infant Deaths) *National Vital Statistics Report*. Website address http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf

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Selected Records and Trivia West Virginia, 2008

Nativity

Oldest Father: 70
 Youngest Father: 14
 Oldest Mother: 47
 Youngest Mother: 11
 Highest Live Birth Order: 13th Delivery – 12 siblings (brothers and sisters)
 Day Most Births Occurred: February 5 and October 7 (94)
 Day Fewest Births Occurred: April 27 (17)
 Number of Live Born Twins: 646
 Number of Live Born Triplets: 9
 Number of Live Born Quadruplets: 4

Most Popular Names for Babies

<u>Boys' Names</u>	<u>Number</u>	<u>Girls' Names</u>	<u>Number</u>
Jacob	185	Madison	168
Ethan	140	Emma	151
Hunter	133	Emily	117
Landon	131	Abigail	116
Noah	124	Olivia	116
James	113	Ava	111
Logan	113	Isabella	106
Aiden	112	Chloe	96
Brayden	107	Alexis	95
Joshua	107	Addison	87

Mortality

Oldest Male Decedent: 109
 Oldest Female Decedent: 109
 Number of Male Decedents 100 Yrs. & Older: 24
 Number of Female Decedents 100 Yrs. & Older: 127
 Day Most Deaths Occurred: March 13 (90)
 Day Fewest Deaths Occurred: April 16 and October 1 (34)

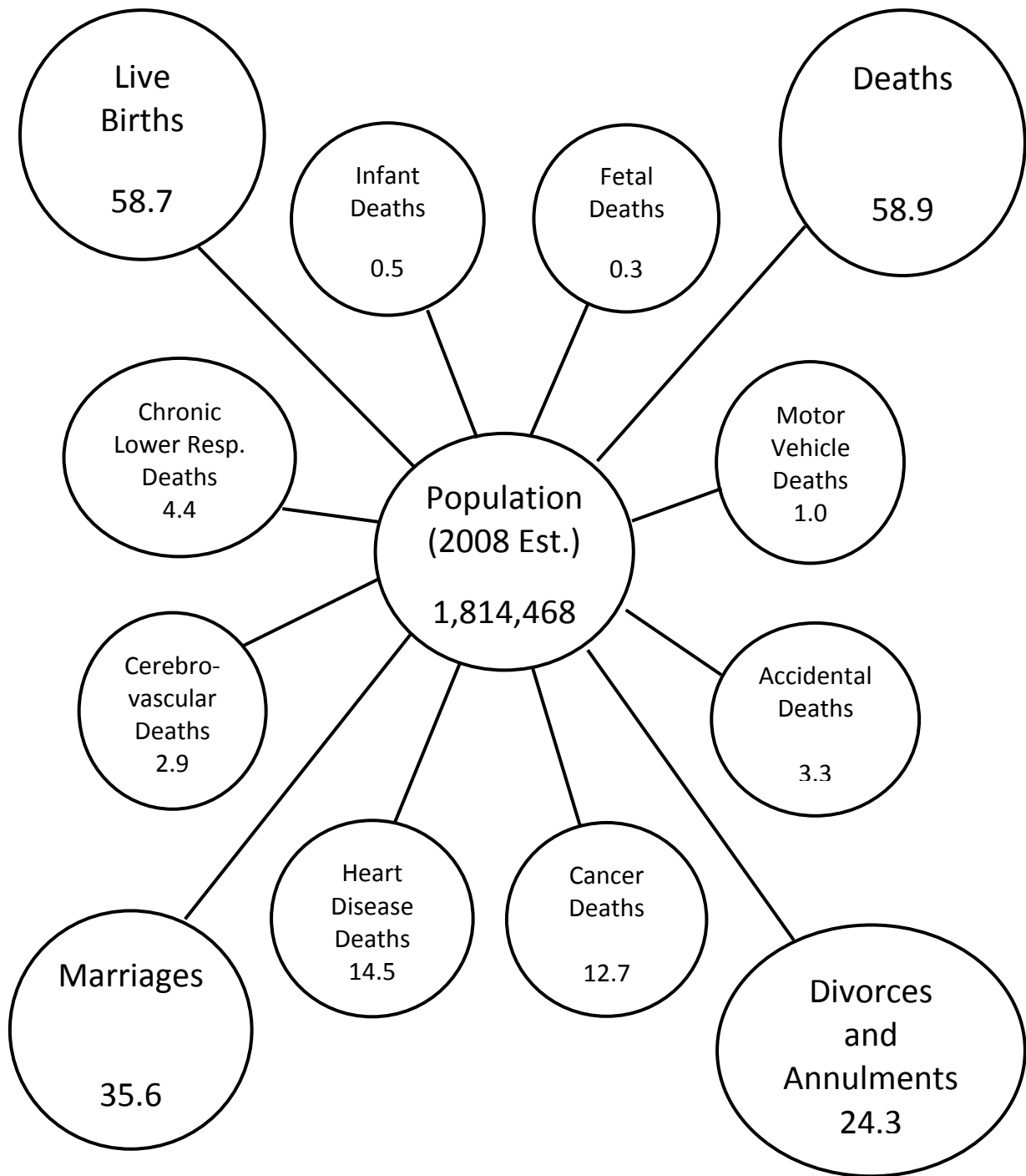
Marriage

Oldest Groom: 91
 Youngest Groom: 16
 Oldest Bride: 89
 Youngest Bride: 15
 Largest Age Difference with Bride Older: 37 Years
 Largest Age Difference with Groom Older: 43 Years

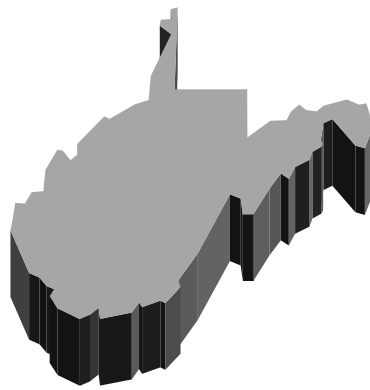
Divorce

Oldest Male Divorcé: 92
 Youngest Male Divorcé: 17
 Oldest Female Divorcée: 91
 Youngest Female Divorcée: 15
 Marriage of Longest Duration Ending in Divorce: 57 Years

Average Day Statistics West Virginia, 2008



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West Virginia Vital Statistics

Population

Population Summary

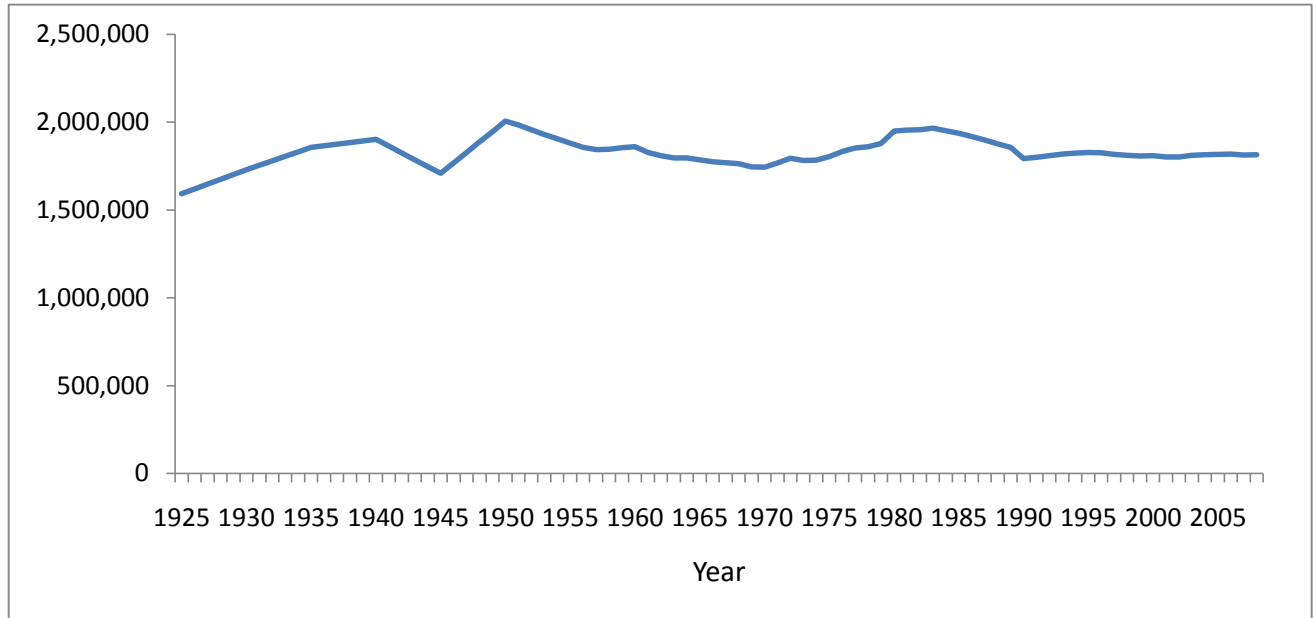
In 2008, 58 West Virginians were lost to the total population as a result of natural decrease, the excess of deaths over births. The 2008 Census estimates show an overall increase (approximately 0.3%) in the state's population since 2000, from 1,808,344 to 1,814,468. This increase is the result of a slight growth in the excess of immigration over outmigration during that span, as well as the natural increase.

Although there was an increase in the overall population from 2000 to 2008, only 20 of the state's 55 counties have shown an increase. Furthermore, only four of the state's 25 largest cities have shown an increase in population since the 2000 Census.

The U.S. Census Bureau estimates the population during non-census years and can be found at www.census.gov. Updates are officially announced as of July 1 of every year until the decennial census, which is on April 1. Every year, the actual estimates change from previous years, but vintage years are still available on their website.

West Virginia Population, 1925-2008

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%
2005*	1,816,856	2000 to 2005	0.5%
2006*	1,818,470	2005 to 2006	0.1%
2007*	1,812,035	2006 to 2007	-0.4%
2008*	1,814,468	2007 to 2008	0.1%

West Virginia Population by County, 2007 and 2008

Table 1

County	2007*	2008*	County	2007*	2008*
Barbour	15,532	15,600	Monongalia	87,516	88,221
Berkeley	99,734	102,044	Monroe	13,537	13,739
Boone	25,201	24,977	Morgan	16,351	16,325
Braxton	14,639	14,700	Nicholas	26,160	26,137
Brooke	23,661	23,520	Ohio	44,398	44,106
Cabell	94,435	94,631	Pendleton	7,650	7,582
Calhoun	7,201	7,212	Pleasants	7,183	7,150
Clay	10,120	10,075	Pocahontas	8,571	8,472
Doddridge	7,262	7,201	Preston	30,254	30,285
Fayette	46,334	46,341	Putnam	55,001	55,488
Gilmer	6,907	6,873	Raleigh	79,170	79,357
Grant	11,925	12,047	Randolph	28,292	28,264
Greenbrier	34,586	34,567	Ritchie	10,371	10,308
Hampshire	22,577	22,574	Roane	15,295	15,169
Hancock	30,189	30,008	Summers	13,202	13,017
Hardy	13,661	13,591	Taylor	16,117	16,158
Harrison	68,309	68,853	Tucker	6,868	6,877
Jackson	28,223	28,157	Tyler	8,952	8,841
Jefferson	50,832	51,615	Upshur	23,508	23,582
Kanawha	191,306	191,018	Wayne	41,231	41,082
Lewis	17,145	17,281	Webster	9,435	9,394
Lincoln	22,322	22,386	Wetzel	16,432	16,329
Logan	35,629	35,525	Wirt	5,809	5,757
McDowell	22,991	22,707	Wood	86,088	86,204
Marion	56,728	56,496	Wyoming	23,674	23,534
Marshall	33,148	32,766			
Mason	25,546	25,678			
Mercer	61,350	61,500	WV Total	1,812,035	1,814,468
Mineral	26,722	26,795			
Mingo	26,755	26,352			

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

West Virginia Bureau for Public Health
Health Statistics Center

West Virginia Population Characteristics, 2000 and 2008
 Distribution by Gender, Age, and Race
 Table 2

Characteristic	2000 Census		2008 Estimate	
	Number	Percent	Number	Percent
<u>Total</u>	1,808,344	100.0%	1,814,468	100.0%
<u>Gender</u>				
Male	879,170	48.6%	888,696	49.0%
Female	929,174	51.4%	925,772	51.0%
<u>Age</u>				
Less than 5 Years	101,805	5.6%	105,435	5.8%
5-17 Years	300,588	16.6%	280,723	15.5%
18-44 Years	673,774	37.3%	628,738	34.7%
45-64 Years	455,282	25.2%	514,505	28.4%
65 Years and Older	276,895	15.3%	285,067	15.7%
<u>Race</u>				
White or Caucasian	1,718,777	95.0%	1,715,122	94.5%
Black or African American	57,232	3.2%	64,987	3.6%
Asian/Pacific Islander	9,834	0.5%	11,977	0.7%
American Indian, Eskimo, and Aleutian Islander	3,606	0.2%	4,203	0.2%
All Other Races	18,895	1.0%	18,179	1.0%
<u>Hispanic Origin*</u>	12,279	0.7%	20,648	1.1%

*May be of any race

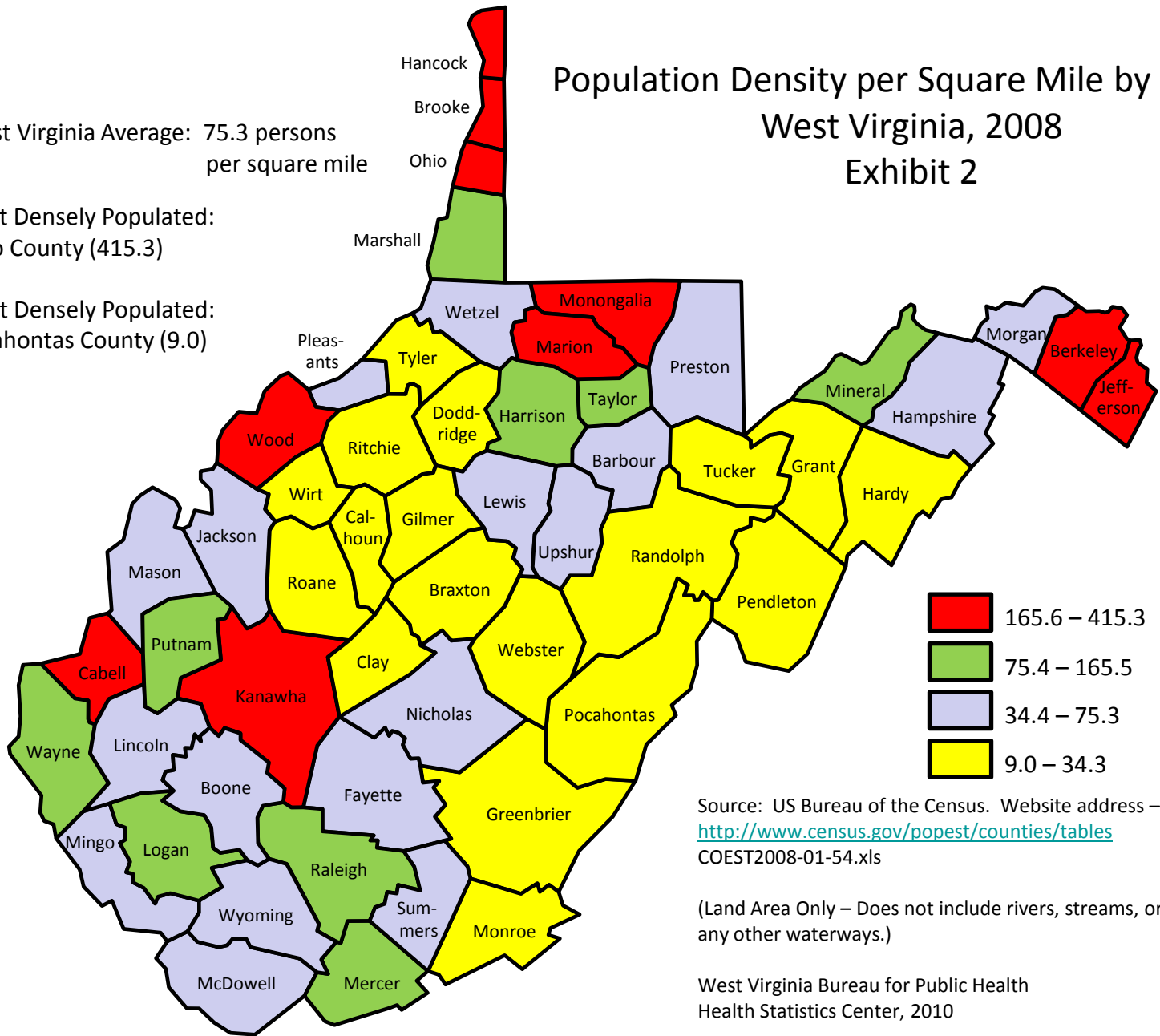
2008 Estimate Source: <http://www.census.gov/popest/states/asrh/SC-EST2008-AGESEX-RES.csv>

Population Density per Square Mile by County West Virginia, 2008 Exhibit 2

West Virginia Average: 75.3 persons per square mile

Most Densely Populated:
Ohio County (415.3)

Least Densely Populated:
Pocahontas County (9.0)



Source: US Bureau of the Census. Website address – <http://www.census.gov/popest/counties/tables/COEST2008-01-54.xls>

(Land Area Only – Does not include rivers, streams, or any other waterways.)

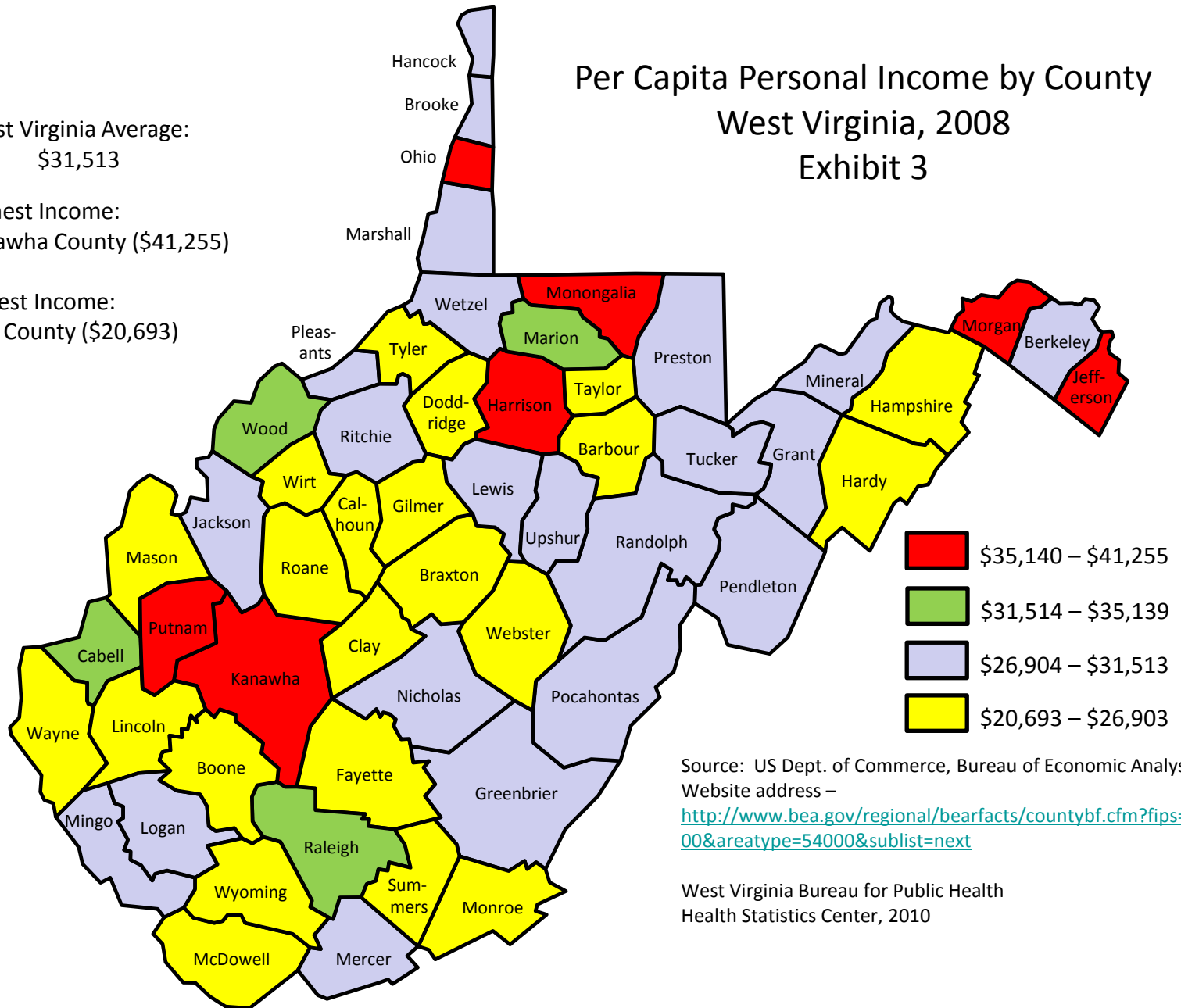
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Per Capita Personal Income by County West Virginia, 2008 Exhibit 3

West Virginia Average:
\$31,513

Highest Income:
Kanawha County (\$41,255)

Lowest Income:
Clay County (\$20,693)



Source: US Dept. of Commerce, Bureau of Economic Analysis.
Website address –
<http://www.bea.gov/regional/bearfacts/countybf.cfm?fips=54000&areatype=54000&sublist=next>

West Virginia Bureau for Public Health
Health Statistics Center, 2010

Births, Deaths, Natural Increase or Decrease, and Net Migration
West Virginia Population, 1950-2008

Table 3

Year	Population	Number of Births	Number of Deaths	Natural Increase or Decrease	Net Migration (+ or -)	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	19,718	9,720	61,924	3.81%
1981	1,954,000	27,810	19,039	8,771	(4,415)	0.22%
1982	1,957,000	27,263	18,796	8,467	(5,467)	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	19,858	3,321	(20,321)	-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	1,799,000	22,509	19,951	2,558	2,965	0.31%
1992	1,809,000	22,156	19,696	2,460	7,540	0.56%
1993	1,818,000	21,793	20,331	1,462	7,538	0.50%
1994	1,823,000	21,360	19,945	1,415	3,585	0.28%
1995	1,828,000	21,158	20,128	1,030	3,970	0.27%
1996	1,826,000	20,744	20,314	430	(2,430)	-0.11%
1997	1,816,000	20,735	20,872	(137)	(9,863)	-0.55%
1998	1,811,000	20,729	20,764	(35)	(4,965)	-0.28%
1999 - d	1,807,000	20,731	20,993	(262)	(3,738)	-0.22%
2000 - a	1,808,344	20,860	21,127	(267)	1,611	0.07%
2001	1,801,916	20,430	20,978	(548)	(5,880)	-0.36%
2002	1,801,873	20,725	20,999	(274)	231	0.00%
2003	1,810,354	20,986	21,299	(313)	8,794	0.47%
2004	1,815,354	20,911	20,776	135	4,865	0.28%
2005	1,816,856	20,834	20,773	61	1,441	0.08%
2006	1,818,470	20,931	20,649	282	1,332	0.09%
2007	1,812,035	22,017	21,067	950	(7,385)	-0.35%
2008 - e	1,814,468	21,493	21,551	(58)	2,491	0.13%

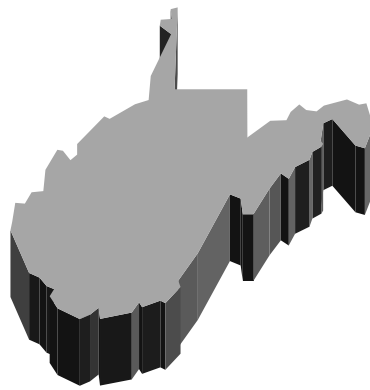
a. Enumerated as of April 1 of the specified year. (US Department of Commerce, Bureau of the Census)

b. Source of data 1950 through 1959: US 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: US Department of Commerce, Bureau of the Census, Current Population Reports. Series P-25 and P-26.

d. Source of data 1991 through 1999: Regional Research Institute, WVU, and US Bureau of the Census.

e. Source of data 2001 through 2008: http://www.census.gov/popest/counties/CO-EST2008-popchg2000_2008.html

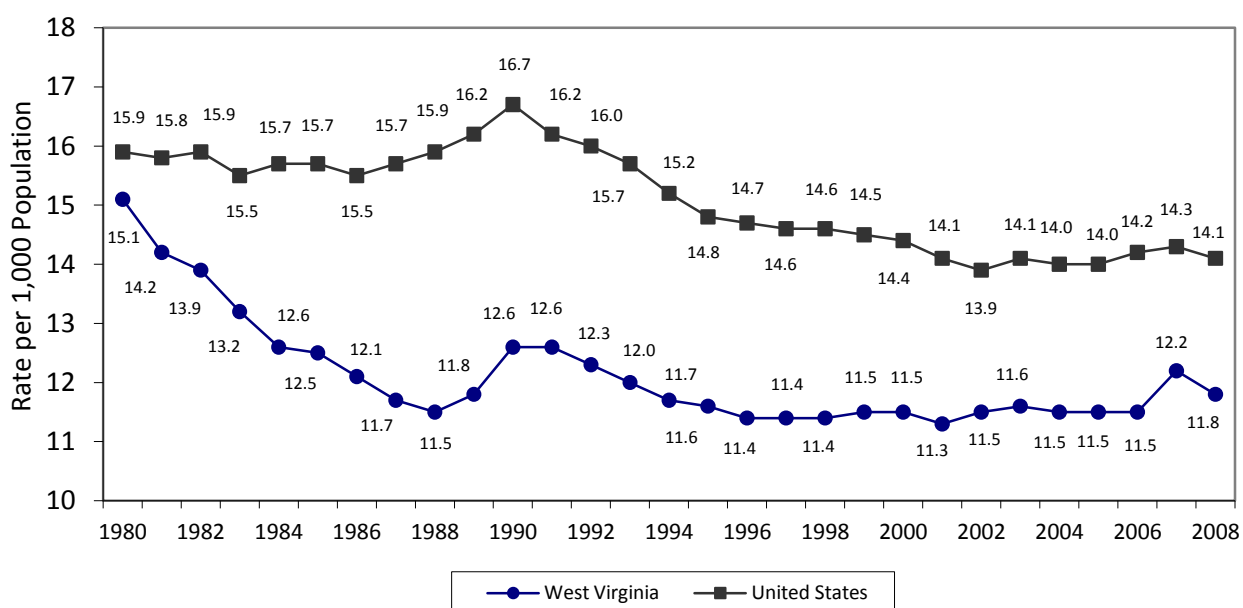


West Virginia Vital Statistics
Births

Birth Summary

West Virginia's resident live births decreased by 524 or 2.4%, from 22,017 in 2007 to 21,493 in 2008. The 2008 birth rate decreased 3.3%, from 12.2 per 1,000 population in 2007 to 11.8. The U.S. 2008 birth rate was 14.1 live births per 1,000 population, decreasing from the 2007 rate of 14.3. As the graph below shows, West Virginia's birth rate has been below the national rate since 1980. It continued its overall decline until 1996, interrupted by slight upturns in 1989 through 1991. It remained relatively stable from 1996 to 2006 and 2008 with an increase in 2007.

West Virginia and United States Birth Rates
1980-2008



The 2008 U.S. fertility rate of 68.4 live births per 1,000 women aged 15-44 was slightly lower (1.6%) than the 2007 rate (69.5). West Virginia's fertility rate decreased 1.4%, from 63.1 in 2007 to 62.2 in 2008. 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, 2008					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
48.5	41.5	64.7	73.6	62.2	68.4

* All fertility rates were calculated using 2008 estimates, U.S. Department of Commerce, Bureau of the Census.

**National Center for Health Statistics, website address: http://www.cdc.gov/nchs/data/nvsr/nvsr59/nvsr59_01.pdf.

The fertility rate among women aged 15-19 in West Virginia was 16.9% higher than that among young women in the U.S. (48.5 vs. 41.5). The fertility rate among women aged 20-44 was lower by 12.1% in the state than in the nation (64.7 vs. 73.7).

The number of births to teen mothers (ages 10-19) increased by 44 (1.6%), from 2,737 in 2007 to 2,781 in 2008. The percentage of total births represented by teen births was higher in 2008 than 2007 (12.9% vs. 12.4%). The lower fertility rate among older women, however, resulted in teenage births continuing to constitute a higher proportion of total births than was found nationally (10.4% in 2008).

The percentage of births occurring out of wedlock continued to rise in 2008. More than two of every five (41.9%) West Virginia resident births were to unwed mothers. The percentages of white and black births that occurred out of wedlock in West Virginia in 2008 were 40.8% and 75.2%, respectively, compared to 39.2% and 73.4% in 2007. In the United States in 2008, 28.7% of births to white mothers (non-Hispanic) and 72.3% of births to black mothers (non-Hispanic) occurred out of wedlock. The percentage of teen births to unmarried teen mothers in the state decreased slightly from 80.8% in 2007 to 80.5% in 2008.

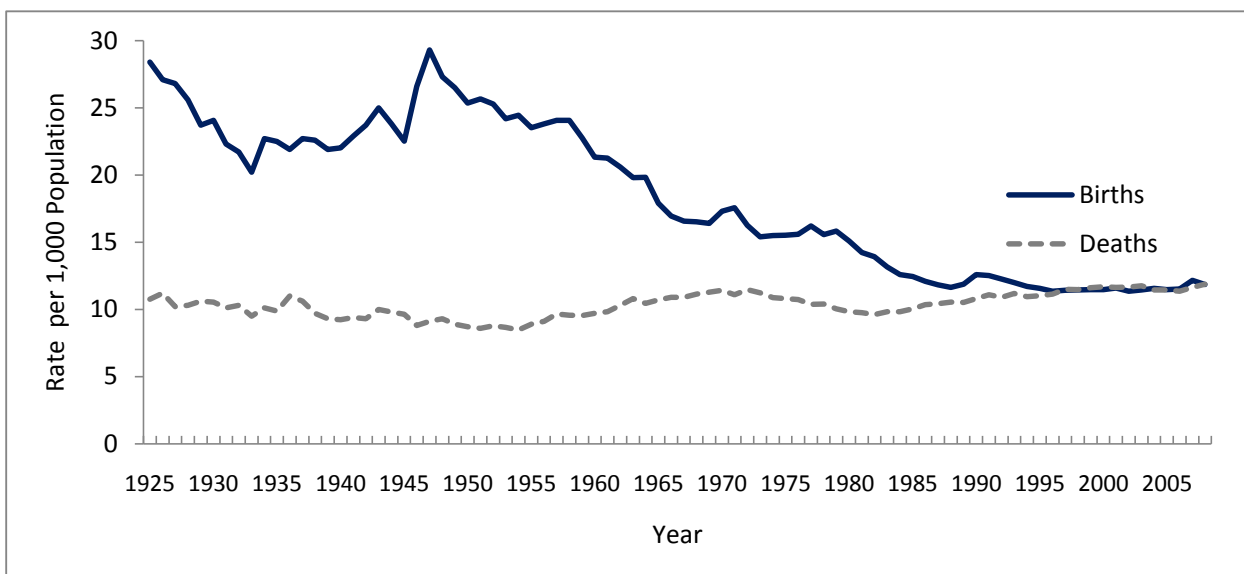
There was a total of 2,049 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2008, 9.5% of all births. Of the 2,049 low birthweight infants, 1,354 or 66.1% were preterm babies born before 37 weeks of gestation. (Of all 2008 resident births with a known gestational age, 11.8% were preterm babies.) Of all births with a known birthweight, 9.4% of babies born to white mothers and 14.5% of babies born to black mothers were low birthweight. Nationally, 8.2% of all infants weighed less than 2,500 grams at birth in 2008; 7.2% of births to white mothers and 13.7% of births to black mothers were of low birthweight.

In 2008, 80.8% of West Virginia mothers with known prenatal care began their care during the first trimester of pregnancy, compared with 83.2% of mothers nationwide in 2006 (the latest data available). Among those with known prenatal care, 81.3% of white mothers began care during the first trimester; 69.9% of black mothers did so. (U.S. figures show that 88.1% of white mothers and 76.1% of black mothers had first trimester care.) No prenatal care was received by 0.6% of white mothers and by 1.9% of black mothers.

Over one-fourth (27.0%) of the births in 2008 were to mothers who smoked during their pregnancies, while 0.3% of births were to women who used alcohol. National figures from 2007 show that 10.4% of women giving birth reported smoking during pregnancy; 0.8% used alcohol in 2004 (the latest data available). Among the state mothers who reported smoking during pregnancy, 14.0% of the babies born were low birthweight, compared with 7.9% among non-smoking mothers. Over one-third (35.7%) of 2008 state births were delivered by Cesarean section, compared with a national rate of 32.2% in 2008. One or more complications of labor and/or delivery were reported for 32.2% of deliveries in the state in 2008.

The statistics presented in this publication refer to resident data unless otherwise indicated. A resident birth is determined by the residence of the mother when she gives birth, i.e., if she lives in West Virginia. An occurrence birth is determined by where the mother gives birth. If a mother lives in West Virginia but gives birth in Ohio, that is defined as a West Virginia resident birth and will be included as part of West Virginia's resident statistics; however, it is considered an Ohio occurrence.

Number and Rate of Resident Births (Compared to Deaths)
West Virginia, 1925-2008
Exhibit 4



Year	Births		Deaths	
	Number of Live Births	Rate per 1,000 Population	Number of Deaths	Rate per 1,000 Population
1925	45,240	28.4	17,132	10.8
1930	41,614	24.1	18,220	10.5
1935	41,775	22.5	18,342	9.9
1940	41,900	22.0	17,577	9.2
1945	38,446	22.5	16,464	9.6
1950	50,850	25.4	17,459	8.7
1955	44,199	23.5	16,712	8.9
1960	39,696	21.3	18,040	9.7
1965	31,958	17.9	19,121	10.7
1970	30,194	17.3	19,924	11.4
1975	27,960	15.5	19,479	10.8
1980	29,438	15.1	19,178	9.8
1985	24,108	12.5	19,425	10.0
1990	22,582	12.6	19,360	10.8
1995	21,158	11.6	20,128	11.0
2000	20,860	11.5	21,127	11.7
2005	20,834	11.5	20,773	11.4
2006	20,931	11.5	20,649	11.4
2007	22,017	12.2	21,067	11.6
2008	21,493	11.8	21,551	11.9

Summary Totals
West Virginia Resident Births, 2008
Table 4

Characteristic	Number	Percent	Characteristic	Number	Percent
Total	21,493	100.0%	<u>Mother's Marital Status</u>		
<u>Gender</u>			White or Caucasian		
Male	11,136	51.8%	Married	12,040	59.2%
Female	10,357	48.2%	Not Married	8,292	40.8%
Unknown	0		Unknown	20	
<u>Race of Mother</u>			Black or African American		
White or Caucasian	20,352	94.8%	Married	201	24.8%
Black or African American	812	3.8%	Not Married	611	75.2%
All Other Races	314	1.5%	Unknown	0	
Unknown	15		All Other Races		
<u>Attendant at Birth</u>			Married	221	70.8%
Physician	18,392	86.2%	Not Married	91	29.2%
Certified Nurse Midwife	2,880	13.5%	Unknown	2	
Certified Professional Midwife	13	0.1%	Unknown		
Lay Midwife	16	0.1%	Married	5	38.5%
EMT/Paramedic	5	0.0%	Not Married	8	61.5%
Other	23	0.1%	Unknown	2	
Unknown	164		<u>Method of Delivery</u>		
<u>Place of Birth</u>			Vaginal	13,636	64.1%
Hospital	21,365	99.5%	Vaginal after Previous Cesarean Section	0	0.0%
Home	63	0.3%	Cesarean Section	7,639	35.9%
Freestanding Birthing Center	24	0.1%	Primary	4,449	20.9%
En Route to Hospital	14	0.1%	Repeat	3,190	15.0%
Doctor's Office	1	0.0%	<u>One or More Reported Factors</u>		
Other Specified Address (Not Home)	1	0.0%	Medical Risk Factors	7,725	36.3%
Unknown	25		Complications of Labor and/or Delivery	6,864	32.2%
<u>Mother's Smoking Status</u>			Congenital Malformations	334	1.6%
Smoked During Pregnancy	5,793	27.0%	Abnormal Conditions of the Newborn	1,140	5.4%

Birthweight by Age of Mother
West Virginia Resident Births, 2008

Table 5

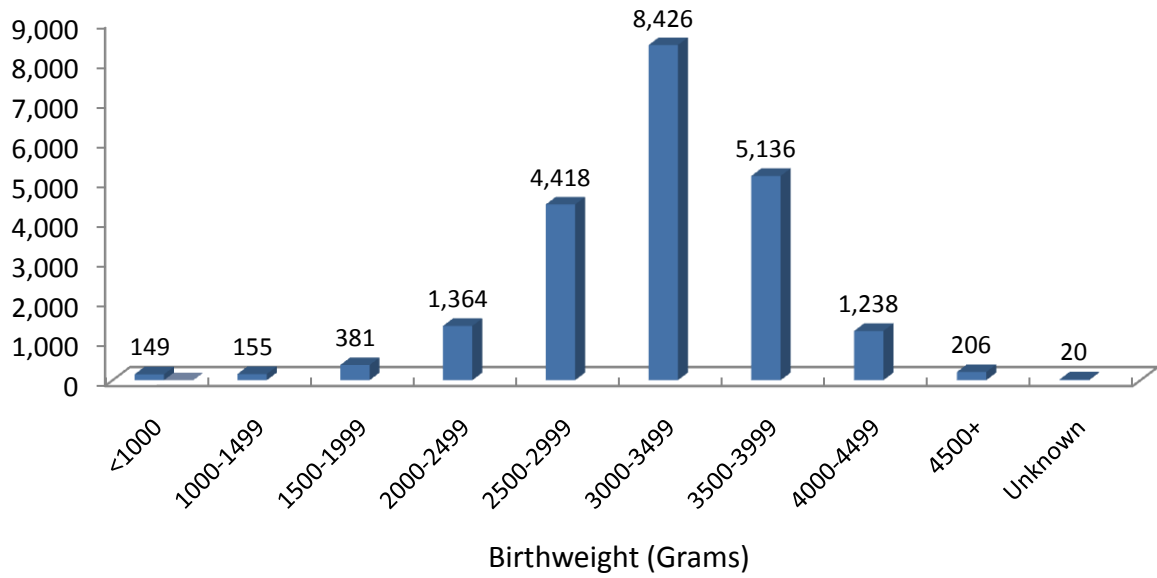
Birthweight	Age of Mother									Total
	10-14 Years	15-17 Years	18-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 and Over	
Less than 1,000 Grams (Less than 2.205 lbs.)	0	9	17	44	33	26	17	3	0	149
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	0	2	19	40	43	26	19	6	0	155
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	10	52	101	115	60	27	13	3	381
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	4	49	133	428	401	215	106	25	3	1,364
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	11	168	463	1,476	1,265	695	284	50	6	4,418
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	11	344	831	2,668	2,468	1,383	591	122	8	8,426
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	0	160	369	1,475	1,570	1,062	412	81	7	5,136
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	0	34	78	288	404	280	128	25	1	1,238
4,500 or more Grams (9.921 or more lbs.)	0	3	12	41	57	60	24	8	1	206
Unknown	0	0	2	6	7	3	1	1	0	20
Total	26	779	1,976	6,567	6,363	3,810	1,609	334	29	21,493

Selected Factors by Birthweight of Infant
West Virginia Resident Births, 2008

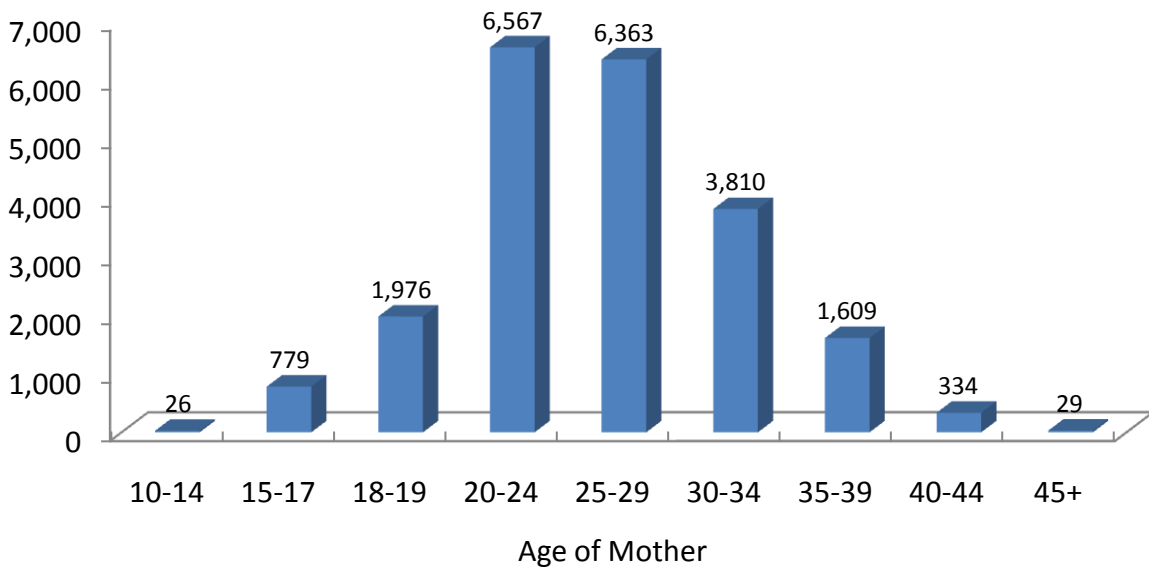
Table 6

Factor	Very Low Birthweight <1,500 Grams		Moderately Low Birthweight 1,500-2,499 Grams		Normal Birthweight 2,500+ Grams		Unknown Birthweight	Total
	Number	Percent	Number	Percent	Number	Percent	Number	Number
Total Births	304	1.4%	1,745	8.1%	19,424	90.5%	20	21,493
Maternal Age								
< 20 Years	47	1.7%	248	8.9%	2,484	89.4%	2	2,781
< 15 Years	0	0.0%	4	15.4%	22	84.6%	0	26
Maternal Race								
White or Caucasian	272	1.3%	1,635	8.0%	18,429	90.6%	16	20,352
Black or African American	26	3.2%	92	11.3%	694	85.5%	0	812
All Other Races	6	1.9%	18	5.8%	289	92.3%	1	314
Unknown	0	0.0%	0	0.0%	12	100.0%	3	15
Entry Into Prenatal Care								
First Trimester	234	1.4%	1,299	7.6%	15,465	91.0%	3	17,001
Second Trimester	44	1.3%	314	9.6%	2,922	89.1%	0	3,280
Third Trimester	3	0.5%	42	6.5%	598	93.0%	0	643
No Prenatal Care	12	9.5%	31	24.6%	83	65.9%	0	126
Unknown	11	2.6%	59	13.8%	356	83.6%	17	443
Gestational Age								
< 32 Weeks	269	78.0%	75	21.7%	1	0.3%	0	345
32-36 Weeks	30	1.4%	980	44.9%	1,171	53.7%	1	2,182
37-38 Weeks	3	0.0%	549	7.0%	7,248	92.9%	2	7,802
39+ Weeks	2	0.0%	140	1.3%	10,979	98.7%	2	11,123
Unknown	0	0.0%	1	3.8%	25	96.2%	15	41
Mother's Education Level								
8 Years or Less	5	1.2%	55	13.3%	355	85.5%	1	416
9-11 Years (No High School Diploma)	58	1.6%	357	10.1%	3,103	88.2%	2	3,520
12 Years (High School or GED)	124	1.6%	689	8.7%	7,143	89.8%	3	7,959
13-15 Years (Some College or Associates Degree)	56	1.2%	328	7.2%	4,201	91.6%	1	4,586
16+ Years (Bachelor's Degree or Higher)	56	1.2%	284	5.9%	4,442	92.9%	3	4,785
Unknown	5	2.3%	32	14.7%	180	82.9%	10	227
Mother's Marital Status								
Married	153	1.2%	870	7.0%	11,437	91.8%	7	12,467
Not Married	149	1.7%	874	9.7%	7,969	88.6%	10	9,002
Unknown	2	9.5%	1	4.8%	18	85.7%	3	24

Birthweight in Grams*
West Virginia Resident Births, 2008
Exhibit 5

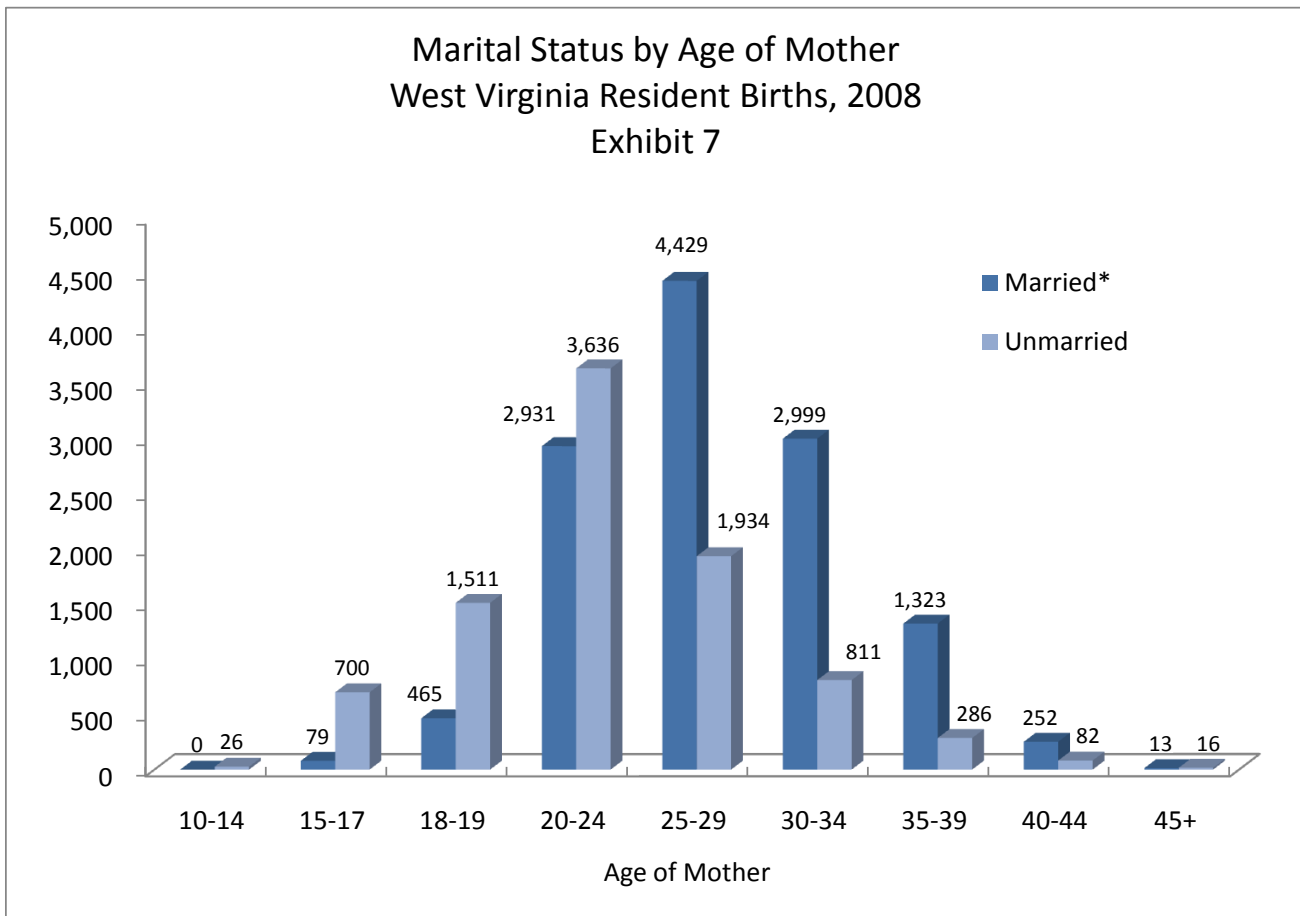


Age of Mother
West Virginia Resident Births, 2008
Exhibit 6

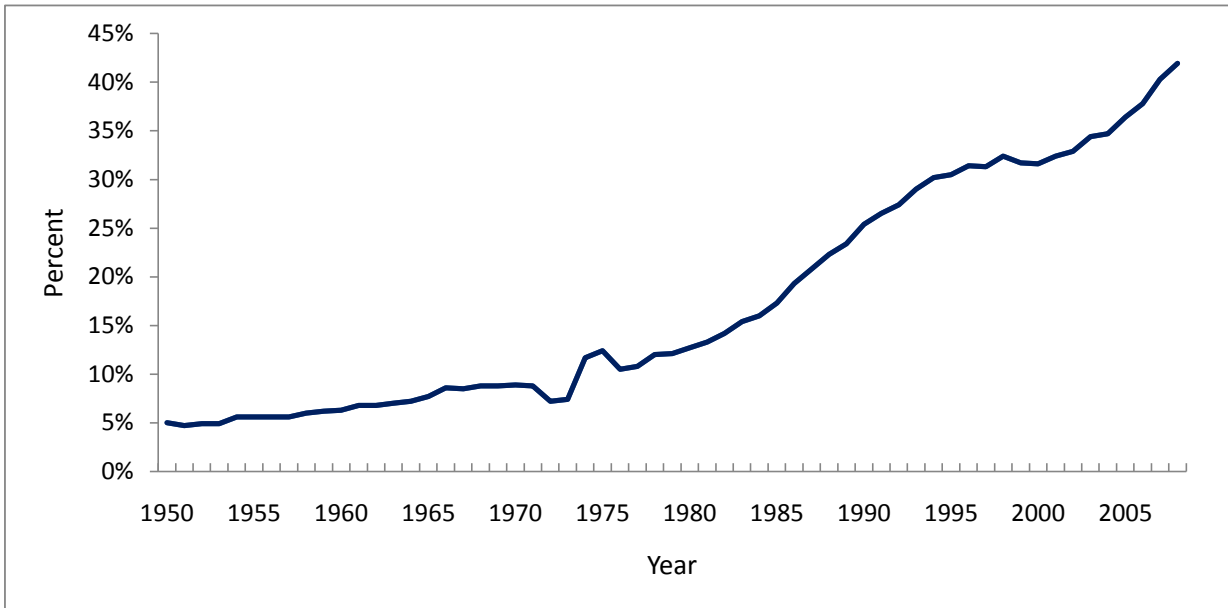


Marital Status by Age of Mother
West Virginia Resident Births, 2004-2008
Table 7

Age of Mother	2004		2005		2006		2007		2008	
	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married
10-14	0	28	0	22	0	19	0	31	0	26
15-17	91	621	105	602	83	656	74	655	79	700
18-19	493	1,256	462	1,281	488	1,356	452	1,525	465	1,511
20-24	3,561	3,006	3,318	3,133	3,194	3,178	3,123	3,612	2,931	3,636
25-29	4,705	1,447	4,591	1,567	4,578	1,712	4,679	1,854	4,429	1,934
30-34	3,305	564	3,217	661	3,056	631	3,207	785	2,999	811
35-39	1,229	253	1,290	246	1,358	284	1,325	299	1,323	286
40-44	259	67	252	77	245	67	278	91	252	82
45+	16	9	6	0	18	7	9	16	13	16
Unknown	1	0	4	0	1	0	1	1	0	0
WV Total	13,660	7,251	13,245	7,589	13,021	7,910	13,148	8,869	12,491	9,002

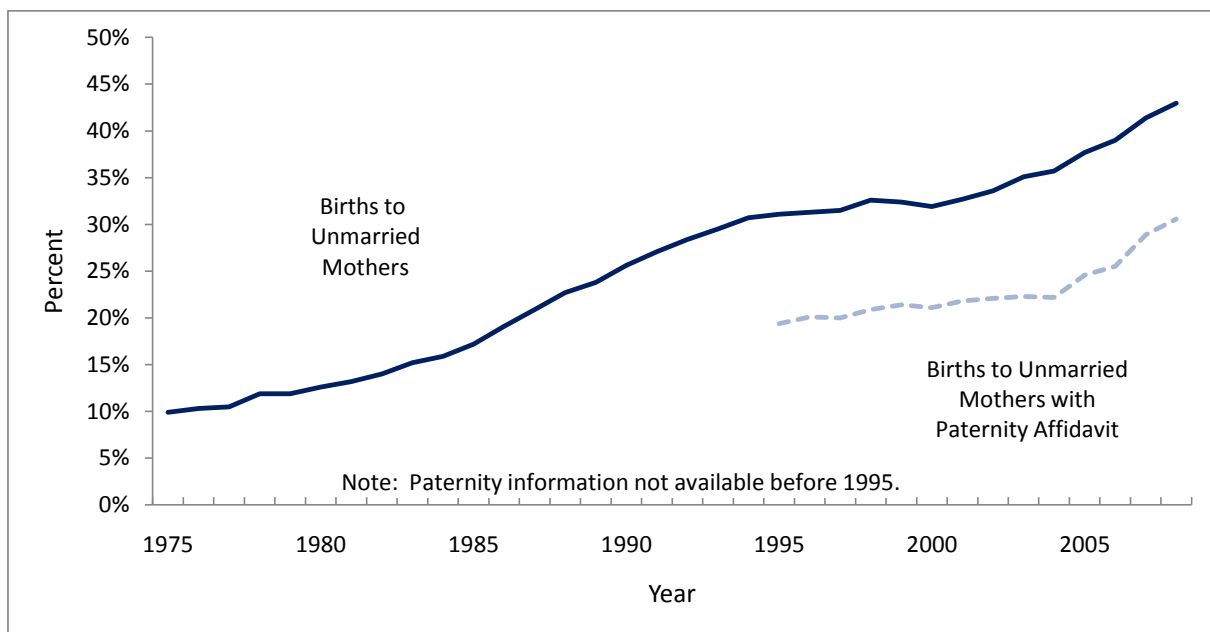


Percent of Births to Unmarried Mothers
West Virginia Residents, 1950-2008
Exhibit 8



Year	Resident Births to Unmarried Mothers	
	Number	Percent of Total Births
1950	2,519	5.0%
1955	2,472	5.6%
1960	2,485	6.3%
1965	2,464	7.7%
1970	2,699	8.9%
1975	3,471	12.4%
1980	3,743	12.7%
1985	4,159	17.3%
1990	5,739	25.4%
1995	6,462	30.5%
2000	6,595	31.6%
2005	7,589	36.4%
2006	7,910	37.8%
2007	8,869	40.3%
2008	9,002	41.9%

Percent of Births to Unmarried Mothers and
Unmarried Mothers with Paternity Affidavit
West Virginia Occurrence Births, 1975-2008
Exhibit 9



Year	Occurrence Births to Unmarried Mothers		Occurrence Births to Unmarried Mothers with Father Established Through Paternity Affidavit	
	Number	Percent of Total Births	Number	Percent of Total Births
1975	2,767	9.9%	N/A	N/A
1980	3,786	12.6%	N/A	N/A
1985	4,354	17.2%	N/A	N/A
1990	6,046	25.6%	N/A	N/A
1995	6,890	31.1%	4,300	19.4%
1996	6,820	31.3%	4,368	20.1%
1997	6,822	31.5%	4,340	20.0%
1998	7,035	32.6%	4,512	20.9%
1999	6,919	32.4%	4,578	21.4%
2000	6,904	31.9%	4,563	21.1%
2001	6,874	32.7%	4,573	21.8%
2002	7,110	33.6%	4,680	22.1%
2003	7,545	35.1%	4,796	22.3%
2004	7,616	35.7%	4,736	22.2%
2005	7,964	37.7%	5,199	24.6%
2006	8,236	39.0%	5,382	25.5%
2007	9,076	41.4%	6,326	28.9%
2008	9,205	43.0%	6,552	30.6%

Selected Factors by Race of Mother
West Virginia Resident Births, 2008

Table 8

Factor	White or Caucasion		Black or African American		All Other Races		Unknown	Total	
	Number	Percent	Number	Percent	Number	Percent		Number	Percent
Total Births	20,352		812		314		15	21,493	
<u>Low Birthweight</u> (< 2,500 Grams)	1,907	9.4%	118	14.5%	24	7.7%	0	2,049	9.5%
<u>Maternal Age</u>									
Mothers < 20 Years	2,617	12.9%	130	16.0%	33	10.5%	1	2,781	12.9%
Mothers < 15 Years	24	0.1%	2	0.2%	0	0.0%	0	26	0.1%
<u>Entry Into Prenatal Care</u>									
First Trimester	16,209	81.4%	563	69.9%	221	71.8%	8	17,001	80.8%
Second Trimester	3,018	15.1%	188	23.3%	73	23.7%	1	3,280	15.6%
Third Trimester	589	3.0%	40	5.0%	13	4.2%	1	643	3.1%
No Prenatal Care	109	0.5%	15	1.9%	1	0.3%	1	126	0.6%
Unknown	427		6		6		4	443	
<u>Gestational Age</u>									
< 32 Weeks	310	1.5%	28	3.4%	7	2.2%	0	345	1.6%
32-36 Weeks	2,078	10.2%	83	10.2%	21	6.7%	0	2,182	10.2%
37-38 Weeks	7,403	36.4%	282	34.7%	113	36.2%	4	7,802	36.4%
39+ Weeks	10,525	51.8%	419	51.6%	171	54.8%	8	11,123	51.9%
Unknown	36		0		2		3	41	
<u>Place of Birth</u>									
Hospital*	20,267	99.7%	811	99.9%	312	99.4%	13	21,403	99.7%
Non-Hospital	62	0.3%	1	0.1%	2	0.6%	0	65	0.3%
Unknown	23		0		0		2	25	

Prenatal Care by Mother's Race, Marital Status, and Education
West Virginia Resident Births, 2008

Table 9

Birth Characteristics	Time Prenatal Care Began								Total	
	First Trimester		Second Trimester		Third Trimester		No Care			Unknown
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Mother's Race: All Races	17,001	80.8%	3,280	15.6%	643	3.1%	126	0.6%	443	21,493
<u>Mother's Marital Status</u>										
Married	10,502	85.9%	1,408	11.5%	283	2.3%	39	0.3%	235	12,467
Not Married	6,488	73.7%	1,865	21.2%	358	4.1%	87	1.0%	204	9,002
Unknown	11	55.0%	7	35.0%	2	10.0%	0	0.0%	4	24
<u>Mother's Educational Level</u>										
8 Years or Less	253	62.9%	123	30.6%	20	5.0%	6	1.5%	14	416
9-11 Years (No High School Diploma)	2,462	71.8%	775	22.6%	157	4.6%	37	1.1%	89	3,520
12 Years (High School or GED)	6,214	80.1%	1,276	16.4%	219	2.8%	50	0.6%	200	7,959
13-15 Years (Some College or Associates Degree)	3,738	82.2%	647	14.2%	143	3.1%	18	0.4%	40	4,586
16+ Years (Bachelor's Degree or Higher)	4,220	89.2%	416	8.8%	88	1.9%	6	0.1%	55	4,785
Unknown	114	62.6%	43	23.6%	16	8.8%	9	4.9%	45	227
Mother's Race: White or Caucasian	16,209	81.4%	3,018	15.1%	589	3.0%	109	0.5%	427	20,352
<u>Mother's Marital Status</u>										
Married	10,182	86.2%	1,324	11.2%	267	2.3%	37	0.3%	230	12,040
Not Married	6,017	74.3%	1,687	20.8%	320	4.0%	72	0.9%	196	8,292
Unknown	10	52.6%	7	36.8%	2	10.5%	0	0.0%	1	20
<u>Mother's Educational Level</u>										
8 Years or Less	240	63.8%	116	30.9%	17	4.5%	3	0.8%	13	389
9-11 Years (No High School Diploma)	2,366	72.7%	718	22.1%	139	4.3%	32	1.0%	85	3,340
12 Years (High School or GED)	5,942	80.5%	1,191	16.1%	207	2.8%	45	0.6%	197	7,582
13-15 Years (Some College or Associates Degree)	3,539	82.8%	591	13.8%	131	3.1%	15	0.4%	38	4,314
16+ Years (Bachelor's Degree or Higher)	4,018	89.9%	365	8.2%	80	1.8%	6	0.1%	54	4,523
Unknown	104	63.4%	37	22.6%	15	9.1%	8	4.9%	40	204

Prenatal Care by Mother's Race, Marital Status, and Education
West Virginia Resident Births, 2008
Table 9 (Cont'd)

Birth Characteristics	Time Prenatal Care Began								Total	
	First Trimester		Second Trimester		Third Trimester		No Care			Unknown
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Mother's Race: Black or African American	563	69.9%	188	23.3%	40	5.0%	15	1.9%	6	812
<u>Mother's Marital Status</u>										
Married	156	77.6%	37	18.4%	7	3.5%	1	0.5%	0	201
Not Married	407	67.3%	151	25.0%	33	5.5%	14	2.3%	6	611
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
<u>Mother's Educational Level</u>										
8 Years or Less	9	56.3%	2	12.5%	3	18.8%	2	12.5%	0	16
9-11 Years (No High School Diploma)	77	57.5%	40	29.9%	13	9.7%	4	3.0%	3	137
12 Years (High School or GED)	213	71.7%	69	23.2%	10	3.4%	5	1.7%	1	298
13-15 Years (Some College or Associates Degree)	157	72.4%	47	21.7%	10	4.6%	3	1.4%	1	218
16+ Years (Bachelor's Degree or Higher)	100	77.5%	26	20.2%	3	2.3%	0	0.0%	0	129
Unknown	7	53.8%	4	30.8%	1	7.7%	1	7.7%	1	14
Mother's Race: All Other Races	221	71.8%	73	23.7%	13	4.2%	1	0.3%	6	314
<u>Mother's Marital Status</u>										
Married	161	74.2%	47	21.7%	8	3.7%	1	0.5%	4	221
Not Married	59	65.6%	26	28.9%	5	5.6%	0	0.0%	1	91
Unknown	1	100.0%	0	0.0%	0	0.0%	0	0.0%	1	2
<u>Mother's Educational Level</u>										
8 Years or Less	4	40.0%	5	50.0%	0	0.0%	1	10.0%	1	11
9-11 Years (No High School Diploma)	18	45.0%	17	42.5%	5	12.5%	0	0.0%	1	41
12 Years (High School or GED)	59	77.6%	16	21.1%	1	1.3%	0	0.0%	2	78
13-15 Years (Some College or Associates Degree)	40	80.0%	8	16.0%	2	4.0%	0	0.0%	1	51
16+ Years (Bachelor's Degree or Higher)	100	76.9%	25	19.2%	5	3.8%	0	0.0%	1	131
Unknown	0	0.0%	2	100.0%	0	0.0%	0	0.0%	0	2

Births by Method of Delivery
Number and Percent by Facility of Occurrence
West Virginia, 2008
Table 10

Hospital	Method of Delivery											Un- known
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Bluefield Regional Medical Center	728	515	70.7%	5	0.7%	208	28.6%	83	11.4%	125	17.2%	0
Braxton County Memorial Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Women & Children's Hospital	3,158	1,822	57.7%	3	0.1%	1,333	42.2%	774	24.5%	559	17.7%	0
Cabell-Huntington Hospital	2,579	1,606	62.3%	7	0.3%	966	37.5%	548	21.2%	418	16.2%	0
Camden-Clark Memorial Hospital	1,352	894	66.1%	5	0.4%	453	33.5%	255	18.9%	198	14.6%	0
City Hospital	960	680	70.8%	0	0.0%	280	29.2%	130	13.5%	150	15.6%	0
Davis Memorial Hospital	393	254	64.6%	1	0.3%	138	35.1%	87	22.1%	51	13.0%	0
Fairmont General Hospital	366	254	69.4%	5	1.4%	107	29.2%	69	18.9%	38	10.4%	0
Grafton City Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Grant Memorial Hospital	295	175	59.5%	1	0.3%	118	40.1%	58	19.7%	60	20.4%	1
Greenbrier Valley Hospital	577	446	77.3%	17	2.9%	114	19.8%	58	10.1%	56	9.7%	0
Hampshire Memorial Hospital	1	0	0.0%	0	0.0%	1	100.0%	0	0.0%	1	100.0%	0
Jefferson Memorial Hospital	268	204	76.1%	1	0.4%	63	23.5%	28	10.4%	35	13.1%	0
Logan Regional Medical Center	354	208	58.8%	1	0.3%	145	41.0%	76	21.5%	69	19.5%	0
Monongalia General Hospital	756	545	73.4%	1	0.1%	197	26.5%	195	26.2%	2	0.3%	13
Ohio Valley Medical Center	403	267	68.1%	1	0.3%	124	31.6%	77	19.6%	47	12.0%	11
Pleasant Valley Hospital	215	101	47.0%	0	0.0%	114	53.0%	63	29.3%	51	23.7%	0
Preston Memorial Hospital	150	111	74.0%	0	0.0%	39	26.0%	21	14.0%	18	12.0%	0
Princeton Community Hospital	628	375	59.9%	0	0.0%	251	40.1%	164	26.2%	87	13.9%	2
Raleigh General Hospital	1,561	1,096	70.8%	4	0.3%	449	29.0%	250	16.1%	199	12.8%	12
Reynolds Memorial Hospital	160	109	68.1%	0	0.0%	51	31.9%	23	14.4%	28	17.5%	0
Roane General Hospital	96	58	61.1%	0	0.0%	37	38.9%	13	13.7%	24	25.3%	1
St. Joseph's Hospital (Buckhannon)	313	250	82.5%	6	2.0%	47	15.5%	32	10.6%	15	5.0%	10
St. Joseph's Hospital (Parkersburg)	290	190	66.0%	2	0.7%	96	33.3%	61	21.2%	35	12.2%	2
St. Mary's Medical Center	441	315	71.4%	2	0.5%	124	28.1%	77	17.5%	47	10.7%	0
Stonewall Jackson Memorial Hospital	271	166	64.6%	5	1.9%	86	33.5%	47	18.3%	39	15.2%	14
Summers County Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Summersville Memorial Hospital	309	216	69.9%	4	1.3%	89	28.8%	54	17.5%	35	11.3%	0
Thomas Memorial Hospital	918	428	46.6%	0	0.0%	490	53.4%	276	30.1%	214	23.3%	0
United Hospital Center	932	570	61.2%	10	1.1%	352	37.8%	198	21.2%	154	16.5%	0
WVU Hospitals, Inc.	1,395	804	57.8%	39	2.8%	548	39.4%	386	27.7%	162	11.6%	4
Webster County Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	377	214	56.8%	0	0.0%	163	43.2%	101	26.8%	62	16.4%	0
Welch Community Hospital	66	42	63.6%	1	1.5%	23	34.8%	14	21.2%	9	13.6%	0
Wheeling Hospital	936	602	64.3%	4	0.4%	330	35.3%	207	22.1%	123	13.1%	0
Williamson Memorial Hospital	80	17	21.3%	0	0.0%	63	78.8%	32	40.0%	31	38.8%	0
WomenCare, Inc.	24	24	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
----- Non-Hospital	86	81	94.2%	5	5.8%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	21,443	13,644	63.8%	130	0.6%	7,599	35.6%	4,457	20.9%	3,142	14.7%	70

Full-Term Births (39 or More Weeks Gestation) by Method of Delivery
 Number and Percent by Facility of Occurrence
 West Virginia, 2008
 Table 11

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		Un- known
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Bluefield Regional Medical Center	297	220	74.1%	2	0.7%	75	25.3%	29	9.8%	46	15.5%	0
Braxton County Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Women & Children's Hospital	1,456	912	62.6%	3	0.2%	541	37.2%	312	21.4%	229	15.7%	0
Cabell-Huntington Hospital	1,047	702	67.0%	5	0.5%	340	32.5%	177	16.9%	163	15.6%	0
Camden-Clark Memorial Hospital	339	234	69.0%	2	0.6%	103	30.4%	63	18.6%	40	11.8%	0
City Hospital	586	428	73.0%	0	0.0%	158	27.0%	82	14.0%	76	13.0%	0
Davis Memorial Hospital	243	170	70.0%	0	0.0%	73	30.0%	50	20.6%	23	9.5%	0
Fairmont General Hospital	251	165	65.7%	3	1.2%	83	33.1%	53	21.1%	30	12.0%	0
Grafton City Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Grant Memorial Hospital	232	145	62.8%	0	0.0%	86	37.2%	40	17.3%	46	19.9%	1
Greenbrier Valley Hospital	347	285	82.1%	5	1.4%	57	16.4%	31	8.9%	26	7.5%	0
Hampshire Memorial Hospital	1	0	0.0%	0	0.0%	1	100.0%	0	0.0%	1	100.0%	0
Jefferson Memorial Hospital	178	149	83.7%	1	0.6%	28	15.7%	20	11.2%	8	4.5%	0
Logan Regional Medical Center	184	113	61.4%	0	0.0%	71	38.6%	40	21.7%	31	16.8%	0
Monongalia General Hospital	533	390	74.4%	1	0.2%	133	25.4%	132	25.2%	1	0.2%	9
Ohio Valley Medical Center	172	118	70.7%	0	0.0%	49	29.3%	37	22.2%	12	7.2%	5
Pleasant Valley Hospital	111	60	54.1%	0	0.0%	51	45.9%	39	35.1%	12	10.8%	0
Preston Memorial Hospital	110	85	77.3%	0	0.0%	25	22.7%	13	11.8%	12	10.9%	0
Princeton Community Hospital	204	138	67.6%	0	0.0%	66	32.4%	48	23.5%	18	8.8%	0
Raleigh General Hospital	985	724	74.2%	1	0.1%	251	25.7%	145	14.9%	106	10.9%	9
Reynolds Memorial Hospital	70	50	71.4%	0	0.0%	20	28.6%	11	15.7%	9	12.9%	0
Roane General Hospital	52	35	68.6%	0	0.0%	16	31.4%	6	11.8%	10	19.6%	1
St. Joseph's Hospital (Buckhannon)	264	215	84.0%	5	2.0%	36	14.1%	24	9.4%	12	4.7%	8
St. Joseph's Hospital (Parkersburg)	158	105	66.9%	1	0.6%	51	32.5%	36	22.9%	15	9.6%	1
St. Mary's Medical Center	219	156	71.2%	2	0.9%	61	27.9%	41	18.7%	20	9.1%	0
Stonewall Jackson Memorial Hospital	150	90	64.3%	1	0.7%	49	35.0%	29	20.7%	20	14.3%	10
Summers County Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Summersville Memorial Hospital	173	125	72.3%	2	1.2%	46	26.6%	30	17.3%	16	9.2%	0
Thomas Memorial Hospital	366	175	47.8%	0	0.0%	191	52.2%	109	29.8%	82	22.4%	0
United Hospital Center	587	372	63.4%	6	1.0%	209	35.6%	114	19.4%	95	16.2%	0
WVU Hospitals, Inc.	690	453	65.8%	24	3.5%	211	30.7%	141	20.5%	70	10.2%	2
Webster County Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	222	139	62.6%	0	0.0%	83	37.4%	56	25.2%	27	12.2%	0
Welch Community Hospital	38	24	63.2%	0	0.0%	14	36.8%	9	23.7%	5	13.2%	0
Wheeling Hospital	400	259	64.8%	2	0.5%	139	34.8%	97	24.3%	42	10.5%	0
Williamson Memorial Hospital	45	11	24.4%	0	0.0%	34	75.6%	22	48.9%	12	26.7%	0
WomenCare, Inc.	20	20	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
----- Non-Hospital	57	52	91.2%	5	8.8%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	10,789	7,321	68.1%	71	0.7%	3,351	31.2%	2,036	19.0%	1,315	12.2%	46

Labor-Induced Births by Method of Delivery
 Number and Percent by Facility of Occurrence
 West Virginia, 2008
 Table 12

Hospital	Method of Delivery											Un- known
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Bluefield Regional Medical Center	337	284	84.3%	4	1.2%	49	14.5%	45	13.4%	4	1.2%	0
Braxton County Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Women & Children's Hospital	1,169	871	74.5%	1	0.1%	297	25.4%	292	25.0%	5	0.4%	0
Cabell-Huntington Hospital	1,508	1,059	70.2%	6	0.4%	443	29.4%	303	20.1%	140	9.3%	0
Camden-Clark Memorial Hospital	407	345	84.8%	2	0.5%	60	14.7%	59	14.5%	1	0.2%	0
City Hospital	118	96	81.4%	0	0.0%	22	18.6%	22	18.6%	0	0.0%	0
Davis Memorial Hospital	98	70	71.4%	0	0.0%	28	28.6%	28	28.6%	0	0.0%	0
Fairmont General Hospital	140	114	81.4%	2	1.4%	24	17.1%	24	17.1%	0	0.0%	0
Grafton City Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Grant Memorial Hospital	112	88	79.3%	0	0.0%	23	20.7%	22	19.8%	1	0.9%	1
Greenbrier Valley Hospital	244	225	92.2%	5	2.0%	14	5.7%	14	5.7%	0	0.0%	0
Hampshire Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Jefferson Memorial Hospital	65	58	89.2%	0	0.0%	7	10.8%	7	10.8%	0	0.0%	0
Logan Regional Medical Center	93	71	76.3%	1	1.1%	21	22.6%	20	21.5%	1	1.1%	0
Monongalia General Hospital	46	42	95.5%	0	0.0%	2	4.5%	2	4.5%	0	0.0%	2
Ohio Valley Medical Center	197	157	80.5%	0	0.0%	38	19.5%	37	19.0%	1	0.5%	2
Pleasant Valley Hospital	65	43	66.2%	0	0.0%	22	33.8%	20	30.8%	2	3.1%	0
Preston Memorial Hospital	43	37	86.0%	0	0.0%	6	14.0%	6	14.0%	0	0.0%	0
Princeton Community Hospital	322	240	75.0%	0	0.0%	80	25.0%	75	23.4%	5	1.6%	2
Raleigh General Hospital	381	315	84.0%	2	0.5%	58	15.5%	56	14.9%	2	0.5%	6
Reynolds Memorial Hospital	53	43	81.1%	0	0.0%	10	18.9%	9	17.0%	1	1.9%	0
Roane General Hospital	19	14	77.8%	0	0.0%	4	22.2%	4	22.2%	0	0.0%	1
St. Joseph's Hospital (Buckhannon)	47	44	93.6%	0	0.0%	3	6.4%	3	6.4%	0	0.0%	0
St. Joseph's Hospital (Parkersburg)	113	81	71.7%	1	0.9%	31	27.4%	29	25.7%	2	1.8%	0
St. Mary's Medical Center	208	176	84.6%	1	0.5%	31	14.9%	30	14.4%	1	0.5%	0
Stonewall Jackson Memorial Hospital	73	48	71.6%	2	3.0%	17	25.4%	15	22.4%	2	3.0%	6
Summers County Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Summersville Memorial Hospital	138	115	83.3%	3	2.2%	20	14.5%	19	13.8%	1	0.7%	0
Thomas Memorial Hospital	344	255	74.1%	0	0.0%	89	25.9%	88	25.6%	1	0.3%	0
United Hospital Center	452	335	74.1%	1	0.2%	116	25.7%	109	24.1%	7	1.5%	0
WVU Hospitals, Inc.	285	197	69.1%	8	2.8%	80	28.1%	78	27.4%	2	0.7%	0
Webster County Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	115	87	75.7%	0	0.0%	28	24.3%	28	24.3%	0	0.0%	0
Welch Community Hospital	4	1	25.0%	0	0.0%	3	75.0%	3	75.0%	0	0.0%	0
Wheeling Hospital	494	383	77.5%	2	0.4%	109	22.1%	106	21.5%	3	0.6%	0
Williamson Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
WomenCare, Inc.	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
---- Non-Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	7,690	5,894	76.8%	41	0.5%	1,735	22.6%	1,553	20.2%	182	2.4%	20

Mother's Marital Status and Method of Paternity Establishment
 Unmarried Mothers by Hospital of Birth
 West Virginia Occurrences, 2008

Table 13

Hospital	Total Births	Mother's Marital Status			Mother Unmarried with Paternity Established			Mother Unmarried with Father Unknown
		Married (or Unknown)	Un-married	Percent Un-married	Paternity Affidavit Accepted	Percent of Unmarried Births	Father Established by Other Methods	
Bluefield Regional Medical Center	728	352	376	51.6%	229	60.9%	45	102
Braxton County Memorial Hospital	2	0	2	100.0%	1	50.0%	1	0
C.A.M.C. - Women & Children's Hospital	3,158	1,887	1,271	40.2%	887	69.8%	137	247
Cabell-Huntington Hospital	2,579	1,466	1,113	43.2%	760	68.3%	74	279
Camden-Clark Memorial Hospital	1,352	773	579	42.8%	423	73.1%	41	115
City Hospital	960	419	541	56.4%	405	74.9%	27	109
Davis Memorial Hospital	393	218	175	44.5%	131	74.9%	16	28
Fairmont General Hospital	366	180	186	50.8%	147	79.0%	9	30
Grafton City Hospital	1	1	0	0.0%	0	0.0%	0	0
Grant Memorial Hospital	295	138	157	53.2%	126	80.3%	3	28
Greenbrier Valley Hospital	577	322	255	44.2%	175	68.6%	17	63
Hampshire Memorial Hospital	1	0	1	100.0%	1	100.0%	0	0
Jefferson Memorial Hospital	268	121	147	54.9%	113	76.9%	4	30
Logan Regional Medical Center	354	177	177	50.0%	111	62.7%	25	41
Monongalia General Hospital	756	511	245	32.4%	172	70.2%	20	53
Ohio Valley Medical Center	403	221	182	45.2%	138	75.8%	16	28
Pleasant Valley Hospital	215	102	113	52.6%	76	67.3%	12	25
Preston Memorial Hospital	150	84	66	44.0%	48	72.7%	7	11
Princeton Community Hospital	628	387	241	38.4%	167	69.3%	22	52
Raleigh General Hospital	1,561	937	624	40.0%	417	66.8%	63	144
Reynolds Memorial Hospital	160	67	93	58.1%	74	79.6%	9	10
Roane General Hospital	96	56	40	41.7%	29	72.5%	6	5
St. Joseph's Hospital (Buckhannon)	313	189	124	39.6%	91	73.4%	13	20
St. Joseph's Hospital (Parkersburg)	290	207	83	28.6%	61	73.5%	6	16
St. Mary's Medical Center	441	318	123	27.9%	90	73.2%	10	23
Stonewall Jackson Memorial Hospital	271	151	120	44.3%	86	71.7%	11	23
Summers County Hospital	1	1	0	0.0%	0	0.0%	0	0
Summersville Memorial Hospital	309	155	154	49.8%	98	63.6%	21	35
Thomas Memorial Hospital	918	496	422	46.0%	330	78.2%	38	54
United Hospital Center	932	542	390	41.8%	318	81.5%	26	46
WVU Hospitals, Inc.	1,395	906	489	35.1%	323	66.1%	42	124
Webster County Memorial Hospital	1	1	0	0.0%	0	0.0%	0	0
Weirton Medical Center	377	215	162	43.0%	114	70.4%	12	36
Welch Community Hospital	66	29	37	56.1%	20	54.1%	12	5
Wheeling Hospital	936	502	434	46.4%	343	79.0%	17	74
Williamson Memorial Hospital	80	38	42	52.5%	27	64.3%	2	13
WomenCare, Inc.	24	17	7	29.2%	5	71.4%	1	1
----- Non-Hospital	86	52	34	39.5%	16	47.1%	7	11
WV Total Occurrences	21,443	12,238	9,205	42.9%	6,552	71.2%	772	1,881

Out-of-State Occurrences
West Virginia Resident Births, 2004-2008

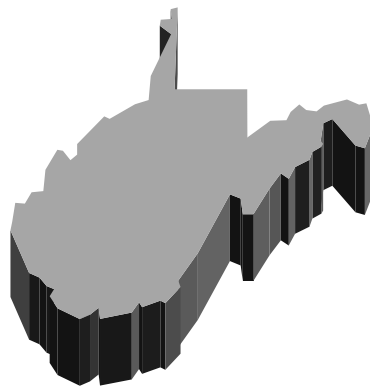
Table 14

State	2004 Births	2005 Births	2006 Births	2007 Births	2008 Births
Virginia	995	1,035	1,039	1,182	1,135
Maryland	624	596	569	678	659
Ohio	372	376	351	403	387
Kentucky	182	215	190	160	199
Pennsylvania	148	123	134	106	119
North Carolina	5	5	7	4	2
District of Columbia	3	2	5	2	6
Florida	3	4	6	2	2
New Jersey	2	1	0	2	5
South Carolina	1	0	5	3	1
Tennessee	3	0	0	2	5
All Other States	43	41	33	31	19
Total	2,381	2,398	2,339	2,575	2,539

Out-of-State Resident Births Born in West Virginia
West Virginia Occurrence Births, 2004-2008

Table 15

State	2004 Births	2005 Births	2006 Births	2007 Births	2008 Births
Ohio	1,725	1,670	1,544	1,606	1,600
Virginia	301	339	352	277	317
Kentucky	341	296	253	266	225
Pennsylvania	291	284	278	234	249
Maryland	79	83	78	62	58
North Carolina	7	8	9	7	8
Florida	3	8	4	5	4
New York	4	3	4	1	4
South Carolina	3	2	5	0	2
Tennessee	2	3	2	3	1
All Other States	20	18	16	14	21
Total	2,776	2,714	2,545	2,475	2,489



West Virginia Vital Statistics
Deaths

Death Summary

The number of West Virginia resident deaths increased by 484, from 21,067 in 2007 to 21,551 in 2008. The state's crude death rate rose from 2007 at 11.6 per 1,000 population to 11.9 in 2008. The average age at death for West Virginians was 72.5 (69.0 for men and 75.9 for women), slightly higher than the 2007 average of 72.0 (68.4 for men and 75.6 for women). One hundred and fifty-one West Virginia residents who died in 2008 were age 100 or older. The oldest man and woman were 109 years old at the time of death.

Heart disease, cancer, and chronic lower respiratory diseases, the three leading causes of death, accounted for 53.6% of West Virginia resident deaths in 2008. Compared with 2007, the number of state deaths due to heart disease increased by 75 or 1.4% while cancer deaths decreased 1.0%. Chronic lower respiratory disease, the third leading cause, increased 19.3%; stroke mortality, now the fifth leading cause, decreased 5.8%. Diabetes mellitus deaths decreased 7.4%, while the number of reported deaths due to pneumonia and influenza increased 9.5%. Dementia, now the sixth leading cause of death in the Mountain State, continued to increase at 29.2%, while Alzheimer's disease increased 18.9%. Accidental deaths were the fourth leading cause of death for the second year in a row. The number of accidental deaths dropped by 47 (3.8%), from 1,242 in 2007 to 1,195 in 2008. Motor vehicle accident deaths decreased by 45 or 10.6%, from 425 in 2007 to 380 in 2008. Accidental poisoning deaths have been on the rise in West Virginia for five of the previous six years, increasing by 37 (9.1%) from 407 in 2007 to 444 in 2008. Accidental poisoning accounted for over one-fourth (27.2%) of all deaths in the age group of 25-34. The vast majority of these deaths were due to both legal and illicit ingestion of prescription pharmaceuticals.

Accidents were the leading cause of death for ages one through 44 years. Motor vehicle accident fatalities remained the single leading cause of death for young adults aged 15 through 24, accounting for 35.6% of all deaths for this age group in 2008. West Virginia's 2008 motor vehicle fatalities included five children under five years of age, one fewer than 2007.

Suicides decreased by 28, from 312 to 284 between 2007 and 2008. Male suicides decreased by 38 or 14.6%, from 261 in 2007 to 223 in 2008; the number of female suicides (61) increased by 10 or 19.6% from 2007. Two-thirds (66.9%) of all suicide deaths were firearm related — 72.6% of male suicides and 45.9% of female suicides. The average age of death for a suicide victim in 2008 was 46.9 years. While suicide was the 12th leading cause of death overall, it was the second leading cause of death for ages 15-34. The number of suicides among persons aged 19 and under was nine in 2008, the same as in 2007.

Homicides decreased by 17, from 94 in 2007 to 77 in 2008. Forty-nine (49) of the homicide victims were male, 28 were female. The average age at death for a homicide victim in 2008 was 39.2 years. There were seven homicide victims under the age of five in 2008, compared with 11 in 2007. Nearly one-half (49.4%) of 2008 homicide deaths were due to firearms.

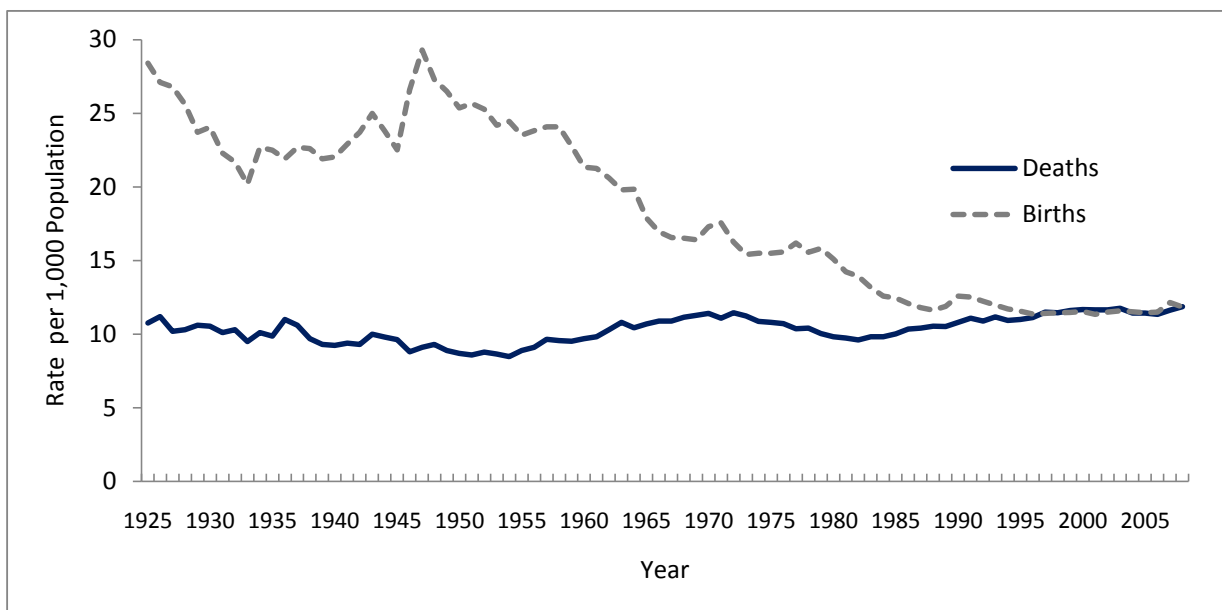
The statistics presented in this publication refer to resident data unless otherwise indicated. A resident death is determined by where the decedent last lived at the time of death. An occurrence death is determined by where the decedent died. If a person lived in West Virginia but died in Kentucky, that is defined as a West Virginia resident death and will be included as part of West Virginia's resident statistics; however, it is considered a Kentucky occurrence.

Years of Potential Life Lost (YPLL)

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

The YPLL from all causes decreased 2.1%, from 173,739 YPLL in 2007 to 170,033 in 2008. The four leading causes of YPLL in 2008 were malignant neoplasms (36,294 YPLL), diseases of the heart (24,382 YPLL), non-motor vehicle accidents (20,574 YPLL), and motor vehicle accidents (12,129 YPLL). Combined, these four causes accounted for over half (54.9%) of all years of potential life lost in 2008. In comparison to 2007, YPLL attributable to malignant neoplasms increased from 20.6% to 21.3%. YPLL due to diseases of the heart decreased from 14.6% to 14.3% of the total, and YPLL due to non-motor vehicle accidents increased from 11.9% to 12.1%. The percentage of total YPLL due to motor vehicle crashes decreased, from 8.4% to 7.1%.

Number and Rate of Resident Deaths (Compared to Births)
West Virginia, 1925-2008
Exhibit 10



Year	Deaths		Births	
	Number of Deaths	Rate per 1,000 Population	Number of Live Births	Rate per 1,000 Population
1925	17,132	10.8	45,240	28.4
1930	18,220	10.5	41,614	24.1
1935	18,342	9.9	41,775	22.5
1940	17,577	9.2	41,900	22.0
1945	16,464	9.6	38,446	22.5
1950	17,459	8.7	50,850	25.4
1955	16,712	8.9	44,199	23.5
1960	18,040	9.7	39,696	21.3
1965	19,121	10.7	31,958	17.9
1970	19,924	11.4	30,194	17.3
1975	19,479	10.8	27,960	15.5
1980	19,178	9.8	29,438	15.1
1985	19,425	10.0	24,108	12.5
1990	19,360	10.8	22,582	12.6
1995	20,128	11.0	21,158	11.6
2000	21,127	11.7	20,860	11.5
2005	20,773	11.4	20,834	11.5
2006	20,649	11.4	20,931	11.5
2007	21,067	11.6	22,017	12.2
2008	21,551	11.9	21,493	11.8

Summary Totals
West Virginia Resident Deaths, 2008
Table 16

Characteristic	Number	Percent	Characteristic	Number	Percent
<u>Total</u>			<u>Place Death Occurred</u>		
Residence	21,551	100.0%	Hospital	9,934	46.1%
Occurrence	21,221		Home	5,503	25.5%
			Licensed Personal Care or Nursing Home	3,212	14.9%
<u>Gender</u>			Unlicensed Personal Care or Nursing Home	395	1.8%
Male	10,670	49.5%	Clinic or Center	29	0.1%
Female	10,881	50.5%	En Route to Hospital	3	0.01%
			Other and Unknown	2,475	11.5%
<u>Race</u>			<u>Disposition of Death</u>		
White or Caucasian*	20,864	96.8%	Burial	15,381	74.5%
Black or African American	652	3.0%	Cremation	4,045	19.6%
All Other Races	35	0.2%	Removal from State	292	1.4%
			Donation	264	1.3%
<u>Age at Death</u>			Other	665	3.2%
Less than One Year of Age	166	0.8%	Unknown	904	
One to Four Years	37	0.2%			
Five to Fourteen Years	33	0.2%	<u>Leading Causes of Death</u>		
Fifteen to Nineteen Years	80	0.4%	Diseases of the Heart	5,309	24.6%
Twenty to Twenty-Four Years	139	0.6%	Malignant Neoplasms	4,642	21.5%
Twenty-Five to Thirty-Four Years	356	1.7%	Chronic Lower Respiratory Disease	1,603	7.4%
Thirty-Five to Forty-Four Years	683	3.2%	Accidents, All Forms	1,195	5.5%
Forty-Five to Fifty-Four Years	1,536	7.1%	Cerebrovascular Disease	1,047	4.9%
Fifty-Five to Sixty-Four Years	2,793	13.0%	Dementia	752	3.5%
Sixty-Five to Seventy-Four Years	3,869	18.0%	Diabetes Mellitus	742	3.4%
Seventy-Five to Eighty-Four Years	6,091	28.3%	Alzheimer's Disease	662	3.1%
Eighty-Five Years and Older	5,768	26.8%	Nephritis, Nephrotic Syndrome, and Nephrosis	500	2.3%
			Influenza and Pneumonia	405	1.9%
			All Other Causes (Residual)	5,099	23.7%

Out-of-State Occurrences
West Virginia Resident Deaths, 2004-2008
Table 17

State of Occurrence	2004 Deaths	2005 Deaths	2006 Deaths	2007 Deaths	2008 Deaths
Ohio	470	516	547	562	574
Virginia	516	509	507	570	570
Maryland	267	291	255	292	268
Pennsylvania	210	190	189	191	178
Kentucky	139	167	161	148	140
North Carolina	48	51	50	55	45
Florida	57	47	37	45	42
Tennessee	20	15	25	20	30
District of Columbia	9	20	13	13	17
South Carolina	12	11	11	12	8
All Other States/Countries	89	66	64	62	61
Total	1,837	1,883	1,859	1,970	1,933

Deaths to Out-of-State Residents
West Virginia Occurrence Deaths, 2004-2008
Table 18

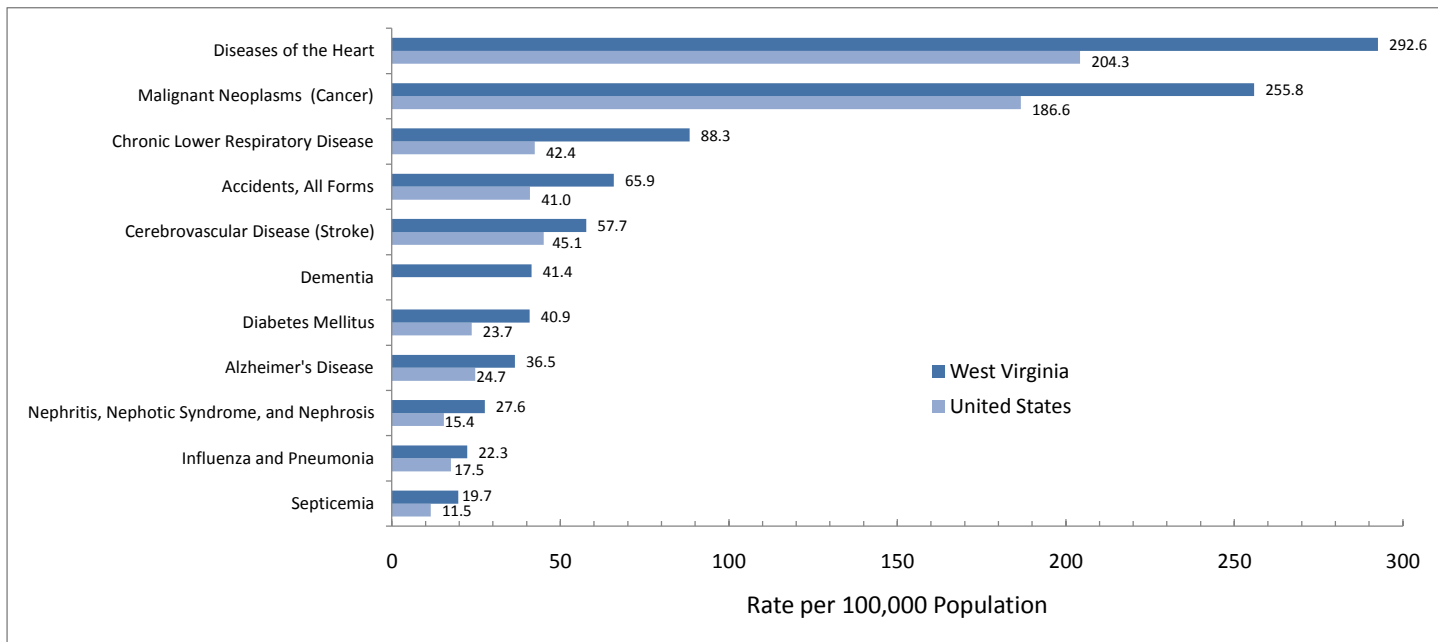
State of Residence	2004 Deaths	2005 Deaths	2006 Deaths	2007 Deaths	2008 Deaths
Ohio	761	790	751	752	777
Virginia	235	217	195	204	188
Pennsylvania	197	200	204	175	198
Kentucky	149	166	177	170	187
Maryland	136	140	136	143	134
Florida	37	26	23	20	29
North Carolina	21	24	14	20	10
South Carolina	5	7	7	10	6
Michigan	8	2	6	8	9
New York	5	3	6	9	9
All Other States/Countries	65	58	62	59	56
Total	1,619	1,633	1,581	1,570	1,603

West Virginia Bureau for Public Health
Health Statistics Center, 2010

2008 West Virginia and 2007 United States Resident Deaths

Leading Causes of Death

Exhibit 11



42

Leading Cause of Death	West Virginia			United States (2007)*		
	Number of Deaths	Rate per 100,000 Population	Percent of Total	Number of Deaths	Rate per 100,000 Population	Percent of Total
Diseases of the Heart	5,309	292.6	24.6%	616,067	204.3	25.4%
Malignant Neoplasms (Cancer)	4,642	255.8	21.5%	562,875	186.6	23.2%
Chronic Lower Respiratory Disease	1,603	88.3	7.4%	127,924	42.4	5.3%
Accidents, All Forms	1,195	65.9	5.5%	123,706	41.0	5.1%
Cerebrovascular Disease (Stroke)	1,047	57.7	4.9%	135,952	45.1	5.6%
Dementia	752	41.4	3.5%	Not Available		
Diabetes Mellitus	742	40.9	3.4%	71,382	23.7	2.9%
Alzheimer's Disease	662	36.5	3.1%	74,632	24.7	3.1%
Nephritis, Nephrotic Syndrome, and Nephrosis	500	27.6	2.3%	46,448	15.4	1.9%
Influenza and Pneumonia	405	22.3	1.9%	52,717	17.5	2.2%
Septicemia	358	19.7	1.7%	34,828	11.5	1.4%
Total for Leading Causes	17,215	948.8	79.9%	1,846,531	612.2	76.2%
All Other Causes (Residual)	4,336	239.0	20.1%	577,181	191.4	23.8%
Total for All Causes	21,551	1,187.7	100.0%	2,423,712	803.6	100.0%

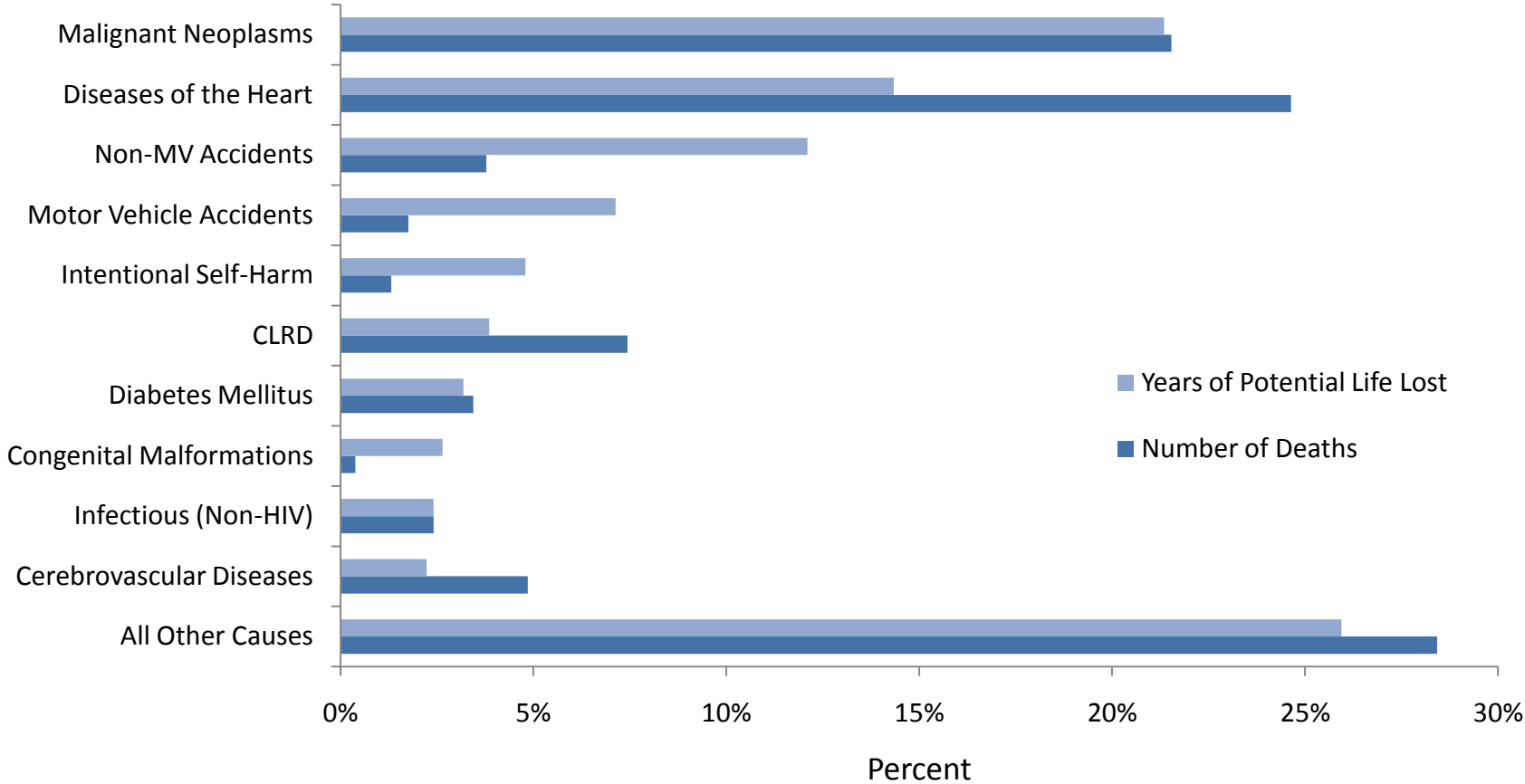
* National Vital Statistics Reports. Deaths: Final Data for 2007. National Center for Health Statistics. Internet Address - http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf.

Number and Percent Distribution of Leading Causes of Death
By Years of Potential Life Lost Before Age 75 and Actual Deaths
West Virginia Residents 2007 and 2008

Table 19

Cause of Death	Years of Potential Life Lost Before Age 75				Actual Deaths			
	2008		2007		2008		2007	
	Number	Percent	Number	Percent	Number	Percent	Number	Number
All Causes	170,033	100.0%	173,739	100.0%	21,551	100.0%	21,067	100.0%
Malignant Neoplasms (Cancer)	36,294	21.3%	35,864	20.6%	4,642	21.5%	4,688	22.3%
Diseases of the Heart	24,382	14.3%	25,379	14.6%	5,309	24.6%	5,234	24.8%
Non-motor Vehicle Accidents	20,574	12.1%	20,614	11.9%	815	3.8%	817	3.9%
Motor Vehicle Accidents	12,129	7.1%	14,554	8.4%	380	1.8%	425	2.0%
Intentional Self-Harm (Suicides)	8,154	4.8%	8,952	5.2%	284	1.3%	312	1.5%
Chronic Lower Respiratory Diseases	6,562	3.9%	5,719	3.3%	1,603	7.4%	1,345	6.4%
Diabetes Mellitus	5,423	3.2%	5,627	3.2%	742	3.4%	801	3.8%
Congenital Malformations	4,503	2.6%	2,956	1.7%	83	0.4%	62	0.3%
Infectious and Parasitic Diseases (excluding HIV)	4,100	2.4%	3,596	2.1%	521	2.4%	482	2.3%
Cerebrovascular Diseases (Stroke)	3,796	2.2%	4,324	2.5%	1,047	4.9%	1,112	5.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	3,446	2.0%	3,509	2.0%	106	0.5%	111	0.5%
Chronic Liver Disease and Cirrhosis	3,353	2.0%	4,035	2.3%	225	1.0%	275	1.3%
Assault (Homicides)	2,772	1.6%	3,817	2.2%	77	0.4%	94	0.4%
Sudden Infant Death Syndrome	2,533	1.5%	2,161	1.2%	34	0.2%	29	0.1%
Nephritis, Nephrotic Syndrome, and Nephrosis	2,307	1.4%	2,064	1.2%	500	2.3%	456	2.2%
Influenza and Pneumonia	1,899	1.1%	1,619	0.9%	405	1.9%	370	1.8%
Obesity	1,384	0.8%	1,476	0.8%	56	0.3%	61	0.3%
Other Respiratory Conditions of the Newborn (Non-RDS)	1,043	0.6%	1,714	1.0%	14	0.1%	23	0.1%
Essential Hypertension and Hypertensive Renal Disease	963	0.6%	1,285	0.7%	236	1.1%	252	1.2%
Alcohol or Drug Psychoses, Dependence or Abuse	948	0.6%	1,043	0.6%	45	0.2%	53	0.3%
All Other Causes (Residual)	23,469	13.8%	23,431	13.5%	4,427	20.5%	4,065	19.3%

Distribution of Years of Potential Life Lost and Number of Deaths
 West Virginia Resident Deaths, 2008
 Exhibit 12



Leading Causes of Death by Age Group and Gender
West Virginia, 2008
Table 20

Leading Causes of Death	Total, All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	10,670		10,881		21,551	
Diseases of the Heart	2,549	23.9%	2,760	25.4%	5,309	24.6%
Malignant Neoplasms (Cancer)	2,484	23.3%	2,158	19.8%	4,642	21.5%
Chronic Lower Respiratory Disease	759	7.1%	844	7.8%	1,603	7.4%
Accidents, All Forms	775	7.3%	420	3.9%	1,195	5.5%
Cerebrovascular Disease (Stroke)	416	3.9%	631	5.8%	1,047	4.9%
Dementia	233	2.2%	519	4.8%	752	3.5%
Diabetes Mellitus	378	3.5%	364	3.3%	742	3.4%
Alzheimer's Disease	180	1.7%	482	4.4%	662	3.1%
Nephritis, Nephrotic Syndrome, and Nephrosis	253	2.4%	247	2.3%	500	2.3%
Influenza and Pneumonia	203	1.9%	202	1.9%	405	1.9%
All Other Causes (Residual)	2,440	22.9%	2,254	20.7%	4,694	21.8%

Leading Causes of Death	Less than One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	91		75		166	
Congenital Malformations	19	20.9%	21	28.0%	40	24.1%
Sudden Infant Death Syndrome	17	18.7%	17	22.7%	34	20.5%
Other Respiratory and Cardiovascular Conditions of the Newborn	10	11.0%	3	4.0%	13	7.8%
Disorders Relating to Short Gestation/Unspecified LBW	10	11.0%	2	2.7%	12	7.2%
Accidents, All Forms	7	7.7%	3	4.0%	10	6.0%
Respiratory Distress Syndrome	3	3.3%	2	2.7%	5	3.0%
Infections Specific to the Perinatal Period	4	4.4%	4	5.3%	8	4.8%
Maternal Complications of Pregnancy	5	5.5%	1	1.3%	6	3.6%
Neonatal Digestive Disorders	2	2.2%	3	4.0%	5	3.0%
Intrauterine Hypoxia and Birth Asphyxia	2	2.2%	2	2.7%	4	2.4%
Complications of Placenta, Cord, and Membrane	1	1.1%	3	4.0%	4	2.4%
Neonatal Hemorrhage	0	0.0%	3	4.0%	3	1.8%
All Other Causes (Residual)	11	12.1%	11	14.7%	22	13.3%

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	23		14		37	
Accidents, All Forms	6	26.1%	5	35.7%	11	29.7%
Congenital Malformations	5	21.7%	1	7.1%	6	16.2%
Assault (Homicides)	4	17.4%	1	7.1%	5	13.5%
Injury Undetermined Whether Accidental or Purposely Inflicted	2	8.7%	2	14.3%	4	10.8%
Malignant Neoplasms (Cancer)	2	8.7%	2	14.3%	4	10.8%
All Other Causes (Residual)	4	17.4%	3	21.4%	7	18.9%

Leading Causes of Death by Age Group and Gender
West Virginia 2008
Table 20 (Cont'd)

Leading Causes of Death	Five to Nine Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	9		4		13	
Accidents, All Forms	3	33.3%	1	25.0%	4	30.8%
Malignant Neoplasms (Cancer)	0	0.0%	2	50.0%	2	15.4%
All Other Causes (Residual)	6	66.7%	1	25.0%	7	53.8%

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	11		9		20	
Accidents, All Forms	4	36.4%	2	22.2%	6	30.0%
Malignant Neoplasms (Cancer)	0	0.0%	3	33.3%	3	15.0%
Assault (Homicides)	2	18.2%	1	11.1%	3	15.0%
All Other Causes (Residual)	5	45.5%	3	33.3%	8	40.0%

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	155		64		219	
Accidents, All Forms	92	59.4%	36	56.3%	128	58.4%
Intentional Self-Harm (Suicides)	28	18.1%	4	6.3%	32	14.6%
Malignant Neoplasms (Cancer)	8	5.2%	4	6.3%	12	5.5%
Assault (Homicides)	6	3.9%	3	4.7%	9	4.1%
Congenital Malformations	4	2.6%	2	3.1%	6	2.7%
Diseases of the Heart	1	0.6%	4	6.3%	5	2.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	2	1.3%	2	3.1%	4	1.8%
Diabetes Mellitus	2	1.3%	0	0.0%	2	0.9%
All Other Causes (Residual)	12	7.7%	9	14.1%	21	9.6%

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	225		131		356	
Accidents, All Forms	117	52.0%	57	43.5%	174	48.9%
Intentional Self-Harm (Suicides)	30	13.3%	12	9.2%	42	11.8%
Diseases of the Heart	16	7.1%	9	6.9%	25	7.0%
Malignant Neoplasms (Cancer)	12	5.3%	12	9.2%	24	6.7%
Injury Undetermined Whether Accidental or Purposely Inflicted	13	5.8%	3	2.3%	16	4.5%
Assault (Homicides)	8	3.6%	5	3.8%	13	3.7%
Diabetes Mellitus	3	1.3%	5	3.8%	8	2.2%
Obesity	4	1.8%	1	0.8%	5	1.4%
All Other Causes (Residual)	22	9.8%	27	20.6%	49	13.8%

Leading Causes of Death by Age Group and Gender
West Virginia 2008
Table 20 (Cont'd)

Leading Causes of Death	Thirty-Five to Forty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	454		229		683	
Accidents, All Forms	159	35.0%	49	21.4%	208	30.5%
Malignant Neoplasms (Cancer)	42	9.3%	50	21.8%	92	13.5%
Diseases of the Heart	58	12.8%	30	13.1%	88	12.9%
Intentional Self-Harm (Suicides)	46	10.1%	16	7.0%	62	9.1%
Injury Undetermined Whether Accidental or Purposely Inflicted	14	3.1%	9	3.9%	23	3.4%
Chronic Liver Disease and Cirrhosis	19	4.2%	3	1.3%	22	3.2%
Diabetes Mellitus	11	2.4%	4	1.7%	15	2.2%
Human Immunodeficiency Virus Infection	8	1.8%	5	2.2%	13	1.9%
Assault (Homicides)	7	1.5%	6	2.6%	13	1.9%
Obesity	7	1.5%	6	2.6%	13	1.9%
All Other Causes (Residual)	83	18.3%	51	22.3%	134	19.6%

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	973		563		1,536	
Malignant Neoplasms (Cancer)	225	23.1%	189	33.6%	414	27.0%
Diseases of the Heart	203	20.9%	69	12.3%	272	17.7%
Accidents, All Forms	138	14.2%	84	14.9%	222	14.5%
Diabetes Mellitus	42	4.3%	18	3.2%	60	3.9%
Intentional Self-Harm (Suicides)	42	4.3%	15	2.7%	57	3.7%
Chronic Lower Respiratory Disease	29	3.0%	26	4.6%	55	3.6%
Chronic Liver Disease and Cirrhosis	45	4.6%	8	1.4%	53	3.5%
Cerebrovascular Disease (Stroke)	21	2.2%	15	2.7%	36	2.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	18	1.8%	8	1.4%	26	1.7%
Influenza and Pneumonia	9	0.9%	15	2.7%	24	1.6%
All Other Causes (Residual)	201	20.7%	116	20.6%	317	20.6%

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,674		1,119		2,793	
Malignant Neoplasms (Cancer)	531	31.7%	401	35.8%	932	33.4%
Diseases of the Heart	377	22.5%	192	17.2%	569	20.4%
Chronic Lower Respiratory Disease	104	6.2%	101	9.0%	205	7.3%
Diabetes Mellitus	75	4.5%	58	5.2%	133	4.8%
Accidents, All Forms	92	5.5%	37	3.3%	129	4.6%
Cerebrovascular Disease (Stroke)	59	3.5%	39	3.5%	98	3.5%
Chronic Liver Disease and Cirrhosis	45	2.7%	13	1.2%	58	2.1%
Nephritis, Nephrotic Syndrome, and Nephrosis	32	1.9%	23	2.1%	55	2.0%
Septicemia	28	1.7%	21	1.9%	49	1.8%
Intentional Self-Harm (Suicides)	31	1.9%	13	1.2%	44	1.6%
All Other Causes (Residual)	300	17.9%	221	19.7%	521	18.7%

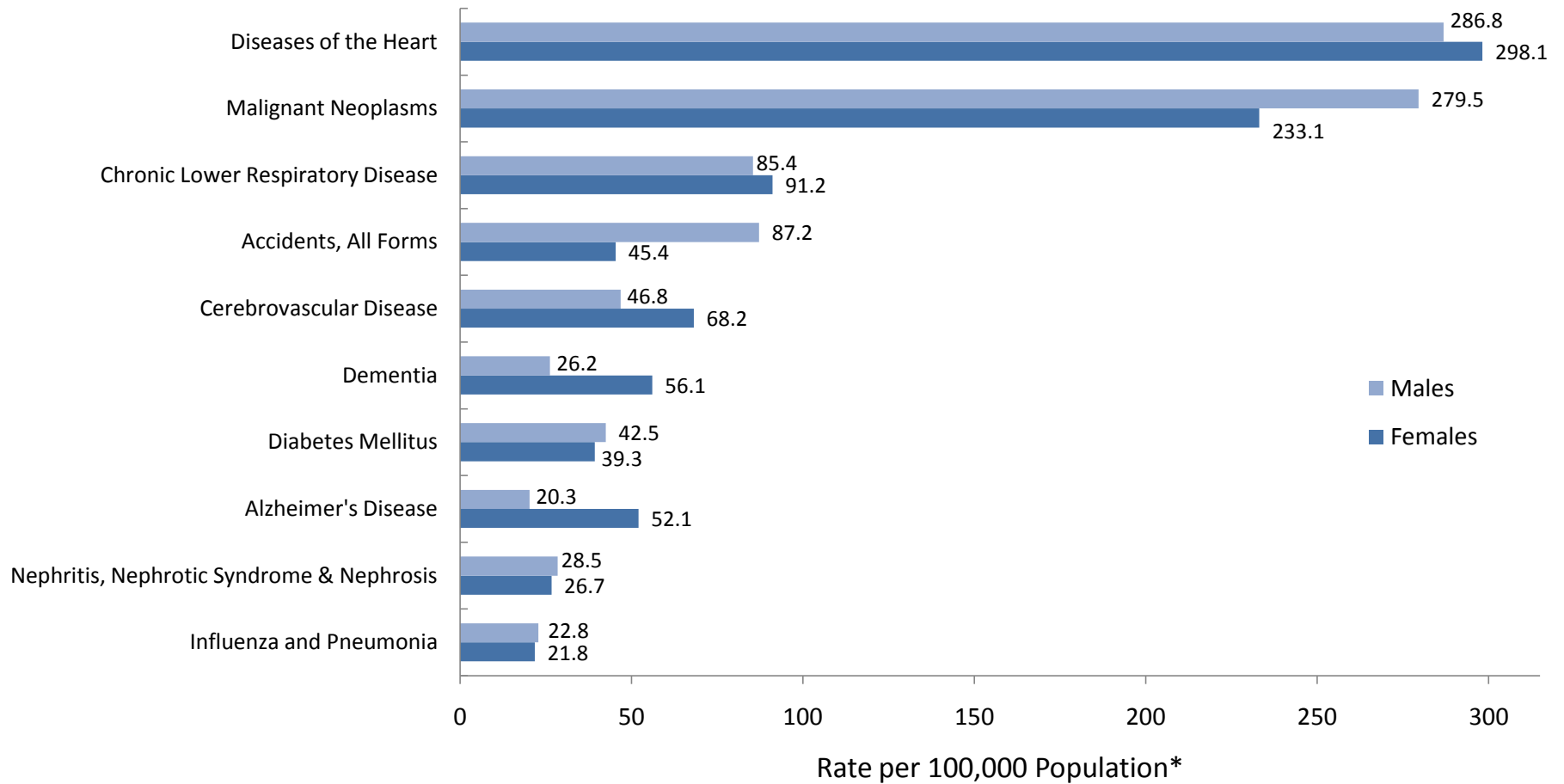
Leading Causes of Death by Age Group and Gender
West Virginia 2008
Table 20 (Cont'd)

Leading Causes of Death	Sixty-Five to Seventy-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,146		1,723		3,869	
Malignant Neoplasms (Cancer)	665	31.0%	529	30.7%	1,194	30.9%
Diseases of the Heart	489	22.8%	353	20.5%	842	21.8%
Chronic Lower Respiratory Disease	189	8.8%	198	11.5%	387	10.0%
Diabetes Mellitus	102	4.8%	68	3.9%	170	4.4%
Cerebrovascular Disease (Stroke)	76	3.5%	92	5.3%	168	4.3%
Nephritis, Nephrotic Syndrome, and Nephrosis	52	2.4%	55	3.2%	107	2.8%
Accidents, All Forms	52	2.4%	24	1.4%	76	2.0%
Septicemia	34	1.6%	31	1.8%	65	1.7%
Influenza and Pneumonia	34	1.6%	23	1.3%	57	1.5%
Chronic Liver Disease and Cirrhosis	27	1.3%	21	1.2%	48	1.2%
All Other Causes (Residual)	426	19.9%	329	19.1%	755	19.5%

Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,979		3,112		6,091	
Diseases of the Heart	741	24.9%	804	25.8%	1,545	25.4%
Malignant Neoplasms (Cancer)	748	25.1%	608	19.5%	1,356	22.3%
Chronic Lower Respiratory Disease	300	10.1%	298	9.6%	598	9.8%
Cerebrovascular Disease (Stroke)	132	4.4%	192	6.2%	324	5.3%
Alzheimer's Disease	77	2.6%	176	5.7%	253	4.2%
Dementia	87	2.9%	145	4.7%	232	3.8%
Diabetes Mellitus	100	3.4%	110	3.5%	210	3.4%
Nephritis, Nephrotic Syndrome, and Nephrosis	93	3.1%	78	2.5%	171	2.8%
Accidents, All Forms	68	2.3%	67	2.2%	135	2.2%
Septicemia	62	2.1%	70	2.2%	132	2.2%
All Other Causes (Residual)	571	19.2%	564	18.1%	1,135	18.6%

Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,930		3,838		5,768	
Diseases of the Heart	662	34.3%	1,299	33.8%	1,961	34.0%
Malignant Neoplasms (Cancer)	249	12.9%	358	9.3%	607	10.5%
Dementia	116	6.0%	345	9.0%	461	8.0%
Cerebrovascular Disease (Stroke)	118	6.1%	288	7.5%	406	7.0%
Alzheimer's Disease	82	4.2%	281	7.3%	363	6.3%
Chronic Lower Respiratory Disease	132	6.8%	215	5.6%	347	6.0%
Influenza and Pneumonia	60	3.1%	89	2.3%	149	2.6%
Diabetes Mellitus	43	2.2%	101	2.6%	144	2.5%
Nephritis, Nephrotic Syndrome, and Nephrosis	58	3.0%	80	2.1%	138	2.4%
Accidents, All Forms	37	1.9%	55	1.4%	92	1.6%
Essential Hypertension and Hypertensive Renal Disease	33	1.7%	58	1.5%	91	1.6%
All Other Causes (Residual)	340	17.6%	669	17.4%	1,009	17.5%

2008 Ten Leading Causes of Death by Gender
 West Virginia Resident Death Rates*
 Exhibit 13



Types of Firearm Injury Deaths by Age Group and Gender
West Virginia Residents, 2008
Table 21

	Age in Years									Total
	0-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	
Total										
Accidental	0	0	0	0	0	1	0	0	1	2
Intentional Self-Harm (Suicide)	0	0	6	11	21	37	41	32	42	190
Assault (Homicide)	2	2	3	3	7	11	7	0	3	38
Legal Intervention	0	0	1	0	2	1	0	0	0	4
Undetermined	0	0	1	1	0	1	1	0	0	4
Total	2	2	11	15	30	51	49	32	46	238
Male										
Accidental	0	0	0	0	0	1	0	0	1	2
Intentional Self-Harm (Suicide)	0	0	6	11	17	30	33	23	42	162
Assault (Homicide)	2	2	2	2	4	5	6	0	1	24
Legal Intervention	0	0	1	0	2	1	0	0	0	4
Undetermined	0	0	1	0	0	1	1	0	0	3
Total	2	2	10	13	23	38	40	23	44	195
Female										
Accidental	0	0	0	0	0	0	0	0	0	0
Intentional Self-Harm (Suicide)	0	0	0	0	4	7	8	9	0	28
Assault (Homicide)	0	0	1	1	3	6	1	0	2	14
Legal Intervention	0	0	0	0	0	0	0	0	0	0
Undetermined	0	0	0	1	0	0	0	0	0	1
Total	0	0	1	2	7	13	9	9	2	43

Non-Transport Accidental Injury Deaths
Place Where Injury Occurred
West Virginia Residents, 2008
Table 22

Place of Injury	Male	Female	Total
Home	275	194	469
Farm	1	0	1
Mine and Quarry	9	1	10
Industrial Places	4	0	4
Recreational Places	6	0	6
Street and Highway	1	0	1
Resident Institution	0	2	2
Other Specified Places	158	86	244
Unspecified Places	27	19	46
Total	481	302	783

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Causes of Resident Deaths: Number and Rate
West Virginia, 2008
Table 23

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99*	Total Deaths, All Causes	21,551	11.9
A00-B99	Certain Infectious and Parasitic Diseases	550	30.3
A00-A09	Intestinal Infectious Diseases	64	3.5
A04	Other Bacterial Intestinal Infections	59	3.3
A08	Viral and Other Specified Intestinal Infections	2	0.1
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	3	0.2
A15-A19	Tuberculosis	1	0.1
A16	Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically	1	0.1
A30-A49	Other Bacterial Diseases	375	20.7
A31	Infection due to Other Mycobacteria	3	0.2
A39	Meningococcal Infection	1	0.1
A40	Streptococcal Septicemia	2	0.1
A41	Other Septicemia	356	19.6
A48	Other Bacterial Diseases, Not Elsewhere Classified	2	0.1
A49	Bacterial Infection of Unspecified Site	11	0.6
A50-A64	Infections with a Predominantly Sexual Mode of Transmission	1	0.1
A52	Late Syphilis	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	3	0.2
B00	Herpesviral [Herpes Simplex] Infection	2	0.1
B02	Zoster [Herpes Zoster]	1	0.1
B15-B19	Viral Hepatitis	52	2.9
B16	Acute Hepatitis B	2	0.1
B18	Chronic Viral Hepatitis	50	2.8
B20-B24	Human Immunodeficiency Virus [HIV] Disease	29	1.6
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	8	0.4
B21	Human Immunodeficiency Virus [HIV] Disease Resulting in Malignant Neoplasms	3	0.2
B22	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Specified Diseases	4	0.2
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	5	0.3
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	9	0.5
B25-B34	Other Viral Diseases	5	0.3
B25	Cytomegaloviral Disease	1	0.1
B34	Viral Infection of Unspecified Site	4	0.2
B35-B49	Mycoses	9	0.5
B37	Candidiasis	3	0.2
B39	Histoplasmosis	1	0.1
B44	Aspergillosis	1	0.1
B45	Cryptococcosis	1	0.1
B49	Unspecified Mycosis	3	0.2
B50-B64	Protozoal Diseases	2	0.1
B57	Chagas' Disease	1	0.1
B59	Pneumocystis	1	0.1
B65-B83	Helminthiases	1	0.1
B83	Other Helminthiases	1	0.1
B90-B94	Sequelae of Infectious and Parasitic Diseases	1	0.1
B91	Sequelae of Poliomyelitis	1	0.1
B99	Other Infectious Diseases	5	0.3
B99	Other and Unspecified Infectious Diseases	5	0.3
C00-D48	Neoplasms	4,744	261.5
C00-C97	Malignant Neoplasms	4,642	255.8
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	12	0.7
C03	Malignant Neoplasm of Gum	1	0.1
C04	Malignant Neoplasm of Floor of Mouth	1	0.1
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	8	0.4
C07	Malignant Neoplasm of Parotid Gland	2	0.1
C08	Malignant Neoplasm of Other and Unspecified Major Salivary Glands	2	0.1
C09	Malignant Neoplasm of Tonsil	11	0.6
C10	Malignant Neoplasm of Oropharynx	10	0.6

*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2008
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C11	Malignant Neoplasm of Nasopharynx	8	0.4
C13	Malignant Neoplasm of Hypopharynx	1	0.1
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	11	0.6
C15-C26	Malignant Neoplasms of Digestive Organs	969	53.4
C15	Malignant Neoplasm of Esophagus	104	5.7
C16	Malignant Neoplasm of Stomach	63	3.5
C17	Malignant Neoplasm of Small Intestine	9	0.5
C18	Malignant Neoplasm of Colon	336	18.5
C19	Malignant Neoplasm of Rectosigmoid Junction	13	0.7
C20	Malignant Neoplasm of Rectum	62	3.4
C21	Malignant Neoplasm of Anus and Anal Canal	10	0.6
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	109	6.0
C23	Malignant Neoplasm of Gallbladder	12	0.7
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	15	0.8
C25	Malignant Neoplasm of Pancreas	222	12.2
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	14	0.8
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,536	84.7
C31	Malignant Neoplasm of Accessory Sinuses	3	0.2
C32	Malignant Neoplasm of Larynx	43	2.4
C33	Malignant Neoplasm of Trachea	2	0.1
C34	Malignant Neoplasm of Bronchus and Lung	1,484	81.8
C37	Malignant Neoplasm of Thymus	1	0.1
C39	Malignant Neoplasm of Other and Ill-Defined Sites in the Respiratory System and Intrathoracic Organs	3	0.2
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	3	0.2
C41	Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites	3	0.2
C43-C44	Melanoma and Other Malignant Neoplasms of Skin	97	5.3
C43	Malignant Neoplasm of Skin	78	4.3
C44	Other Malignant Neoplasms of Skin	19	1.0
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	63	3.5
C45	Mesothelioma	31	1.7
C46	Kaposi's Sarcoma	1	0.1
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	6	0.3
C49	Malignant Neoplasm of Other Connective and Soft Tissue	25	1.4
C50	Malignant Neoplasm of Breast	306	16.9
C50	Malignant Neoplasm of Breast	306	16.9
C51-C58	Malignant Neoplasms of Female Genital Organs	202	11.1
C51	Malignant Neoplasm of Vulva	13	0.7
C52	Malignant Neoplasm of Vagina	5	0.3
C53	Malignant Neoplasm of Cervix Uteri	25	1.4
C54	Malignant Neoplasm of Corpus Uteri	26	1.4
C55	Malignant Neoplasm of Uterus, Part Unspecified	33	1.8
C56	Malignant Neoplasm of Ovary	100	5.5
C60-C63	Malignant Neoplasms of Male Genital Organs	191	10.5
C60	Malignant Neoplasm of Penis	2	0.1
C61	Malignant Neoplasm of Prostate	187	10.3
C62	Malignant Neoplasm of Testis	2	0.1
C64-C68	Malignant Neoplasms of Urinary Tract	235	13.0
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	104	5.7
C65	Malignant Neoplasm of Renal Pelvis	2	0.1
C66	Malignant Neoplasm of Ureter	3	0.2
C67	Malignant Neoplasm of Bladder	119	6.6
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	7	0.4
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	103	5.7
C69	Malignant Neoplasm of Eye and Adnexa	2	0.1
C71	Malignant Neoplasm of Brain	100	5.5
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	19	1.0
C73	Malignant Neoplasm of Thyroid Gland	10	0.6
C74	Malignant Neoplasm of Adrenal Gland	4	0.2
C75	Malignant Neoplasm of Other Endocrine Glands and Related Structures	5	0.3

*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2008
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	281	15.5
C76	Malignant Neoplasm of Other and Ill-Defined Sites	45	2.5
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	27	1.5
C79	Secondary Malignant Neoplasm of Other Sites	19	1.0
C80	Malignant Neoplasm without Specification of Site	190	10.5
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	444	24.5
C81	Hodgkin's Disease	6	0.3
C82	Follicular [Nodular] Non-Hodgkin's Lymphoma	3	0.2
C83	Diffuse Non-Hodgkin's Lymphoma	16	0.9
C84	Peripheral and Cutaneous T-Cell Lymphoma	8	0.4
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	148	8.2
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	80	4.4
C91	Lymphoid Leukemia	50	2.8
C92	Myeloid Leukemia	93	5.1
C93	Monocytic Leukemia	2	0.1
C95	Leukemia of Unspecified Cell Type	38	2.1
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	124	6.8
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	124	6.8
D10-D36	Benign Neoplasms	15	0.8
D13	Benign Neoplasm of Other and Ill-Defined Parts of Digestive System	1	0.1
D17	Benign Lipomatous Neoplasm	1	0.1
D18	Hemangioma and Lymphangioma, Any Site	2	0.1
D32	Benign Neoplasm of Meninges	10	0.6
D33	Benign Neoplasm of Brain and Other Parts of Central Nervous System	1	0.1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	87	4.8
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	9	0.5
D39	Neoplasm of Uncertain or Unknown Behavior of Female 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	24	1.3
D44	Neoplasm of Uncertain or Unknown Behavior of Endocrine Glands	4	0.2
D45	Polycythemia Vera	2	0.1
D46	Myelodysplastic Syndromes	31	1.7
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	11	0.6
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	3	0.2
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	109	6.0
D50-D53	Nutritional Anemias	7	0.4
D50	Iron Deficiency Anemia	3	0.2
D53	Other Nutritional Anemias	4	0.2
D55-D59	Hemolytic Anemias	5	0.3
D57	Sickle-Cell Disorders	1	0.1
D58	Other Hereditary Hemolytic Anemias	3	0.2
D59	Acquired Hemolytic Anemia	1	0.1
D60-D64	Aplastic and Other Anemias	50	2.8
D61	Other Aplastic Anemias	15	0.8
D64	Other Anemias	35	1.9
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	28	1.5
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	5	0.3
D68	Other Coagulation Defects	12	0.7
D69	Purpura and Other Hemorrhagic Conditions	11	0.6
D70-D77	Other Diseases of Blood and Blood-forming Organs	5	0.3
D70	Agranulocytosis	4	0.2
D73	Diseases of Spleen	1	0.1
D80-D89	Certain Disorders Involving the Immune Mechanism	14	0.8
D84	Other Immunodeficiencies	6	0.3
D86	Sarcoidosis	7	0.4
D89	Other Disorders Involving the Immune Mechanism, Not Elsewhere Classified	1	0.1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,049	57.8
E00-E07	Disorders of Thyroid Gland	20	1.1
E03	Other Hypothyroidism	14	0.8
E04	Other Nontoxic Goitre	2	0.1

*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2008
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
E05	Thyrotoxicosis [Hyperthyroidism]	1	0.1
E06	Thyroiditis	1	0.1
E07	Other Disorders of Thyroid	2	0.1
E10-E14	Diabetes Mellitus	742	40.9
E10	Insulin-Dependent Diabetes Mellitus	61	3.4
E11	Non-Insulin-Dependent Diabetes Mellitus	224	12.3
E14	Unspecified Diabetes Mellitus	457	25.2
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	2	0.1
E16	Other Disorders of Pancreatic Internal Secretion	2	0.1
E20-E35	Disorders of Other Endocrine Glands	9	0.5
E21	Hypoparathyroidism and Other Disorders of Parathyroid Gland	3	0.2
E23	Hyperfunction and Other Disorders of Pituitary Gland	2	0.1
E27	Other Disorders of Adrenal Gland	2	0.1
E34	Other Endocrine Disorders	2	0.1
E40-E46	Malnutrition	17	0.9
E43	Unspecified Severe Protein-Energy Malnutrition	4	0.2
E46	Unspecified Protein-Energy Malnutrition	13	0.7
E65-E68	Obesity and Other Hyperalimantation	56	3.1
E66	Obesity	56	3.1
E70-E90	Metabolic Disorders	203	11.2
E71	Disorders of Branched-Chain Amino-Acid Metabolism and Fatty-Acid Metabolism	1	0.1
E72	Other Disorders of Amino-Acid Metabolism	1	0.1
E74	Other Disorders of Carbohydrate Metabolism	1	0.1
E75	Disorders of Sphingolipid Metabolism and Other Lipid Storage Disorders	1	0.1
E78	Disorders of Lipoprotein Metabolism and Other Lipidemias	98	5.4
E83	Disorders of Mineral Metabolism	2	0.1
E84	Cystic Fibrosis	5	0.3
E85	Amyloidosis	5	0.3
E86	Volume Depletion	35	1.9
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	44	2.4
E88	Other Metabolic Disorders	10	0.6
F00-F99	Mental and Behavioral Disorders	838	46.2
F00-F09	Organic, Including Symptomatic, Mental Disorders	768	42.3
F01	Vascular Dementia	83	4.6
F03	Unspecified Dementia	669	36.9
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	15	0.8
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	45	2.5
F10	Mental and Behavioral Disorders due to Use of Alcohol	37	2.0
F14	Mental and Behavioral Disorders due to Use of Cocaine	1	0.1
F17	Mental and Behavioral Disorders due to Use of Tobacco	3	0.2
F19	Mental and Behavioral Disorders due to Multiple Drug Use and Use of Other Psychoactive Substances	4	0.2
F20-F29	Schizophrenia, Schizotypal and Delusional Disorders	10	0.6
F20	Schizophrenia	9	0.5
F25	Schizoaffective Disorders	1	0.1
F30-F39	Mood [Affective] Disorders	5	0.3
F31	Bipolar Affective Disorder	1	0.1
F32	Depressive Episode	4	0.2
F40-F48	Neurotic, Stress-Related and Somatoform Disorders	1	0.1
F41	Other Anxiety Disorders	1	0.1
F50-F59	Behavioral Syndromes Associated with Physiological Disturbances and Physical Factors	3	0.2
F54	Psychological and Behavioral Factors Associated with Disorders or Diseases Classified Elsewhere	3	0.2
F70-F79	Mental Retardation	6	0.3
F72	Severe Mental Retardation	1	0.1
F79	Unspecified Mental Retardation	5	0.3
G00-G99	Diseases of the Nervous System	1,079	59.5
G00-G09	Inflammatory Diseases of the Central Nervous System	14	0.8
G00	Bacterial Meningitis, Not Elsewhere Classified	4	0.2
G03	Meningitis due to Other and Unspecified Causes	6	0.3
G04	Encephalitis, Myelitis and Encephalomyelitis	1	0.1
G06	Intracranial and Intraspinal Abscess and Granuloma	2	0.1

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Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
G08	Intracranial and Intraspinial Phlebitis and Thrombophlebitis	1	0.1
G10-G13	Systemic Atrophies Primarily Affecting the Central Nervous System	55	3.0
G10	Huntington's Disease	9	0.5
G12	Spinal Muscular Atrophy and Related Syndromes	46	2.5
G20-G26	Extrapyramidal and Movement Disorders	167	9.2
G20	Parkinson's Disease	164	9.0
G21	Secondary Parkinsonism	2	0.1
G23	Other Degenerative Diseases of Basal Ganglia	1	0.1
G30-G32	Other Degenerative Diseases of the Nervous System	677	37.3
G30	Alzheimer's Disease	662	36.5
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	15	0.8
G35-G37	Demyelinating Diseases of the Central Nervous System	28	1.5
G35	Multiple Sclerosis	26	1.4
G37	Other Demyelinating	2	0.1
G40-G47	Episodic and Paroxysmal Disorders	25	1.4
G40	Epilepsy	5	0.3
G41	Status Epilepticus	2	0.1
G45	Transient Cerebral Ischemic Attacks and Related Syndromes	7	0.4
G47	Sleep Disorders	11	0.6
G60-G64	Polyneuropathies and Other Disorders of the Peripheral Nervous System	6	0.3
G60	Hereditary and Idiopathic Neuropathy	1	0.1
G61	Inflammatory Polyneuropathy	2	0.1
G62	Other Polyneuropathies	3	0.2
G70-G73	Diseases of Myoneural Junction and Muscle	15	0.8
G70	Myasthenia Gravis and Other Myoneural Disorders	6	0.3
G71	Primary Disorders of Muscles	9	0.5
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	13	0.7
G80	Infantile Cerebral Palsy	8	0.4
G82	Paraplegia and Tetraplegia	5	0.3
G90-G99	Other Disorders of the Nervous System	79	4.4
G90	Disorders of Autonomic Nervous System	2	0.1
G91	Hydrocephalus	9	0.5
G93	Other Disorders of Brain	66	3.6
G95	Other Diseases of Spinal Cord	1	0.1
G98	Other Disorders of Nervous System, Not Elsewhere Classified	1	0.1
H60-H95	Diseases of the Ear	1	0.1
H65-H75	Diseases of Middle Ear and Mastoid	1	0.1
H66	Supportive and Unspecified Otitis Media	1	0.1
I00-I99	Diseases of the Circulatory System	6,891	379.8
I00-I09, I11, I13, I20-I51	Diseases of the Heart	5,309	292.6
I05-I09	Chronic Rheumatic Heart Diseases	20	1.1
I05	Rheumatic Mitral Valve Diseases	7	0.4
I07	Rheumatic Tricuspid Valve Diseases	1	0.1
I08	Multiple Valve Diseases	9	0.5
I09	Other Rheumatic Heart Diseases	3	0.2
I10-I15	Hypertensive Diseases	362	20.0
I10	Essential (Primary) Hypertension	163	9.0
I11	Hypertensive Heart Disease	108	6.0
I12	Hypertensive Renal Disease	73	4.0
I13	Hypertensive Heart and Renal Disease	18	1.0
I20-I25	Ischemic Heart Diseases	3,519	193.9
I20	Angina Pectoris	3	0.2
I21	Acute Myocardial Infarction	1,179	65.0
I22	Subsequent Myocardial Infarction	1	0.1
I24	Other Acute Ischemic Heart Diseases	30	1.7
I25	Chronic Ischemic Heart Disease	2,306	127.1
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	87	4.8
I26	Pulmonary Embolism	50	2.8
I27	Other Pulmonary Heart Diseases	37	2.0

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Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
I30-I52	Other forms of Heart Diseases	1,557	85.8
I31	Other Diseases of Pericardium	4	0.2
I33	Acute and Subacute Endocarditis	8	0.4
I34	Nonrheumatic Mitral Valve Disorders	14	0.8
I35	Nonrheumatic Aortic Valve Disorders	87	4.8
I37	Pulmonary Valve Disorders	1	0.1
I38	Endocarditis, Valve Unspecified	44	2.4
I40	Acute Myocarditis	4	0.2
I42	Cardiomyopathy	124	6.8
I44	Atrioventricular and Left Bundle-Branch Block	6	0.3
I45	Other Conduction Disorders	7	0.4
I46	Cardiac Arrest	338	18.6
I47	Paroxysmal Tachycardia	10	0.6
I48	Atrial Fibrillation and Flutter	189	10.4
I49	Other Cardiac Arrhythmias	66	3.6
I50	Heart Failure	592	32.6
I51	Complications and Ill-Defined Descriptions of Heart Disease	63	3.5
I60-I69	Cerebrovascular Diseases	1,047	57.7
I60	Subarachnoid Hemorrhage	45	2.5
I61	Intracerebral Hemorrhage	144	7.9
I62	Other Nontraumatic Intracranial Hemorrhage	78	4.3
I63	Cerebral Infarction	52	2.9
I64	Stroke, Not Specified as Hemorrhage or Infarction	585	32.2
I67	Other Cerebrovascular Diseases	103	5.7
I69	Sequelae of Cerebrovascular Disease	40	2.2
I70-I79	Diseases of Arteries, Arterioles and Capillaries	265	14.6
I70	Atherosclerosis	90	5.0
I71	Aortic Aneurysm and Dissection	101	5.6
I72	Other Aneurysm	7	0.4
I73	Other Peripheral Vascular Diseases	60	3.3
I74	Arterial Embolism and Thrombosis	2	0.1
I77	Other Disorders of Arteries and Arterioles	4	0.2
I78	Diseases of Capillaries	1	0.1
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	28	1.5
I80	Phlebitis and Thrombophlebitis	23	1.3
I81	Portal Vein Thrombosis	2	0.1
I82	Other Venous Embolism and Thrombosis	2	0.1
I83	Varicose Veins of Lower Extremities	1	0.1
I95-I99	Other and Unspecified Disorders of the Circulatory System	6	0.3
I95	Hypotension	2	0.1
I99	Other and Unspecified Disorders of Circulatory System	4	0.2
J00-J99	Diseases of the Respiratory System	2,548	140.4
J09-J18	Influenza and Pneumonia	405	22.3
J10	Influenza due to Identified Influenza Virus	10	0.6
J11	Influenza, Virus Not Identified	11	0.6
J13	Pneumonia due to Streptococcus Pneumoniae	2	0.1
J15	Bacterial Pneumonia, Not Elsewhere Classified	24	1.3
J18	Pneumonia, Organism Unspecified	358	19.7
J20-J22	Other Acute Lower Respiratory Infections	3	0.2
J20	Acute Bronchitis	2	0.1
J22	Unspecified Acute Lower Respiratory Infection	1	0.1
J30-J39	Other Diseases of Upper Respiratory Tract	3	0.2
J38	Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	1	0.1
J39	Other Diseases of Upper Respiratory Tract	2	0.1
J40-J47	Chronic Lower Respiratory Diseases	1,603	88.3
J40	Bronchitis, Not Specified as Acute or Chronic	4	0.2
J42	Unspecified Chronic Bronchitis	3	0.2
J43	Emphysema	114	6.3
J44	Other Chronic Obstructive Pulmonary Disease	1,458	80.4
J45	Asthma	15	0.8
J46	Status Asthmaticus	2	0.1

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Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
J47	Bronchiectasis	7	0.4
J60-J70	Lung Diseases due to External Agents	213	11.7
J60	Coalworker's Pneumoconiosis	66	3.6
J61	Pneumoconiosis due to Asbestos and Other Mineral Fibers	9	0.5
J62	Pneumoconiosis due to Dust Containing Silicia	4	0.2
J64	Unspecified Pneumoconiosis	4	0.2
J69	Pneumonitis due to Solids and Liquids	130	7.2
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	140	7.7
J80	Adult Respiratory Distress Syndrome	17	0.9
J81	Pulmonary Edema	5	0.3
J84	Other Interstitial Pulmonary Diseases	118	6.5
J85-J86	Suppurative and Necrotic Conditions of Lower Respiratory Tract	10	0.6
J85	Abscess of Lung and Mediastinum	3	0.2
J86	Pyothorax	7	0.4
J90-J94	Other Diseases of Pleura	17	0.9
J90	Pleural Effusion, Not Elsewhere Classified	14	0.8
J93	Pneumothorax	2	0.1
J94	Other Pleural Conditions	1	0.1
J95-J99	Other Diseases of the Respiratory System	154	8.5
J96	Respiratory Failure, Not Elsewhere Classified	111	6.1
J98	Other Respiratory Disorders	43	2.4
K00-K93	Diseases of the Digestive System	707	39.0
K00-K14	Diseases of Oral Cavity, Salivary Glands and Jaws	1	0.1
K11	Diseases of Salivary Glands	1	0.1
K20-K31	Diseases of Esophagus, Stomach and Duodenum	40	2.2
K20	Esophagitis	2	0.1
K21	Gastro-esophageal Reflux Disease	4	0.2
K22	Other Diseases of Esophagus	6	0.3
K25	Gastric Ulcer	3	0.2
K26	Duodenal Ulcer	8	0.4
K27	Peptic Ulcer, Site Unspecified	11	0.6
K29	Gastritis and Duodenitis	1	0.1
K31	Other Diseases of Stomach and Duodenum	5	0.3
K35-K38	Diseases of Appendix	2	0.1
K35	Acute Appendicitis	2	0.1
K40-K46	Hernia	10	0.6
K41	Femoral Hernia	1	0.1
K43	Ventral Hernia	1	0.1
K44	Diaphragmatic Hernia	3	0.2
K45	Other Abdominal Hernia	1	0.1
K46	Unspecified Abdominal Hernia	4	0.2
K50-K52	Noninfective Enteritis and Colitis	15	0.8
K50	Crohn's Disease [Regional Enteritis]	4	0.2
K51	Ulcerative Colitis	1	0.1
K52	Other Noninfective Gastroenteritis and Colitis	10	0.6
K55-K63	Other Diseases of Intestines	171	9.4
K55	Vascular Disorders of Intestine	58	3.2
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	54	3.0
K57	Diverticular Disease of Intestine	27	1.5
K59	Other Functional Intestinal Disorders	1	0.1
K62	Other Diseases of Anus and Rectum	4	0.2
K63	Other Diseases of Intestine	27	1.5
K65-K67	Diseases of Peritoneum	17	0.9
K65	Peritonitis	14	0.8
K66	Other Disorders of Peritoneum	3	0.2
K70-K77	Diseases of Liver	310	17.1
K70	Alcoholic Liver Disease	78	4.3
K72	Hepatic Failure, Not Elsewhere Classified	45	2.5
K73	Chronic Hepatitis, Not Elsewhere Classified	1	0.1
K74	Fibrosis and Cirrhosis of Liver	146	8.0
K75	Other Inflammatory Liver Diseases	3	0.2

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Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
K76	Other Diseases of Liver	37	2.0
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	70	3.9
K80	Chololithiasis	7	0.4
K81	Cholecystitis	12	0.7
K82	Other Diseases of Gallbladder	2	0.1
K83	Other Diseases of Biliary Tract	9	0.5
K85	Acute Pancreatitis	31	1.7
K86	Other Diseases of Pancreas	9	0.5
K90-K93	Other Diseases of the Digestive System	71	3.9
K90	Intestinal Malabsorption	4	0.2
K91	Postprocedural Disorders of Digestive System, Not Elsewhere Classified	1	0.1
K92	Other Diseases of Digestive System	66	3.6
L00-L99	Diseases of the Skin and Subcutaneous Tissue	43	2.4
L00-L08	Infections of the Skin and Subcutaneous Tissue	14	0.8
L02	Cutaneous Abscess, Furuncle and Carbuncle	2	0.1
L03	Cellulitis	5	0.3
L08	Other Local Infections of Skin and Subcutaneous Tissue	7	0.4
L10-L14	Bullous Disorders	1	0.1
L12	Pemphigoid	1	0.1
L20-L30	Dermatitis and Eczema	1	0.1
L20	Atopic Dermatitis	1	0.1
L40-L45	Papulosquamous Disorders	1	0.1
L40	Psoriasis	1	0.1
L50-L54	Urticaria and Erythema	1	0.1
L51	Erythema Multiforme	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	25	1.4
L89	Decubitus Ulcer	18	1.0
L93	Lupus Erythematosus	3	0.2
L97	Ulcer of Lower Limb, Not Elsewhere Classified	3	0.2
L98	Other Disorders of Skin and Subcutaneous Tissue, Not Elsewhere Classified	1	0.1
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	122	6.7
M00-M25	Arthropathies	51	2.8
M00-M03	Infectious Arthropathies	1	0.1
M00	Pyogenic Arthritis	1	0.1
M05-M14	Inflammatory Polyarthropathies	38	2.1
M05	Seropositive Rheumatoid Arthritis	4	0.2
M06	Other Rheumatoid Arthritis	28	1.5
M10	Gout	3	0.2
M13	Other Arthritis	3	0.2
M15-M19	Arthrosis	11	0.6
M19	Other Arthrosis	11	0.6
M20-M25	Other Joint Disorders	1	0.1
M24	Other Specific Joint Derangements	1	0.1
M30-M36	Systemic Connective Tissue Disorders	25	1.4
M31	Other Necrotizing Vasculopathies	5	0.3
M32	Systemic Lupus Erythematosus	4	0.2
M33	Dermatopolymyositis	2	0.1
M34	Systemic Sclerosis	12	0.7
M35	Other Systemic Involvement of Connective Tissue	2	0.1
M40-M54	Dorsopathies	4	0.2
M40-M43	Deforming Dorsopathies	2	0.1
M41	Scoliosis	2	0.1
M45-M49	Spondylopathies	2	0.1
M46	Other Inflammatory Spondylopathies	1	0.1
M48	Other Spondylopathies	1	0.1
M60-M79	Soft Tissue Disorders	8	0.4
M60-M63	Disorders of Muscles	7	0.4
M62	Other Disorders of Muscle	7	0.4
M70-M79	Other Soft Tissue Disorders	1	0.1
M79	Other Soft Tissue Disorders, Not Elsewhere Classified	1	0.1

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Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
M80-M94	Osteopathies and Chondropathies	34	1.9
M80-M85	Disorders of Bone Density and Structure	19	1.0
M80	Osteoporosis with Pathological Fracture	9	0.5
M81	Osteoporosis without Pathological Fracture	3	0.2
M83	Adult Osteomalacia	1	0.1
M84	Disorders of Continuity of Bone	6	0.3
M86-M90	Other Osteopathies	15	0.8
M86	Osteomyelitis	14	0.8
M87	Osteonecrosis	1	0.1
N00-N99	Diseases of the Genitourinary System	667	36.8
N00-N08	Glomerular Diseases	4	0.2
N00	Acute Nephritic Syndrome	1	0.1
N03	Chronic Nephrotic Syndrome	2	0.1
N04	Nephrotic Syndrome	1	0.1
N10-N16	Renal Tubulo-Interstitial Diseases	6	0.3
N10	Acute Tubulo-Interstitial Nephritis	1	0.1
N13	Obstructive and Reflux Uropathy	5	0.3
N17-N19	Renal Failure	494	27.2
N17	Acute Renal Failure	114	6.3
N18	Chronic Renal Failure	195	10.7
N19	Unspecified Renal Failure	185	10.2
N20-N23	Urolithiasis	4	0.2
N20	Calculus of Kidney and Ureter	4	0.2
N25-N29	Other Disorders of Kidney and Ureter	42	2.3
N25	Disorders Resulting from Impaired Renal Tubular Function	2	0.1
N28	Other Disorders of Kidney and Ureter, Not Elsewhere Classified	40	2.2
N30-N39	Other Diseases of the Urinary System	107	5.9
N30	Cystitis	1	0.1
N32	Other Disorders of Bladder	1	0.1
N39	Other Disorders of Urinary System	105	5.8
N40-N51	Diseases of Male Genital Organs	8	0.4
N40	Hyperplasia of Prostate	5	0.3
N42	Other Disorders of Prostate	1	0.1
N49	Inflammatory Disorders of Male Genital Organs, Not Elsewhere Classified	2	0.1
N70-N77	Inflammatory Diseases of Female Pelvic Organs	1	0.1
N73	Other Female Pelvic Inflammatory Diseases	1	0.1
N80-N98	Noninflammatory Disorders of Female Genital Tract	1	0.1
N94	Pain and Other Conditions Associated with Female Genital Organs and Menstrual Cycle	1	0.1
O00-O99**	Pregnancy, Childbirth and the Puerperium	2	9.3
O10-O16	Edema, Proteinuria and Hypertensive Disorders in Pregnancy, Childbirth and the Puerperium	1	4.7
O15	Eclampsia	1	4.7
O85-O92	Complications Predominantly Related to the Puerperium	1	4.7
O90	Complications of the Puerperium, Not Elsewhere Classified	1	4.7
P00-P96	Certain Conditions Originating in the Perinatal Period	67	3.7
P00-P04	Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	10	0.6
P01	Fetus and Newborn Affected by Maternal Complications of Pregnancy	6	0.3
P02	Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes	4	0.2
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	13	0.7
P05	Slow Fetal Growth and Fetal Malnutrition	1	0.1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	12	0.7
P10-P15	Birth Trauma	1	0.1
P11	Other Birth Injuries to Central Nervous System	1	0.1
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	22	1.2
P20	Intrauterine Hypoxia	1	0.1
P21	Birth Asphyxia	3	0.2
P22	Respiratory Distress of Newborn	5	0.3
P23	Congenital Pneumonia	1	0.1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	1	0.1
P28	Other Respiratory Conditions Originating in the Perinatal Period	6	0.3
P29	Cardiovascular Disorders Originating in the Perinatal Period	5	0.3

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

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Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
P35-P39	Infections Specific to the Perinatal Period	8	0.4
P35	Congenital Viral Diseases	3	0.2
P36	Bacterial Sepsis of Newborn	5	0.3
P50-P61	Hemorrhagic and Hematological Disorders of Fetus and Newborn	4	0.2
P52	Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	2	0.1
P54	Other Neonatal Hemorrhages	1	0.1
P60	Disseminated Intravascular Coagulation of Fetus and Newborn	1	0.1
P75-P78	Digestive System Disorders of Fetus and Newborn	5	0.3
P77	Necrotizing Enterocolitis of Fetus and Newborn	4	0.2
P78	Other Perinatal Digestive System Disorders	1	0.1
P90-P96	Other Disorders Originating in the Perinatal Period	4	0.2
P91	Other Disturbances of Cerebral Status of Newborn	3	0.2
P96	Other Conditions Originating in the Perinatal Period	1	0.1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	83	4.6
Q00-Q07	Congenital Malformations of the Nervous System	15	0.8
Q00	Anencephaly and Similar Malformations	1	0.1
Q01	Encephalocele	1	0.1
Q02	Microcephaly	1	0.1
Q03	Congenital Hydrocephalus	1	0.1
Q04	Other Congenital Malformations of Brain	5	0.3
Q05	Spina Bifida	3	0.2
Q07	Other Congenital Malformations of Nervous System	3	0.2
Q20-Q28	Congenital Malformations of the Circulatory System	29	1.6
Q20	Congenital Malformations of Cardiac Chambers and Connections	4	0.2
Q21	Congenital Malformations of Cardiac Septa	8	0.4
Q23	Congenital Malformations of Aortic and Mitral Valves	6	0.3
Q24	Other Congenital Malformations of the Heart	10	0.6
Q26	Congenital Malformations of Great Veins	1	0.1
Q30-Q34	Congenital Malformations of the Respiratory System	1	0.1
Q32	Congenital Malformations of Trachea and Bronchus	1	0.1
Q60-Q64	Congenital Malformations of the Urinary System	6	0.3
Q60	Renal Agenesis and Other Reduction Defects of Kidney	2	0.1
Q61	Cystic Kidney Disease	4	0.2
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	8	0.4
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	2	0.1
Q78	Other Osteochondrodysplasias	1	0.1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	5	0.3
Q80-Q89	Other Congenital Malformations	9	0.5
Q85	Phakomatoses, Not Elsewhere Classified	2	0.1
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	1	0.1
Q89	Other Congenital Malformations, Not Elsewhere Classified	6	0.3
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	15	0.8
Q90	Down's Syndrome	8	0.4
Q91	Edwards' Syndrome and Patau's Syndrome	7	0.4
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	344	19.0
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	27	1.5
R02	Gangrene, Not Elsewhere Classified	2	0.1
R06	Abnormalities of Breathing	5	0.3
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	20	1.1
R10-R19	Symptoms and Signs Involving the Digestive System and Abdomen	2	0.1
R10	Abdominal and Pelvic Pain	1	0.1
R16	Hepatomegaly and Splenomegaly, Not Elsewhere Classified	1	0.1
R50-R69	General Symptoms and Signs	94	5.2
R53	Malaise and Fatigue	11	0.6
R54	Senility	27	1.5
R56	Convulsions, Not Elsewhere Classified	4	0.2
R57	Shock, Not Elsewhere Classified	9	0.5
R62	Lack of Expected Normal Physiological Development	30	1.7
R63	Symptoms and Signs Concerning Food and Fluid Intake	1	0.1
R68	Other General Symptoms and Signs	12	0.7

*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2008
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
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	217	12.0
R95	Sudden Infant Death Syndrome	34	1.9
R96	Other Sudden Death, Cause Unknown	1	0.1
R99	Other Ill-Defined and Unspecified Causes of Mortality	182	10.0
V01-Y98	External Causes of Morbidity and Mortality	1,707	94.1
V01-V99	Transport Accidents	383	21.1
V01-V09	Pedestrian Injured in Transport Accident	19	1.0
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	7	0.4
V04	Pedestrian Injured in Collision with Heavy Transport Vehicle or Bus	4	0.2
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	8	0.4
V10-V19	Pedal Cyclist Injured in Transport Accident	2	0.1
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	1	0.1
V20-V29	Motorcycle Rider Injured in Transport Accident	40	2.2
V20	Motorcycle Rider Injured in Collision with Pedestrian or Animal	1	0.1
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	13	0.7
V24	Motorcycle Rider Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V27	Motorcycle Rider Injured in Collision with Fixed or Stationary Object	8	0.4
V28	Motorcycle Rider Injured in Noncollision Transport Accident	13	0.7
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	4	0.2
V30-V39	Occupant of Three-Wheeled Motor Vehicle Injured in Transport Accident	1	0.1
V32	Occupant of Three-Wheeled Motor Vehicle Injured in Collision with Two- or Three-Wheeled Motor Vehicle	1	0.1
V40-V49	Car Occupant Injured in Transport Accident	59	3.3
V42	Car Occupant Injured in Collision with Two- or Three-Wheeled Motor Vehicle	1	0.1
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	17	0.9
V44	Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus	4	0.2
V45	Car Occupant Injured in Collision with Railway Train or Railway Vehicle	2	0.1
V47	Car Occupant Injured in Collision with Fixed or Stationary Object	5	0.3
V48	Car Occupant Injured in Noncollision Transport Accident	22	1.2
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	8	0.4
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	21	1.2
V54	Occupant of Pickup or Van Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V57	Occupant of Pickup or Van Injured in Collision with Fixed or Stationary Object	8	0.4
V58	Occupant of Pickup or Van Injured in Noncollision Transport Accident	9	0.5
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	4	0.2
V68	Occupant of Heavy Transport Vehicle Injured in Noncollision Transport Accident	4	0.2
V80-V89	Other Land Transport Accidents	234	12.9
V84	Occupant of Special Vehicle Mainly Used in Agriculture Injured in Transport Accident	1	0.1
V85	Occupant of Special Construction Vehicle Injured in Transport Accident	3	0.2
V86	Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident	28	1.5
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	49	2.7
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	153	8.4
V90-V94	Water Transport Accidents	2	0.1
V90	Accident to Watercraft Causing Drowning and Submersion	1	0.1
V92	Water-Transport-Related Drowning and Submersion without Accident to Watercraft	1	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	795	43.8
W00-W19	Falls	194	10.7
W00	Fall on Same Level Involving Ice and Snow	1	0.1
W01	Fall on Same Level from Slipping, Tripping and Stumbling	2	0.1
W04	Fall while Being Carried or Supported by Other Persons	1	0.1
W05	Fall Involving Wheelchair	2	0.1
W06	Fall Involving Bed	9	0.5
W07	Fall Involving Chair	4	0.2
W08	Fall Involving Other Furniture	1	0.1
W10	Fall on and from Stairs and Steps	30	1.7

*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2008
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
W11	Fall on and from Ladder	4	0.2
W12	Fall on and from Scaffolding	2	0.1
W13	Fall from, out of or through Building or Structure	7	0.4
W14	Fall from Tree	1	0.1
W15	Fall from Cliff	1	0.1
W17	Other Fall from One Level to Another	6	0.3
W18	Other Fall on Same Level	86	4.7
W19	Unspecified Fall	37	2.0
W20-W49	Exposure to Inanimate Mechanical Forces	36	2.0
W20	Struck by Thrown, Projected or Falling Object	7	0.4
W22	Striking against or Struck by Other Objects	1	0.1
W23	Caught, Crushed, Jammed or Pinched in or between Objects	1	0.1
W28	Contact with Powered Lawnmower	1	0.1
W30	Contact with Agricultural Machinery	7	0.4
W31	Contact with Other and Unspecified Machinery	14	0.8
W34	Discharge from Other and Unspecified Firearms	2	0.1
W40	Explosion of Other Materials	3	0.2
W65-W74	Accidental Drowning and Submersion	29	1.6
W65	Drowning and Submersion while in Bathtub	6	0.3
W67	Drowning and Submersion while in Swimming Pool	1	0.1
W69	Drowning and Submersion while in Natural Water	11	0.6
W70	Drowning and Submersion Following Fall in Natural Water	7	0.4
W73	Other Specified Drowning and Submersion	1	0.1
W74	Unspecified Drowning and Submersion	3	0.2
W75-W84	Other Accidental Threats to Breathing	34	1.9
W75	Accidental Suffocation and Strangulation in Bed	9	0.5
W76	Other Accidental Hanging and Strangulation	1	0.1
W78	Inhalation of Gastric Contents	1	0.1
W79	Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	5	0.3
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	7	0.4
W83	Other Specified Threats to Breathing	1	0.1
W84	Unspecified Threat to Breathing	10	0.6
W85-W99	Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure	8	0.4
W85	Exposure to Electric Transmission Lines	2	0.1
W86	Exposure to Other Specified Electric Current	5	0.3
W87	Exposure to Unspecified Electric Current	1	0.1
X00-X09	Exposure to Smoke, Fire and Flames	23	1.3
X06	Exposure to Ignition or Melting of Other Clothing and Apparel	4	0.2
X08	Exposure to Other Specified Smoke, Fire and Flames	18	1.0
X09	Exposure to Unspecified Smoke, Fire and Flames	1	0.1
X10-X19	Contact with Heat and Hot Substances	1	0.1
X10	Contact with Hot Drinks, Food, Fats and Cooking Oils	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	12	0.7
X30	Exposure to Excessive Natural Heat	3	0.2
X31	Exposure to Excessive Natural Cold	9	0.5
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	444	24.5
X40	Accidental Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	6	0.3
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	20	1.1
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	95	5.2
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	311	17.1
X45	Accidental Poisoning by Alcohol	7	0.4
X47	Accidental Poisoning by Other Gases and Vapors	3	0.2
X49	Accidental Poisoning by Other and Unspecified Chemicals and Noxious Substances	2	0.1
X58-X59	Accidental Exposure to Other and Unspecified Factors	11	0.6
X59	Exposure to Unspecified Factors	11	0.6
X60-X84	Intentional Self-Harm	284	15.7
X60	Intentional Self-Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	4	0.2

*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.

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Causes of Resident Deaths: Number and Rate
West Virginia, 2008
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
X61	Intentional Self-Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs	7	0.4
X62	Intentional Self-Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	3	0.2
X64	Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	18	1.0
X65	Intentional Self-Poisoning by Alcohol	1	0.1
X66	Intentional Self-Poisoning by Organic Solvents and Halogenated Hydrocarbons and Their Vapors	1	0.1
X67	Intentional Self-Poisoning by Other Gases and Vapors	7	0.4
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	41	2.3
X71	Intentional Self-Harm by Drowning and Submersion	2	0.1
X72	Intentional Self-Harm by Handgun Discharge	68	3.7
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	44	2.4
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	78	4.3
X78	Intentional Self-Harm by Sharp Object	3	0.2
X80	Intentional Self-Harm by Jumping from a High Place	5	0.3
X81	Intentional Self-Harm by Jumping or Lying Before a Moving Object	1	0.1
X82	Intentional Self-Harm by Crashing a Motor Vehicle	1	0.1
X85-Y09	Assault	76	4.2
X85	Assault by Drugs, Medicaments and Biological Substances	2	0.1
X88	Assault by Gases and Vapors	2	0.1
X91	Assault by Hanging, Strangulation and Suffocation	3	0.2
X93	Assault by Handgun Discharge	4	0.2
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	9	0.5
X95	Assault by Other and Unspecified Firearm Discharge	25	1.4
X97	Assault by Smoke, Fire and Flames	3	0.2
X99	Assault by Sharp Object	7	0.4
Y00	Assault by Blunt Object	4	0.2
Y04	Assault by Bodily Force	3	0.2
Y05	Sexual Assault by Bodily Force	1	0.1
Y06	Neglect and Abandonment	1	0.1
Y07	Other Maltreatment Syndromes	2	0.1
Y08	Assault by Other Specified Means	4	0.2
Y09	Assault by Unspecified Means	6	0.3
Y10-Y34	Event of Undetermined Intent	106	5.8
Y10	Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics, Undetermined Intent	1	0.1
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined Intent	6	0.3
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent	8	0.4
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	24	1.3
Y17	Poisoning by Other Gases and Vapors, Undetermined Intent	1	0.1
Y19	Poisoning by Other and Unspecified Chemicals and Noxious Substances, Undetermined Intent	1	0.1
Y21	Drowning and Submersion, Undetermined Intent	3	0.2
Y22	Handgun Discharge, Undetermined Intent	1	0.1
Y24	Other and Unspecified Firearm Discharge, Undetermined Intent	3	0.2
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	19	1.0
Y31	Falling, Lying or Running Before or into Moving Object, Undetermined Intent	4	0.2
Y32	Crashing of Motor Vehicle, Undetermined Intent	1	0.1
Y33	Other Specified Events, Undetermined Intent	13	0.7
Y34	Unspecified Event, Undetermined Intent	21	1.2
Y35-Y36	Legal Intervention and Operations of War	4	0.2
Y35	Legal Intervention	4	0.2
Y40-Y84	Complications of Medical and Surgical Care	41	2.3
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	5	0.3
Y44	Agents Primarily Affecting Blood Constituents	4	0.2
Y52	Agents Primarily Affecting the Cardiovascular System	1	0.1
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	36	2.0
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	30	1.7
Y84	Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	6	0.3
Y85-Y89	Sequelae of External Causes of Morbidity and Mortality	18	1.0
Y85	Sequelae of Transport Accidents	7	0.4
Y86	Sequelae of Other Accidents	10	0.6
Y87	Sequelae of Intentional Self-Harm, Assault and Event of Undetermined Intent	1	0.1

*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.

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Selected Causes of Resident Deaths: Number by Race and Gender
West Virginia, 2008
Table 24

Selected Causes of Death	Number by Race and Gender						Total
	White or Caucasian*		Black or African American		All Other Races		
	Male	Female	Male	Female	Male	Female	
Fetal Deaths	40	47	4	2	1	0	94
Total Deaths, All Causes	10,314	10,550	340	312	16	19	21,551
--Deaths Under One Year	79	70	12	5	0	0	166
--Deaths Under 28 Days	45	39	8	4	0	0	96
Tuberculosis	1	0	0	0	0	0	1
Septicemia	162	178	9	8	1	0	358
Human Immunodeficiency Virus Infection	17	2	2	8	0	0	29
Malignant Neoplasms	2,406	2,089	75	64	3	5	4,642
--of Digestive Organs	547	396	14	10	0	2	969
----Colon	167	158	6	4	0	1	336
----Pancreas	122	97	1	2	0	0	222
--of Respiratory and Intrathoracic Organs	854	642	24	16	0	0	1,536
----Trachea, Bronchus, and Lung	814	634	22	16	0	0	1,486
--of Breast	2	290	0	14	0	0	306
--of Genitourinary Organs	324	275	18	9	1	1	628
----Cervix Uteri	0	24	0	1	0	0	25
----Ovary	0	99	0	0	0	1	100
----Prostate	171	0	15	0	1	0	187
----Bladder	82	36	0	1	0	0	119
--All Other (Malignant Neoplasms)	679	486	19	15	2	2	1,203
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	56	45	0	1	0	0	102
Diabetes Mellitus	356	352	21	10	1	2	742
Dementia	224	509	9	10	0	0	752
Alzheimer's Disease	174	472	6	9	0	1	662
Major Cardiovascular Disease	3,080	3,560	96	106	6	9	6,857
--Diseases of the Heart	2,473	2,689	73	66	3	5	5,309
----Ischemic Heart Disease	1,762	1,656	51	44	2	4	3,519
--Essential Hypertension and Hypertensive Renal Disease	95	121	8	10	1	1	236
--Cerebrovascular Diseases (Stroke)	400	602	14	26	2	3	1,047
--Arteriosclerosis	28	59	1	2	0	0	90
--Other Diseases of Arteries, Arterioles, and Capillaries	84	89	0	2	0	0	175
Influenza and Pneumonia	200	199	3	3	0	0	405
--Influenza	11	9	0	1	0	0	21
--Pneumonia	189	190	3	2	0	0	384
Chronic Lower Respiratory Diseases	742	831	17	13	0	0	1,603
--Bronchitis, Emphysema, and Asthma	55	80	2	1	0	0	138
Lung Diseases due to External Agents	147	62	2	2	0	0	213
--Coal Worker's Pneumoconiosis	63	1	2	0	0	0	66
Chronic Liver Disease and Cirrhosis	152	68	4	1	0	0	225
Nephritis, Nephrotic Syndrome, and Nephrosis	242	234	10	13	1	0	500
Congenital Malformations	39	39	3	2	0	0	83
Ill-Defined and Unknown Causes of Death	108	100	4	5	0	0	217
Accidents, All Forms	758	414	17	6	0	0	1,195
--Motor Vehicle	265	111	2	2	0	0	380
--Falls	88	103	3	0	0	0	194
--Drownings	15	12	2	0	0	0	29
--Smoke, Fire, and Flames	9	13	1	0	0	0	23
--Poisonings	282	151	8	3	0	0	444
--Other Accidents	99	24	1	1	0	0	125
Intentional Self-Harm (Suicide)	219	60	4	0	0	1	284
Assault (Homicide)	46	24	3	4	0	0	77
Injury Undetermined Whether Accidental or Purposely Inflicted	66	37	2	1	0	0	106
All Other Causes (Residual)	1,119	1,275	53	46	4	1	2,498

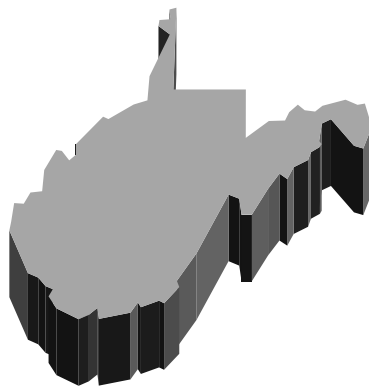
Selected Causes of Resident Deaths by Age Group
West Virginia, 2008
Table 25

Selected Causes of Death	Total	Age In Years										Average Age at Death
		Less Than One	1-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over	
Total Deaths, All Causes	21,551	166	70	219	356	683	1,536	2,793	3,869	6,091	5,768	72.5
--Deaths Under One Year	166	166	0	0	0	0	0	0	0	0	0	0.1
--Deaths Under 28 Days	96	96	0	0	0	0	0	0	0	0	0	0.0
Tuberculosis	1	0	0	0	0	0	0	1	0	0	0	58.0
Septicemia	358	0	1	1	3	11	16	49	65	132	80	74.2
Human Immunodeficiency Virus Infection	29	0	0	1	3	13	8	3	1	0	0	44.9
Malignant Neoplasms	4,642	2	9	12	24	92	414	932	1,194	1,356	607	70.3
--of Digestive Organs	969	0	0	0	9	15	92	211	218	275	149	70.6
----Colon	336	0	0	0	3	3	18	74	58	118	62	73.0
----Pancreas	222	0	0	0	2	3	27	41	49	69	31	70.4
--of Respiratory and Intrathoracic Organs	1,536	0	0	2	0	16	123	314	504	463	114	70.1
----Trachea, Bronchus, and Lung	1,486	0	0	1	0	16	119	302	482	455	111	70.2
--of Breast	306	0	0	0	0	15	44	73	58	60	56	68.3
--of Genitourinary Organs	628	0	1	1	4	12	42	102	148	202	116	72.7
----Cervix Uteri	25	0	0	0	1	4	7	5	3	3	2	58.1
----Ovary	100	0	0	0	2	4	4	24	27	26	13	69.6
----Prostate	187	0	0	0	0	0	2	19	45	72	49	77.6
----Bladder	119	0	0	0	0	0	5	17	23	48	26	76.2
--All Other (Malignant Neoplasms)	1,203	2	8	9	11	34	113	232	266	356	172	69.5
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	102	0	0	0	1	1	6	6	21	35	32	76.9
Diabetes Mellitus	742	0	0	2	8	15	60	133	170	210	144	71.8
Dementia	752	0	0	0	0	1	0	12	46	232	461	85.8
Alzheimer's Disease	662	0	0	0	0	0	2	7	37	253	363	85.1
Major Cardiovascular Disease	6,857	1	1	6	30	104	325	716	1,093	2,022	2,559	77.8
--Diseases of the Heart	5,309	1	1	5	25	88	272	569	842	1,545	1,961	77.5
----Ischemic Heart Disease	3,519	0	0	0	13	61	209	410	593	1,047	1,186	76.7
--Essential Hypertension and Hypertensive Renal Disease	236	0	0	0	1	2	11	28	37	66	91	78.5
--Cerebrovascular Diseases (Stroke)	1,047	0	0	1	2	12	36	98	168	324	406	78.8
--Arteriosclerosis	90	0	0	0	0	0	1	6	8	22	53	84.0
--Other Diseases of Arteries, Arterioles, and Capillaries	175	0	0	0	2	2	5	15	38	65	48	76.6
Influenza and Pneumonia	405	0	0	1	3	6	24	38	57	127	149	78.0
--Influenza	21	0	0	0	0	1	3	0	1	6	10	77.7
--Pneumonia	384	0	0	1	3	5	21	38	56	121	139	78.0
Chronic Lower Respiratory Diseases	1,603	0	1	0	1	9	55	205	387	598	347	75.6
--Bronchitis, Emphysema, and Asthma	138	0	1	0	1	1	10	26	34	40	25	71.8
Lung Diseases due to External Agents	213	0	0	0	0	2	5	13	41	74	78	86.1
--Coal Worker's Pneumoconiosis	66	0	0	0	0	0	2	5	23	22	14	76.1
Chronic Liver Disease and Cirrhosis	225	0	0	0	2	22	53	58	48	34	8	61.2
Nephritis, Nephrotic Syndrome, and Nephrosis	500	0	1	0	1	12	15	55	107	171	138	76.3
Congenital Malformations	83	40	8	6	3	6	8	3	2	3	4	21.2
Ill-Defined and Unknown Causes of Death	217	37	1	2	6	4	10	30	37	43	47	60.2
Accidents, All Forms	1,195	10	21	128	174	208	222	129	76	135	92	49.3
--Motor Vehicle	380	0	11	78	62	59	50	45	30	35	10	43.8
--Falls	194	0	1	1	1	7	10	17	26	69	62	76.5
--Drownings	29	2	1	3	5	3	6	3	3	3	0	43.4
--Smoke, Fire, and Flames	23	1	2	0	1	2	1	3	2	9	2	59.4
--Poisonings	444	0	1	39	97	121	135	46	1	4	0	40.8
--Other Accidents	125	7	5	7	8	16	20	15	14	15	18	53.5
Intentional Self-Harm (Suicide)	284	0	0	32	42	62	57	44	24	13	10	46.9
Assault (Homicide)	77	2	9	9	13	13	14	5	9	3	0	39.2
Injury Undetermined Whether Accidental or Purposely Inflicted	106	4	6	4	16	23	26	16	6	4	1	42.7
All Other Causes (Residual)	2,498	70	12	15	26	79	216	338	448	646	648	70.6

Selected Causes of Resident Deaths by Month of Occurrence
West Virginia, 2008
Table 26

Selected Causes of Death	Number of Deaths per Month												Total
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
Fetal Deaths	11	8	10	4	7	8	5	8	11	6	2	14	94
Total Deaths, All Causes	1,888	1,960	2,097	1,749	1,793	1,618	1,728	1,640	1,678	1,675	1,764	1,961	21,551
--Deaths Under One Year	15	15	9	10	13	15	15	13	11	16	14	20	166
--Deaths Under 28 Days	10	8	2	4	9	9	9	7	8	12	7	11	96
Tuberculosis	1	0	0	0	0	0	0	0	0	0	0	0	1
Septicemia	27	41	31	31	27	16	21	29	31	32	31	41	358
Human Immunodeficiency Virus Infection	3	4	2	1	4	1	1	2	5	2	2	2	29
Malignant Neoplasms	406	376	402	374	385	358	414	391	403	372	335	426	4,642
--of Digestive Organs	77	68	80	91	68	94	90	88	76	81	64	92	969
----Colon	23	23	30	34	30	35	26	27	20	30	22	36	336
----Pancreas	20	15	20	22	11	19	21	18	21	22	13	20	222
--of Respiratory and Intrathoracic Organs	145	123	122	120	147	121	119	120	152	126	110	131	1,536
----Trachea, Bronchus, and Lung	143	119	117	114	145	116	113	118	144	122	107	128	1,486
--of Breast	29	30	22	19	26	19	30	27	20	24	24	36	306
--of Genitourinary Organs	54	61	68	48	49	47	52	52	51	48	44	54	628
----Cervix Uteri	2	5	1	4	1	1	3	1	2	2	3	0	25
----Ovary	9	11	7	12	4	8	5	11	7	12	7	7	100
----Prostate	20	16	26	8	11	15	17	13	20	11	13	17	187
----Bladder	5	10	12	9	10	13	11	10	8	4	8	19	119
--All Other (Malignant Neoplasms)	101	94	110	96	95	77	123	104	104	93	93	113	1,203
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	8	7	10	6	7	6	12	5	11	5	11	14	102
Diabetes Mellitus	64	67	79	70	68	52	64	58	48	65	60	47	742
Dementia	57	78	79	53	70	47	61	61	50	56	56	84	752
Alzheimer's Disease	62	64	62	49	58	45	47	64	48	48	47	68	662
Major Cardiovascular Disease	606	619	668	571	597	551	531	477	527	516	583	611	6,857
--Diseases of the Heart	457	471	519	456	477	423	410	369	405	411	454	457	5,309
----Ischemic Heart Disease	324	301	347	308	311	275	280	246	259	268	304	296	3,519
--Essential Hypertension and Hypertensive Renal Disease	27	23	24	21	22	23	15	7	14	13	21	26	236
--Cerebrovascular Diseases (Stroke)	100	104	108	68	77	77	89	78	89	76	83	98	1,047
--Arteriosclerosis	5	12	6	7	5	10	7	7	4	7	7	13	90
--Other Diseases of Arteries, Arterioles, and Capillaries	17	9	11	19	16	18	10	16	15	9	18	17	175
Influenza and Pneumonia	40	56	70	24	29	26	23	25	20	26	33	33	405
--Influenza	3	8	7	1	0	0	0	0	0	0	1	1	21
--Pneumonia	37	48	63	23	29	26	23	25	20	26	32	32	384
Chronic Lower Respiratory Diseases	152	151	188	136	117	133	129	88	92	122	152	143	1,603
--Bronchitis, Emphysema, and Asthma	17	13	16	10	9	12	13	10	6	5	12	15	138
Lung Diseases due to External Agents	17	25	22	15	14	17	14	17	17	16	19	20	213
--Coal Worker's Pneumoconiosis	4	8	7	1	4	10	6	5	3	7	6	5	66
Chronic Liver Disease and Cirrhosis	12	17	20	11	22	15	19	17	24	21	31	16	225
Nephritis, Nephrotic Syndrome, and Nephrosis	54	57	43	47	34	36	31	35	35	37	50	41	500
Congenital Malformations	14	7	9	4	6	3	4	8	2	11	9	6	83
Ill-Defined and Unknown Causes of Death	21	21	18	18	17	19	12	20	20	16	16	19	217
Accidents, All Forms	99	89	109	99	93	95	83	114	104	93	93	124	1,195
--Motor Vehicle	27	24	29	32	20	28	28	54	35	35	28	40	380
--Falls	19	12	16	18	18	17	16	14	16	14	17	17	194
--Drownings	1	1	3	0	6	3	5	3	4	3	0	0	29
--Smoke, Fire, and Flames	5	3	0	1	3	1	1	0	1	2	4	2	23
--Poisonings	37	36	50	32	39	34	28	34	38	30	36	50	444
--Other Accidents	10	13	11	16	7	12	5	9	10	9	8	15	125
Intentional Self-Harm (Suicide)	24	30	19	20	25	26	28	21	30	21	18	22	284
Assault (Homicide)	6	10	7	6	4	8	7	12	2	5	2	8	77
Injury Undetermined Whether Accidental or Purposely Inflicted	9	7	10	10	13	8	5	7	10	9	7	11	106
All Other Causes (Residual)	206	234	249	204	203	156	222	189	199	202	209	225	2,498

West Virginia Bureau for Public Health
Health Statistics Center, 2010



West Virginia Vital Statistics
Infant & Fetal Death

Infant and Fetal Death Summary

Deaths of infants under one year of age rose by three, from 163 in 2007 to 166 in 2008. West Virginia's infant mortality rate also rose, from 7.4 per 1,000 live births in 2007 to 7.7 in 2008. The U.S. infant mortality was 6.8 in 2007 (the latest data available).

The following table shows the decline in the national and state infant mortality rates from 1950 through 2008.

**1950 – 2008 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
2000	7.6	6.9
2001	7.3	6.9
2002	9.1	7.0
2003	7.3	6.9
2004	7.6	6.8
2005	8.1	6.9
2006	7.4	6.7
2007	7.4	6.8
2008	7.7	

The state's 2008 white infant mortality rate increased from 6.9 in 2007 to 7.3, while the rate for black infants decreased slightly from 22.0 to 20.9 (see Statistical Variation in Appendix B, page 155). West Virginia's 2008 race-specific infant mortality rates and comparable 2007 U.S. rates are shown in the table on the following page.

**2008 West Virginia and 2007 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	166	7.7	29,138	6.8
White	149	7.3	18,807	5.6
Black	17	20.9	8,944	13.1
Other	0	0.0	1,387	4.6

Approximately one out of five (20.5%) infant deaths in 2008 were due to SIDS (sudden infant death syndrome). Approximately one in four (24.1%) was the result of congenital malformations, while 40.4% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (7.2%).

Neonatal/Postneonatal Deaths

The number of neonatal deaths dropped by seven, from 103 in 2007 to 96 in 2008; the neonatal death rate also decreased, from 4.7 deaths among infants aged less than 28 days per 1,000 live births in 2007 to 4.5 in 2008. Neonatal deaths comprised 57.8% of all West Virginia resident infant deaths in 2008, compared with 63.2% in 2007. The rate of postneonatal deaths increased from 2.7 deaths per 1,000 neonatal survivors in 2007 to 3.3 in 2008. The 2007 U.S. neonatal death rate was 4.4, while the postneonatal rate was 2.4 deaths per 1,000 neonatal survivors. U.S. neonatal and postneonatal data for 2008 were not available at the time of publication.

Fetal Deaths

The 94 resident fetal deaths occurring after 20 or more weeks of gestation reported in 2008 were 22 fewer than in 2007 (116). The fetal death ratio also decreased, from 5.3 deaths per 1,000 live births in 2007 to 4.4 in 2008. The majority (89.4%) of fetal deaths were due to conditions originating in the perinatal period, including complications of placenta, cord, and membrane (37.2%), maternal conditions (6.4%), maternal complications (9.6%), short gestation and low birthweight (6.4%), and other ill-defined perinatal conditions (20.2%). Congenital malformations accounted for 10.6% of all fetal deaths.

Fetal Deaths, Neonatal Deaths, and Postneonatal Deaths: Number and Rate/Ratio
West Virginia Resident Deaths, 1925-2008

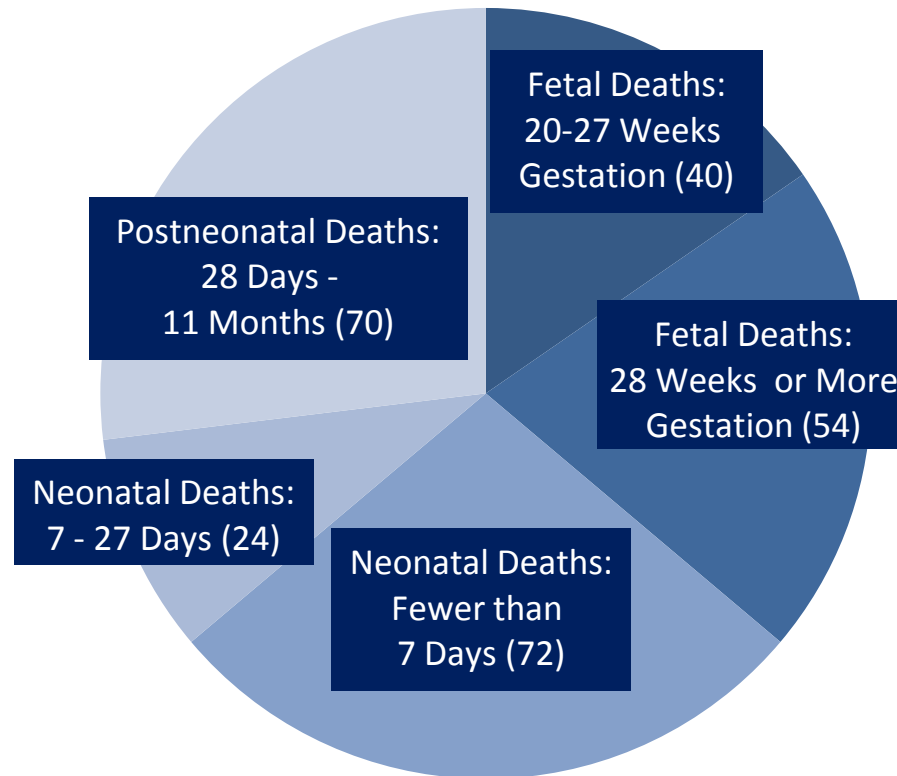
Table 27

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 Live Births	Rate per 1,000 Neonatal Survivors*
1925	1,740	38.5	N/A	N/A	N/A	N/A	N/A
1930	1,547	37.2	N/A	N/A	N/A	N/A	N/A
1935	1,647	39.4	1,467	35.1	1,071	25.6	26.6
1940	1,483	35.4	1,321	31.5	937	22.4	23.1
1945	1,594	41.5	1,085	28.2	928	24.1	24.8
1950	1,126	22.1	1,184	23.3	665	13.1	13.4
1955	813	18.4	847	19.2	351	7.9	8.1
1960	583	14.7	713	18.0	292	7.4	7.5
1965	575	18.0	649	20.3	218	6.8	7.0
1970	513	17.0	542	18.0	163	5.4	5.5
1975	323	11.6	385	13.8	128	4.6	4.6
1980	275	9.3	235	8.0	112	3.8	3.8
1985	208	8.6	175	7.3	82	3.4	3.4
1990	168	7.4	142	6.3	80	3.5	3.6
1995	143	6.8	103	4.9	57	2.7	2.7
2000	142	6.8	103	4.9	56	2.7	2.7
2005	115	5.5	106	5.1	62	3.0	3.0
2006	120	5.7	81	3.9	74	3.5	3.5
2007	116	5.3	103	4.7	60	2.7	2.7
2008	94	4.4	96	4.5	70	3.3	3.3

*Neonatal survivors are live births minus neonatal deaths.

Fetal Deaths, Neonatal Deaths, and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2008

Exhibit 14



Causes of Resident Infant Deaths by Age
West Virginia, 2008
Table 28

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	49	23	24	70	166
C00-D48	Neoplasms	0	0	0	2	2
C00-C97	Malignant Neoplasms	0	0	0	2	2
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	0	0	0	1	1
C71	Malignant Neoplasm of Brain	0	0	0	1	1
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	0	0	0	1	1
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	0	0	0	1	1
G00-G99	Diseases of the Nervous System	0	0	0	1	1
G10-G13	Systemic Atrophies Primarily Affecting the Central Nervous System	0	0	0	1	1
G12	Spinal Muscular Atrophy and Related Syndromes	0	0	0	1	1
I00-I99	Diseases of the Circulatory System	0	0	0	1	1
I00-I09, I11, I13, I20-I51	Diseases of the Heart	0	0	0	1	1
I30-I52	Other forms of Heart Diseases	0	0	0	1	1
I50	Heart Failure	0	0	0	1	1
P00-P96	Certain Conditions Originating in the Perinatal Period	35	17	8	7	67
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	9	1	0	0	10
P01	Newborn Affected by Maternal Complications of Pregnancy	6	0	0	0	6
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	2	0	0	0	2
P01.5	Multiple Pregnancy	3	0	0	0	3
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	3	1	0	0	4
P02.3	Placental Transfusion Syndromes	1	0	0	0	1
P02.7	Chorioamnionitis	2	1	0	0	3
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	11	1	1	0	13
P05	Slow Fetal Growth and Fetal Malnutrition	0	0	1	0	1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	11	1	0	0	12
P07.2	Extreme Immaturity	8	0	0	0	8
P07.3	Other Preterm Infants	3	1	0	0	4
P10-P15	Birth Trauma	0	0	0	1	1
P11	Other Birth Injuries to Central Nervous System	0	0	0	1	1
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	12	5	3	2	22
P20	Intrauterine Hypoxia	1	0	0	0	1
P21	Birth Asphyxia	0	3	0	0	3
P22	Respiratory Distress of Newborn	1	2	2	0	5
P22.0	Respiratory Distress Syndrome	1	2	2	0	5
P23	Congenital Pneumonia	0	0	0	1	1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	0	0	0	1	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	5	0	1	0	6
P29	Cardiovascular Disorders Originating in the Perinatal Period	5	0	0	0	5
P29.0	Neonatal Cardiac Failure	2	0	0	0	2
P29.1	Neonatal Cardiac Dysrhythmia	3	0	0	0	3
P35-P39	Infections Specific to the Perinatal Period	1	4	3	0	8
P35	Congenital Viral Diseases	0	1	2	0	3
P36	Bacterial Sepsis of Newborn	1	3	1	0	5
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	1	2	0	1	4
P52	Intracranial Nontraumatic Hemorrhage of Newborn	0	2	0	0	2
P54	Other Neonatal Hemorrhages	1	0	0	0	1
P60	Disseminated Intravascular Coagulation of Newborn	0	0	0	1	1
P75-P78	Digestive System Disorders of Newborn	0	2	1	2	5
P77	Necrotizing Enterocolitis of Newborn	0	2	0	2	4
P78	Other Perinatal Digestive System Disorders	0	0	1	0	1

Causes of Resident Infant Deaths by Age
West Virginia, 2008
Table 28 (Cont'd)

ICDA 10 Code Number	Cause of Death	Under 1 Day	1 to 6 Days	7 to 27 Days	28 Days to 11 Months	Total
P90-P96	Other Disorders Originating in the Perinatal Period	1	2	0	1	4
P91	Other Disturbances of Cerebral Status of Newborn	0	2	0	1	3
P96	Other Conditions Originating in the Perinatal Period	1	0	0	0	1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	13	5	9	13	40
Q00-Q07	Congenital Malformations of the Nervous System	2	1	2	1	6
Q00	Anencephaly and Similar Malformations	1	0	0	0	1
Q02	Microcephaly	0	0	1	0	1
Q04	Other Congenital Malformations of Brain	1	0	1	1	3
Q07	Other Congenital Malformations of Nervous System	0	1	0	0	1
Q20-Q28	Congenital Malformations of the Circulatory System	1	2	5	5	13
Q20	Congenital Malformations of Cardiac Chambers and Connections	1	0	0	1	2
Q23	Congenital Malformations of Aortic and Mitral Valves	0	1	3	1	5
Q24	Other Congenital Malformations of the Heart	0	0	2	3	5
Q26	Congenital Malformations of Great Veins	0	1	0	0	1
Q30-Q34	Congenital Malformations of the Respiratory System	0	0	0	1	1
Q32	Congenital Malformations of Trachea and Bronchus	0	0	0	1	1
Q60-Q64	Congenital Malformations of the Urinary System	3	0	0	0	3
Q60	Renal Agenesis and Other Reduction Defects of Kidney	2	0	0	0	2
Q61	Cystic Kidney Disease	1	0	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	4	1	1	1	7
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	1	1	0	0	2
Q78	Other Osteochondrodysplasias	1	0	0	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	2	0	1	1	4
Q80-Q89	Other Congenital Malformations	2	0	0	2	4
Q89	Other Congenital Malformations, Not Elsewhere Classified	2	0	0	2	4
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	1	1	1	3	6
Q91	Edwards' Syndrome and Patau's Syndrome	1	1	1	3	6
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	0	5	32	37
R95-R99	Ill-Defined and Unknown Causes of Mortality	0	0	5	32	37
R95	Sudden Infant Death Syndrome	0	0	5	29	34
R99	Other Ill-Defined and Unspecified Causes of Mortality	0	0	0	3	3
V01-Y98	External Causes of Morbidity and Mortality	1	1	2	14	18
W00-X59	Other External Causes of Accidental Injury	1	1	1	7	10
W65-W74	Accidental Drowning and Submersion	1	0	0	1	2
W65	Drowning and Submersion while in Bathtub	0	0	0	1	1
W73	Other Specified Drowning and Submersion	1	0	0	0	1
W75-W84	Other Accidental Threats to Breathing	0	1	1	5	7
W75	Accidental Suffocation and Strangulation in Bed	0	1	1	5	7
X00-X09	Exposure to Smoke, Fire and Flames	0	0	0	1	1
X08	Exposure to Other Specified Smoke, Fire and Flames	0	0	0	1	1
X85-Y09	Assault	0	0	0	2	2
Y00	Assault by Blunt Object	0	0	0	1	1
Y07	Other Maltreatment Syndromes	0	0	0	1	1
Y10-Y34	Event of Undetermined Intent	0	0	1	3	4
Y33	Other Specified Events, Undetermined Intent	0	0	1	2	3
Y34	Unspecified Event, Undetermined Intent	0	0	0	1	1
Y40-Y84	Complications of Medical and Surgical Care	0	0	0	2	2
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	0	0	0	2	2
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	0	0	0	1	1

West Virginia Bureau for Public Health
Health Statistics Center, 2010

Causes of Resident Infant Deaths by Birthweight
West Virginia, 2008
Table 29

ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500 Grams	1,500 - 2,499 Grams	2,500 Grams or More	Un-known	
A00-Z99	Total Deaths, All Causes	64	25	75	2	166
C00-D48	Neoplasms	0	0	2	0	2
C00-C97	Malignant Neoplasms	0	0	2	0	2
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	0	0	1	0	1
C71	Malignant Neoplasm of Brain	0	0	1	0	1
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	0	0	1	0	1
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	0	0	1	0	1
G00-G99	Diseases of the Nervous System	0	0	0	1	1
G10-G13	Systemic Atrophies Primarily Affecting the Central Nervous System	0	0	0	1	1
G12	Spinal Muscular Atrophy and Related Syndromes	0	0	0	1	1
I00-I99	Diseases of the Circulatory System	0	0	1	0	1
I00-I09, I11, I13, I20-I51	Diseases of the Heart	0	0	1	0	1
I30-I52	Other forms of Heart Diseases	0	0	1	0	1
I50	Heart Failure	0	0	1	0	1
P00-P96	Certain Conditions Originating in the Perinatal Period	54	5	8	0	67
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	10	0	0	0	10
P01	Newborn Affected by Maternal Complications of Pregnancy	6	0	0	0	6
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	2	0	0	0	2
P01.5	Multiple Pregnancy	3	0	0	0	3
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	4	0	0	0	4
P02.3	Placental Transfusion Syndromes	1	0	0	0	1
P02.7	Chorioamnionitis	3	0	0	0	3
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	13	0	0	0	13
P05	Slow Fetal Growth and Fetal Malnutrition	1	0	0	0	1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	12	0	0	0	12
P07.2	Extreme Immaturity	8	0	0	0	8
P07.3	Other Preterm Infants	4	0	0	0	4
P10-P15	Birth Trauma	0	0	1	0	1
P11	Other Birth Injuries to Central Nervous System	0	0	1	0	1
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	20	2	0	0	22
P20	Intrauterine Hypoxia	1	0	0	0	1
P21	Birth Asphyxia	2	1	0	0	3
P22	Respiratory Distress of Newborn	5	0	0	0	5
P22.0	Respiratory Distress Syndrome	5	0	0	0	5
P23	Congenital Pneumonia	1	0	0	0	1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	1	0	0	0	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	5	1	0	0	6
P29	Cardiovascular Disorders Originating in the Perinatal Period	5	0	0	0	5
P29.0	Neonatal Cardiac Failure	2	0	0	0	2
P29.1	Neonatal Cardiac Dysrhythmia	3	0	0	0	3
P35-P39	Infections Specific to the Perinatal Period	4	1	3	0	8
P35	Congenital Viral Diseases	1	1	1	0	3
P36	Bacterial Sepsis of Newborn	3	0	2	0	5
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	2	1	1	0	4
P52	Intracranial Nontraumatic Hemorrhage of Newborn	2	0	0	0	2
P54	Other Neonatal Hemorrhages	0	0	1	0	1
P60	Disseminated Intravascular Coagulation of Newborn	0	1	0	0	1
P75-P78	Digestive System Disorders of Newborn	4	1	0	0	5
P77	Necrotizing Enterocolitis of Newborn	3	1	0	0	4
P78	Other Perinatal Digestive System Disorders	1	0	0	0	1

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Causes of Resident Infant Deaths by Birthweight
West Virginia, 2008
Table 29 (Cont'd)

ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500 Grams	1,500 - 2,499 Grams	2,500 Grams or More	Un- known	
P90-P96	Other Disorders Originating in the Perinatal Period	1	0	3	0	4
P91	Other Disturbances of Cerebral Status of Newborn	0	0	3	0	3
P96	Other Conditions Originating in the Perinatal Period	1	0	0	0	1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	9	15	16	0	40
Q00-Q07	Congenital Malformations of the Nervous System	2	2	2	0	6
Q00	Anencephaly and Similar Malformations	0	1	0	0	1
Q02	Microcephaly	0	0	1	0	1
Q04	Other Congenital Malformations of Brain	1	1	1	0	3
Q07	Other Congenital Malformations of Nervous System	1	0	0	0	1
Q20-Q28	Congenital Malformations of the Circulatory System	1	1	11	0	13
Q20	Congenital Malformations of Cardiac Chambers and Connections	0	0	2	0	2
Q23	Congenital Malformations of Aortic and Mitral Valves	0	1	4	0	5
Q24	Other Congenital Malformations of the Heart	1	0	4	0	5
Q26	Congenital Malformations of Great Veins	0	0	1	0	1
Q30-Q34	Congenital Malformations of the Respiratory System	0	1	0	0	1
Q32	Congenital Malformations of Trachea and Bronchus	0	1	0	0	1
Q60-Q64	Congenital Malformations of the Urinary System	1	2	0	0	3
Q60	Renal Agenesis and Other Reduction Defects of Kidney	0	2	0	0	2
Q61	Cystic Kidney Disease	1	0	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	2	3	2	0	7
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	0	2	0	0	2
Q78	Other Osteochondrodysplasias	0	0	1	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	2	1	1	0	4
Q80-Q89	Other Congenital Malformations	2	1	1	0	4
Q89	Other Congenital Malformations, Not Elsewhere Classified	2	1	1	0	4
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	1	5	0	0	6
Q91	Edwards' Syndrome and Patau's Syndrome	1	5	0	0	6
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	1	2	34	0	37
R95-R99	Ill-Defined and Unknown Causes of Mortality	1	2	34	0	37
R95	Sudden Infant Death Syndrome	0	2	32	0	34
R99	Other Ill-Defined and Unspecified Causes of Mortality	1	0	2	0	3
V01-Y98	External Causes of Morbidity and Mortality	0	3	14	1	18
W00-X59	Other External Causes of Accidental Injury	0	0	9	1	10
W65-W74	Accidental Drowning and Submersion	0	0	1	1	2
W65	Drowning and Submersion while in Bathtub	0	0	1	0	1
W73	Other Specified Drowning and Submersion	0	0	0	1	1
W75-W84	Other Accidental Threats to Breathing	0	0	7	0	7
W75	Accidental Suffocation and Strangulation in Bed	0	0	7	0	7
X00-X09	Exposure to Smoke, Fire and Flames	0	0	1	0	1
X08	Exposure to Other Specified Smoke, Fire and Flames	0	0	1	0	1
X85-Y09	Assault	0	0	2	0	2
Y00	Assault by Blunt Object	0	0	1	0	1
Y07	Other Maltreatment Syndromes	0	0	1	0	1
Y10-Y34	Event of Undetermined Intent	0	3	1	0	4
Y33	Other Specified Events, Undetermined Intent	0	2	1	0	3
Y34	Unspecified Event, Undetermined Intent	0	1	0	0	1
Y40-Y84	Complications of Medical and Surgical Care	0	0	2	0	2
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	0	0	2	0	2
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	0	0	1	0	1

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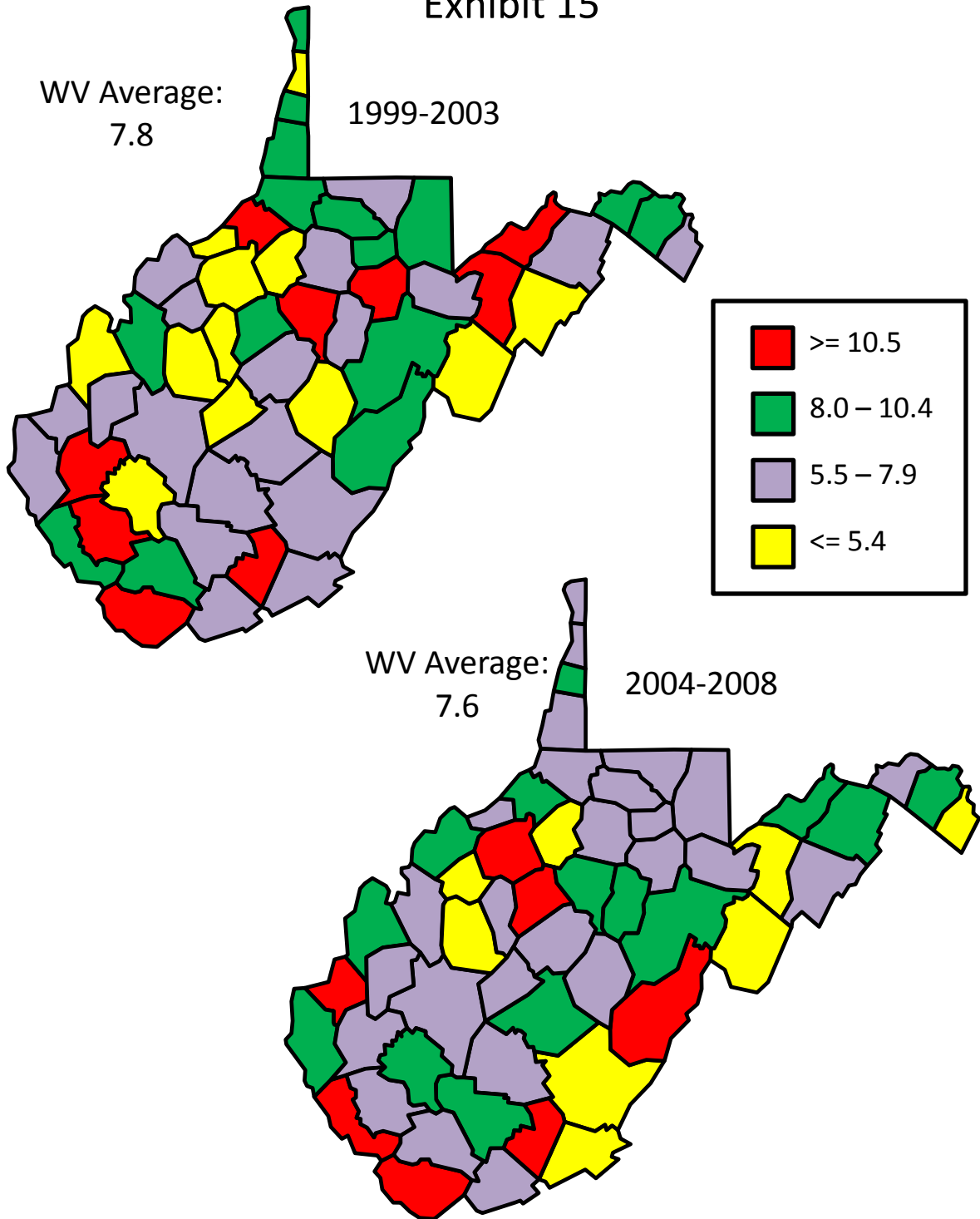
Births and Infant Deaths by Selected Risk Factors
and Demographics
West Virginia Residents, 2008
Table 30

Factor	Births		Infant Deaths	
	Number	Percent	Number	Percent
Total	21,493		166	
Birthweight < 2,500 Grams	2,049	9.5%	89	54.3%
Birthweight < 1,500 Grams	304	1.4%	64	39.0%
Gestational Age < 37 Weeks	2,527	11.8%	86	52.8%
Gestational Age 37-38 Weeks	7,802	36.4%	45	27.6%
Gestational Age 39+ Weeks	11,123	51.9%	32	19.6%
Age of Mother < 20 Years	2,781	12.9%	26	15.7%
Age of Mother < 15 Years	26	0.1%	0	0.0%
Unmarried Mothers	9,002	41.9%	74	45.4%
Mothers Using Tobacco	5,793	27.0%	60	36.8%
Mothers Using Alcohol	58	0.3%	0	0.0%
White or Caucasian Mothers	20,352	94.8%	154	93.3%
Black or African American Mothers	812	3.8%	9	5.5%
Mothers of Other Races	314	1.5%	2	1.2%
Mothers of Unknown Race	15		1	

Percentages are calculated excluding unknown numbers

Resident Infant Death Rates by County West Virginia, 1999-2003 and 2004-2008

Exhibit 15



Causes of Resident Fetal Deaths
West Virginia, 2004-2008
Table 31

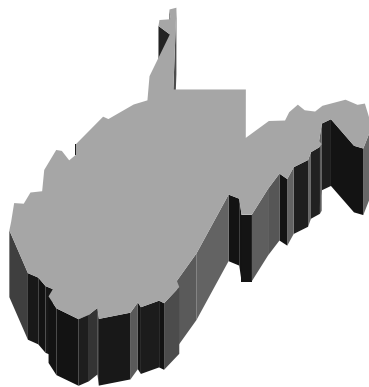
ICDA 10 Code	Cause of Death	2004	2005	2006	2007	2008
A00-Z99*	Total Deaths, All Causes	135	115	120	116	94
C00-D48	Neoplasms	0	0	0	2	0
D10-D36	Benign Neoplasms	0	0	0	2	0
D18	Hemangioma and Lymphangioma, Any Site	0	0	0	2	0
P00-P96	Certain Conditions Originating in the Perinatal Period	120	104	110	106	84
P00-P04	Fetus Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	63	58	62	57	51
P00	Fetus Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	5	5	2	3	6
P00.0	Maternal Hypertensive Disorders	5	4	2	2	4
P00.5	Maternal Injury	0	1	0	0	1
P00.7	Other Medical Procedures on Mother, Not Elsewhere Classified	0	0	0	1	0
P00.8	Other Maternal Conditions	0	0	0	0	1
P01	Fetus Affected by Maternal Complications of Pregnancy	14	15	16	12	9
P01.0	Incompetent Cervix	3	2	1	5	4
P01.1	Premature Rupture of Membranes	8	9	7	2	3
P01.2	Oligohydramnios	2	0	1	2	1
P01.3	Polyhydramnios	1	0	2	1	1
P01.5	Multiple Pregnancy	0	3	4	0	0
P01.7	Malpresentation Before Labor	0	1	0	1	0
P01.8	Other Maternal Complications of Pregnancy	0	0	1	1	0
P02	Fetus Affected by Complications of Placenta, Cord and Membranes	43	38	42	40	35
P02.0	Placenta Previa	0	0	1	0	1
P02.1	Other Forms of Placenta Separation and Hemorrhage	15	21	17	15	14
P02.2	Other and Unspecified Morphological and Functional Abnormalities of Placenta	2	0	4	3	4
P02.3	Placental Transfusion Syndromes	0	0	0	1	0
P02.4	Prolapsed Cord	0	1	1	0	0
P02.5	Other Compression of Umbilical Cord	25	15	16	18	16
P02.6	Other and Unspecified Conditions of Umbilical Cord	0	0	1	0	0
P02.7	Chorioamnionitis	1	1	2	3	0
P03	Fetus Affected by Other Complications of Labor and Delivery	1	0	2	2	1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	12	9	8	9	6
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	12	9	8	9	6
P07.1	Other Low Birthweight	0	1	0	0	0
P07.2	Extreme Immaturity	7	4	3	5	2
P07.3	Other Preterm Infants	5	4	5	4	4
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	8	4	5	6	5
P20	Intrauterine Hypoxia	2	3	0	1	0
P21	Birth Asphyxia	2	1	1	0	0
P22	Respiratory Distress of Newborn	1	0	0	0	0
P22.0	Respiratory Distress Syndrome	1	0	0	0	0
P23	Congenital Pneumonia	0	0	0	1	0
P24	Neonatal Aspiration Syndromes	0	0	1	0	0
P28	Other Respiratory Conditions Originating in the Perinatal Period	0	0	0	0	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	3	0	3	4	4
P29.0	Neonatal Cardiac Failure	0	0	0	2	2
P29.1	Neonatal Cardiac Dysrhythmia	3	0	2	2	2
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	0	0	1	0	0

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Causes of Resident Fetal Deaths
West Virginia, 2004-2008
Table 31 (Cont'd)

ICDA 10 Code	Cause of Death	2004	2005	2006	2007	2008
P35-P39	Infections Specific to the Perinatal Period	0	1	0	0	0
P36	Bacterial Sepsis of Newborn	0	1	0	0	0
P50-P61	Hemorrhagic and Hematological Disorders of Fetus	1	2	0	0	0
P50	Fetal Blood Loss	0	1	0	0	0
P60	Disseminated Intravascular Coagulation of Fetus	1	1	0	0	0
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus	2	1	2	2	2
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Fetus	2	1	2	2	2
P70.0	Syndrome of "Infant of Mother with Gestational Diabetes	2	0	2	0	1
P70.1	Syndrome of "Infant of a Diabetic Mother	0	1	0	2	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus	0	1	0	2	1
P83	Other Conditions of Integument Specific to Fetus	0	1	0	2	1
P90-P96	Other Disorders Originating in the Perinatal Period	34	28	33	30	19
P96	Other Conditions Originating in the Perinatal Period	34	28	33	30	19
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	15	11	10	8	10
Q00-Q07	Congenital Malformations of the Nervous System	4	2	0	1	4
Q00	Anencephaly and Similar Malformations	2	1	0	0	3
Q03	Congenital Hydrocephalus	1	1	0	1	0
Q04	Other Congenital Malformations of Brain	0	0	0	0	1
Q05	Spina Bifida	1	0	0	0	0
Q10-Q18	Congenital Malformations of Eye, Ear, Face and Neck	0	1	0	0	0
Q18	Other Congenital Malformations of Face and Neck	0	1	0	0	0
Q20-Q28	Congenital Malformations of the Circulatory System	3	0	1	0	2
Q24	Other Congenital Malformations of the Heart	2	0	1	0	2
Q27	Other Congenital Malformations of Peripheral Vascular System	1	0	0	0	0
Q35-Q37	Cleft Lip and Cleft Palate	0	0	1	0	0
Q37	Cleft Palate with Cleft Lip	0	0	1	0	0
Q50-Q56	Congenital Malformations of Genital Organs	0	0	0	1	0
Q55	Other Congenital Malformations of Male Genital Organs	0	0	0	1	0
Q60-Q64	Congenital Malformations of the Urinary System	0	1	3	1	0
Q60	Renal Agenesis and Other Reduction Defects of Kidney	0	1	2	0	0
Q61	Cystic Kidney Disease	0	0	1	0	0
Q64	Other Congenital Malformations of Urinary System	0	0	0	1	0
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	1	0	0	2
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	1	0	0	2
Q80-Q89	Other Congenital Malformations	5	3	3	3	2
Q82	Other Congenital Malformations of Skin	0	0	0	1	0
Q89	Other Congenital Malformations, Not Elsewhere Classified	5	3	3	2	2
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	3	3	2	2	0
Q91	Edwards' Syndrome and Patau's Syndrome	0	1	1	2	0
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere Classified	1	0	0	0	0
Q96	Turner's Syndrome	1	0	1	0	0
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	1	2	0	0	0

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West Virginia Vital Statistics
**Induced Terminations of
Pregnancy (ITOP)**

Induced Terminations of Pregnancy (ITOP) Summary

The annual reporting of induced terminations of pregnancy (ITOP), also properly referred to as “induced abortion,” was mandated in the latest revision of the West Virginia Code. An ITOP is a purposeful interruption of an intrauterine pregnancy with the intention other than to produce a live-born infant and which does not result in a live birth. The management of prolonged retention of products of conception following fetal death is excluded. The major distinguishing feature of this event is the fact that it is “purposeful” rather than spontaneous. A spontaneous interruption of a pregnancy is also known as a fetal death or a spontaneous abortion or, more commonly, as a miscarriage or a stillbirth.

One of the primary differences between the reporting of ITOP statistics and birth and death statistics in this publication is that ITOP statistics reflect events that occurred in West Virginia. Due to exchange agreements with other states, births and deaths to West Virginia residents that occur elsewhere are reported back to the state, making it possible to ascertain the number of births and deaths among state residents in a given time frame regardless as to where the event occurred. Information on the number of West Virginia residents who obtain an ITOP in another state is infrequently reported back to West Virginia by the state where the procedure took place, normally due to restrictions within the other state’s legal code.

The only two free-standing clinics that perform ITOPs on demand in West Virginia are in Charleston, which makes the likelihood of out-of-state ITOPs greater in some regions of the state. It is unlikely that the majority of women living in the northern or eastern panhandles of the state seek an ITOP in West Virginia. Due to known incomplete reporting, therefore, the procedures performed on West Virginia residents in other states have been excluded from the compiled statistics.

In 2008, there were 1,982 ITOPs performed in West Virginia, 7.2% more than in 2007 (1,849). Nearly eight out of every nine (88.2%) ITOPs involved a West Virginia resident, while 5.8% were Ohio residents and 4.8% were residents of Kentucky, compared with 2007 percentages of 89.8%, 5.8%, and 3.7%, respectively. The median age of women having an ITOP in 2008 was 24, compared to 23 in 2007. There were 117 procedures in 2008 involving females under the age of 18, of which 102 were performed on unemancipated*minors, compared with 122 in 2007, of which 119 were performed on unemancipated minors. Nearly eighty-five percent (84.8%) of the 2008 ITOPs performed in West Virginia involved women who were not married at the time. Only one-third (33.7%) of the 2008 ITOPs involved women who had never had a previous live birth; while 88.6% were to women who had two or fewer children. There were seven ITOPs performed on women who had six or more children. Over sixty percent (62.3%) involved women for whom it was their first ITOP, while nearly all (96.6%) involved women who had two or fewer previous ITOPs. There were five ITOPs performed upon women who previously had six or more ITOPs.

*For the purpose of ITOP reporting, unemancipated minor means any person under the age of 18 years who has not graduated from high school and is neither married nor who has been otherwise emancipated.

Induced Terminations of Pregnancy
By Age of Female and Weeks of Gestation
West Virginia Occurrences, 2008

Table 32

Age of Female	Weeks of Gestation							Total
	Less than 9	9-10	11-12	13-15	16-19	20 or More	Unknown	
10-14	3	0	1	2	1	0	0	7
15-17	57	28	19	4	2	0	0	110
18-19	110	54	34	19	11	0	0	228
20-24	353	131	80	50	29	1	1	645
25-29	276	92	70	35	19	2	1	495
30-34	157	54	37	15	8	2	0	273
35-39	110	41	16	8	7	0	0	182
40-44	24	6	4	1	5	0	0	40
45+	2	0	0	0	0	0	0	2
Total	1,092	406	261	134	82	5	2	1,982

Note: Gestational age is calculated from the date of last menses EXCEPT when the date of last menses is unknown. The physician's estimate of gestation is substituted if the calculation is not possible.

Induced Terminations of Pregnancy
By Age of Female and Marital Status
West Virginia Occurrences, 2008

Table 33

Age of Female	Marital Status						Total
	Married	Never Married	Divorced	Separated	Widowed	Unknown	
10-14	0	7	0	0	0	0	7
15-17	4	106	0	0	0	0	110
18-19	7	220	0	0	0	1	228
20-24	60	569	7	8	0	1	645
25-29	94	375	15	8	3	0	495
30-34	73	179	14	6	0	1	273
35-39	51	112	12	5	0	2	182
40-44	11	24	5	0	0	0	40
45+	0	2	0	0	0	0	2
Total	300	1,594	53	27	3	5	1,982

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Induced Terminations of Pregnancy
By Age of Female and Previous Live Births
West Virginia Occurrences, 2008

Table 34

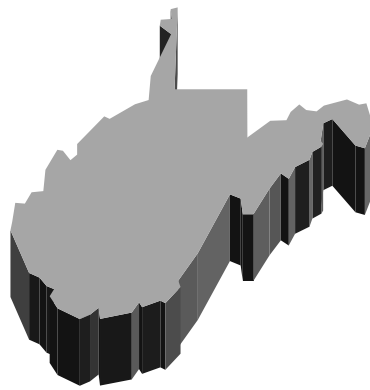
Age of Female	Previous Live Births					Total
	None	One	Two	Three	Four or More	
10-14	7	0	0	0	0	7
15-17	93	16	1	0	0	110
18-19	154	61	11	2	0	228
20-24	270	234	114	18	9	645
25-29	89	168	155	66	17	495
30-34	25	91	86	39	32	273
35-39	22	65	63	20	12	182
40-44	7	14	9	5	5	40
45+	0	1	1	0	0	2
Total	667	650	440	150	75	1,982

Previous Induced Terminations of Pregnancy
By Age of Female
West Virginia Occurrences, 2008

Table 35

Age of Female	Previous Induced Terminations					Total
	None	One	Two	Three	Four or More	
10-14	7	0	0	0	0	7
15-17	105	5	0	0	0	110
18-19	191	32	5	0	0	228
20-24	432	165	36	12	0	645
25-29	245	149	66	22	13	495
30-34	140	87	33	9	4	273
35-39	88	66	21	5	2	182
40-44	24	12	3	1	0	40
45+	2	0	0	0	0	2
Total	1,234	516	164	49	19	1,982

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West Virginia Vital Statistics
Marriages & Divorces

Marriages

For the seventh time in the past eight years, the number of marriages in West Virginia decreased, from 13,308 in 2007 to 13,025 in 2008. The marriage rate in 2008 was 7.2 per 1,000 population, slightly lower than the 2007 rate of 7.3. The 2008 U.S. provisional rate was 7.1.

For all marriages in 2008, the median age was 26 for brides and 29 for grooms. The mode (most frequently reported age) for all marriages was 22 for brides and 25 for grooms. There were 181 brides and 27 grooms aged less than 18. There were 163 brides and 312 grooms over the age of 65. Also in 2008, there were 195 marriages in which the groom was 20 years or more older than the bride, while there were 29 marriages in which the bride was at least 20 years older.

For first marriages, the median age for brides was 22; for grooms it was 24. The mode for first marriages in West Virginia was 22 for brides and 25 for grooms. All of the West Virginia brides and grooms less than 18 years of age were in their first marriage. There were eight brides and four grooms over the age of 65 for which it was a first marriage.

Divorces and Annulments

The number of divorces and annulments decreased by 402 or 4.3%, from 9,305 in 2007 to 8,903 in 2008. The 2008 rate of 4.9 per 1,000 population was also lower than the 2007 rate of 5.1.

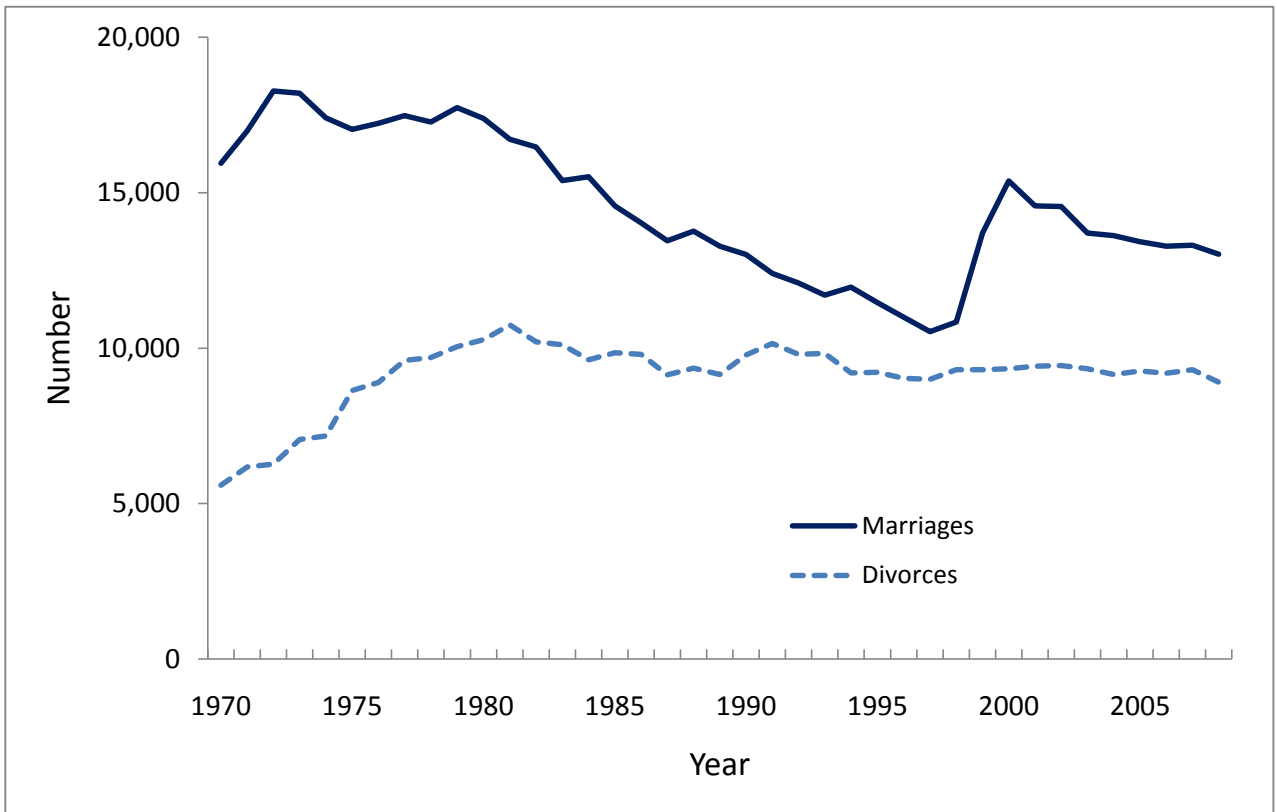
Of the 8,903 divorces in West Virginia in 2008, the median duration of marriage was six years. Approximately one out of every five (21.6%) West Virginia divorces with a known duration in 2008 involved marriages lasting only two years or less; 7.7% involved marriages of 25 years or longer. There were 13 divorces involving a wife aged less than 18, while there was only one in which the husband was under age 18. During 2008, 105 divorces involved a wife aged 65 or older, and 204 involved a husband in the age group.

Over one-half (53.6%) of the divorces involved no children under 18 years of age in the family, while one child was involved in 22.3% of all divorces and two children were involved in 17.7%. Four divorces involved six or more children.

Note Regarding Marriage and Divorce/Annulment Statistics

Statistics regarding marriage and divorce/annulments are by occurrence only. They include only those that occur within the state of West Virginia regardless of where the couple reside.

Marriages and Divorces West Virginia, 1970-2008 Exhibit 16



Year	Marriages	Divorces and Annulments
1970	15,948	5,584
1975	17,041	8,632
1980	17,391	10,273
1985	14,580	9,851
1990	13,012	9,783
1995	11,472	9,219
2000	15,375	9,336
2001	14,581	9,421
2002	14,558	9,442
2003	13,697	9,335
2004	13,622	9,149
2005	13,423	9,269
2006	13,276	9,191
2007	13,308	9,305
2008	13,025	8,903

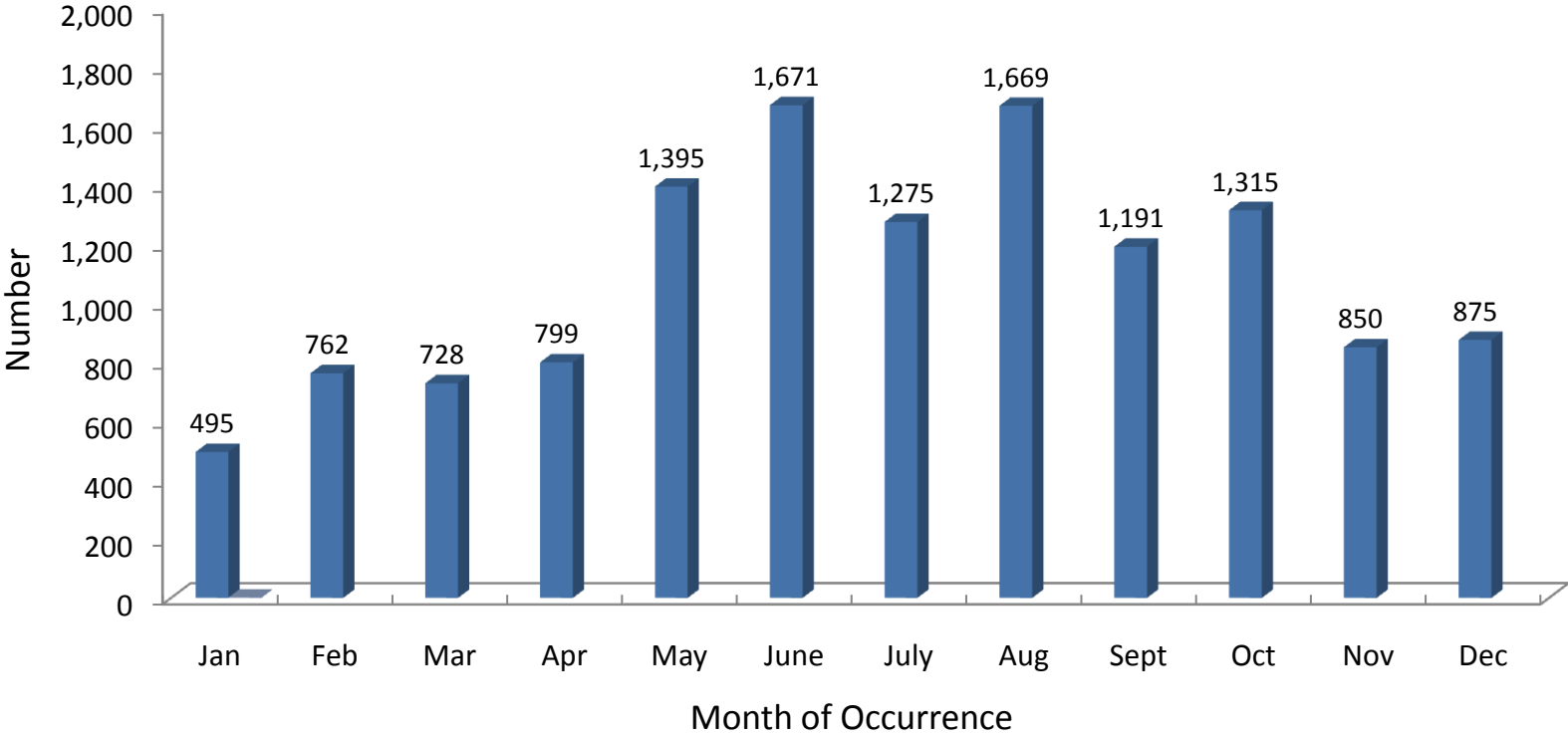
Marriages by Age of Bride and Groom
West Virginia, 2008
Table 36

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	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	356	735	141	36	15	3	2	1	0	0	1,289
20-24 Years	0	118	1,701	1,201	300	119	32	17	2	4	3	3,497
25-29 Years	0	16	351	1,216	684	309	107	34	20	8	2	2,747
30-34 Years	0	6	74	304	553	391	162	73	25	8	5	1,601
35-39 Years	0	1	30	95	187	330	263	143	61	30	8	1,148
40-44 Years	0	2	4	16	65	162	270	193	119	61	34	926
45-49 Years	0	0	3	10	17	61	123	194	148	100	57	713
50-54 Years	0	0	1	2	3	14	36	92	135	109	84	476
55-59 Years	0	0	0	1	2	1	5	20	46	69	105	249
60 & Over Years	0	0	0	1	1	4	2	9	23	27	312	379
Total	0	499	2,899	2,987	1,848	1,406	1,003	777	580	416	610	13,025

Note: Age at the time the marriage license was issued. Marriage license is valid for 60 days from the date issued.

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Marriages by Month of Occurrence West Virginia, 2008 Exhibit 17



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Health Statistics Center, 2010

Marriages by Previous Marital Status
West Virginia, 2008
Table 37

Bride	Groom					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	6,242	37	1,303	13	0	7,595
Widowed	60	164	239	1	0	464
Divorced	1,434	226	3,271	13	0	4,944
Annulled	7	2	8	4	0	21
Not Stated	0	0	0	0	1	1
Total	7,743	429	4,821	31	1	13,025

Marriages by Number of Previous Marriages
West Virginia, 2008
Table 38

Bride	Groom						Total
	Never Previously Married	One Previous Marriage	Two Previous Marriages	Three Previous Marriages	Four or More Previous Marriages	Not Stated	
Never Previously Married	6,242	1,096	201	46	10	0	7,595
One Previous Marriage	1,170	1,701	559	130	30	0	3,590
Two Previous Marriages	260	623	330	76	24	0	1,313
Three Previous Marriages	57	165	113	59	16	0	410
Four or More Previous Marriages	14	41	39	15	6	0	115
Not Stated	0	0	1	0	0	1	2
Total	7,743	3,626	1,243	326	86	1	13,025

Divorces and Annulments by Age of Husband and Wife
West Virginia, 2008
Table 39

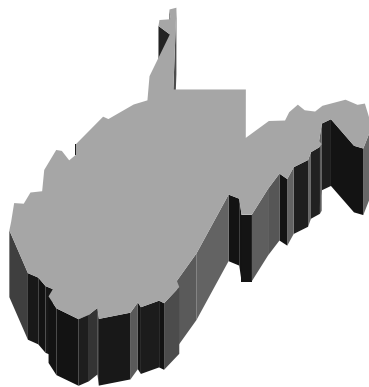
Age of Wife	Age of Husband												Total
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 & Over Years	Un- known	
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	27	68	19	6	2	0	0	2	0	0	1	125
20-24 Years	0	18	385	390	126	36	13	12	5	0	0	6	991
25-29 Years	0	3	95	683	506	193	44	21	8	9	0	15	1,577
30-34 Years	0	2	18	168	584	485	141	66	33	9	3	14	1,523
35-39 Years	0	0	6	42	167	528	414	139	66	22	9	16	1,409
40-44 Years	0	0	0	11	51	169	405	299	136	49	17	13	1,150
45-49 Years	0	0	1	5	15	53	95	293	207	80	43	6	798
50-54 Years	0	0	1	1	3	19	29	91	183	150	66	5	548
55-59 Years	0	0	0	0	2	2	17	25	48	88	108	3	293
60 & Over Years	0	0	0	0	0	1	1	9	23	32	187	3	256
Unknown	0	0	4	12	11	15	15	13	11	6	5	141	233
Total	0	50	578	1,331	1,471	1,503	1,174	968	722	445	438	223	8,903

West Virginia Bureau for Public Health
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Divorces and Annulments by Duration of Marriage and Number of Children
West Virginia, 2008
Table 40

Duration of Marriage in Years	Number of Children Reported Under 18 Years of Age								Total
	None	One	Two	Three	Four	Five	Six or More	Un-known	
Under 1 Year	360	42	16	2	1	0	0	0	421
1 to 5 Years	2,145	779	378	83	12	0	0	0	3,397
6 to 10 Years	910	507	500	150	27	6	0	0	2,100
11 to 15 Years	372	277	336	122	28	4	2	0	1,141
16 to 20 Years	229	191	243	79	15	1	1	0	759
21 to 25 Years	248	133	68	22	1	2	1	0	475
26 to 30 Years	213	36	20	4	0	0	0	0	273
31 to 35 Years	151	7	6	1	0	0	0	0	165
36 to 40 Years	74	1	2	1	0	0	0	0	78
41 to 45 Years	41	3	1	1	0	0	0	0	46
46 to 50 Years	6	0	1	0	0	0	0	0	7
51 to 55 Years	1	0	0	0	0	0	0	0	1
56 to 60 Years	3	0	0	0	0	0	0	0	3
Over 60 Years	0	0	0	0	0	0	0	0	0
Unknown	18	8	9	2	0	0	0	0	37
Total	4,771	1,984	1,580	467	84	13	4	0	8,903

West Virginia Bureau for Public Health
Health Statistics Center, 2010



West Virginia Vital Statistics
County-Level Data

County and City Summary

Beginning with this report, the Health Statistics Center is separating county statistics from the state totals. Although the tables have been rearranged from previous publications, the same information is presented. The birth section is followed by information on deaths (including infant and fetal) and then marriages and divorces. Practically all of ITOP data is collected from two clinics, both in Kanawha County, and is reported as occurrence data. ITOP statistics displayed at the county or city level would be meaningless and misleading.

West Virginia Vital Statistics 2007 expanded the number of cities for which data were presented. Before then, data were included for the 15 cities in the state that had populations of 10,000 or more. Because some cities have dropped below that mark in the past decade, it was decided to include data for the state's 25 most populated cities, regardless of the size of the population.

Number of Births by County of Residence and Occurrence
 Birth Rates by County of Residence
 West Virginia, 2008
 Table 41

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate per 1,000 Population*			Number	Rate per 1,000 Population*	
Barbour	174	11.2	1	Monongalia	921	10.4	2,154
Berkeley	1,434	14.1	970	Monroe	150	10.9	2
Boone	353	14.1	0	Morgan	160	9.8	3
Braxton	148	10.1	2	Nicholas	311	11.9	310
Brooke	223	9.5	377	Ohio	464	10.5	1,341
Cabell	1,259	13.3	3,025	Pendleton	74	9.8	0
Calhoun	77	10.7	1	Pleasants	77	10.8	0
Clay	142	14.1	0	Pocahontas	92	10.9	4
Doddridge	74	10.3	1	Preston	367	12.1	152
Fayette	568	12.3	0	Putnam	614	11.1	28
Gilmer	56	8.1	1	Raleigh	925	11.7	1,566
Grant	126	10.5	298	Randolph	326	11.5	394
Greenbrier	399	11.5	584	Ritchie	113	11.0	0
Hampshire	264	11.7	3	Roane	165	10.9	96
Hancock	331	11.0	1	Summers	116	8.9	4
Hardy	165	12.1	0	Taylor	161	10.0	1
Harrison	855	12.4	934	Tucker	66	9.6	0
Jackson	364	12.9	1	Tyler	75	8.5	0
Jefferson	688	13.3	273	Upshur	256	10.9	315
Kanawha	2,395	12.5	4,080	Wayne	460	11.2	0
Lewis	202	11.7	273	Webster	109	11.6	1
Lincoln	273	12.2	0	Wetzel	171	10.5	0
Logan	420	11.8	354	Wirt	62	10.8	1
McDowell	302	13.3	67	Wood	957	11.1	1,645
Marion	625	11.1	366	Wyoming	259	11.0	0
Marshall	330	10.1	160				
Mason	313	12.2	217				
Mercer	814	13.2	1,357	Total	21,493	11.8	21,443
Mineral	320	11.9	0				
Mingo	348	13.2	80				

*Rates are calculated per 1,000 population. 2008 population estimates are from the U.S. Bureau of the Census.

Number of Births by County of Residence
West Virginia, 2004-2008
Table 42

County	2004	2005	2006	2007	2008	County	2004	2005	2006	2007	2008
Barbour	171	190	154	194	174	Monongalia	929	883	923	907	921
Berkeley	1,267	1,309	1,344	1,517	1,434	Monroe	123	134	137	142	150
Boone	315	308	331	322	353	Morgan	162	159	160	170	160
Braxton	136	144	165	176	148	Nicholas	264	326	293	324	311
Brooke	237	225	210	220	223	Ohio	457	517	480	509	464
Cabell	1,138	1,142	1,215	1,234	1,259	Pendleton	66	82	74	72	74
Calhoun	60	89	84	83	77	Pleasants	62	57	72	82	77
Clay	134	116	136	147	142	Pocahontas	91	76	96	97	92
Doddridge	79	75	61	65	74	Preston	323	293	352	345	367
Fayette	551	586	570	628	568	Putnam	669	646	611	640	614
Gilmer	72	79	71	80	56	Raleigh	899	919	895	990	925
Grant	131	114	131	125	126	Randolph	316	353	315	347	326
Greenbrier	376	382	378	402	399	Ritchie	125	109	94	104	113
Hampshire	224	237	231	268	264	Roane	189	149	157	174	165
Hancock	348	327	309	319	331	Summers	109	108	115	122	116
Hardy	144	153	157	177	165	Taylor	144	145	162	165	161
Harrison	846	827	851	810	855	Tucker	59	60	64	83	66
Jackson	312	333	314	330	364	Tyler	90	95	89	96	75
Jefferson	641	646	670	725	688	Upshur	284	270	291	273	256
Kanawha	2,444	2,272	2,319	2,368	2,395	Wayne	452	443	467	460	460
Lewis	172	217	174	233	202	Webster	90	106	97	118	109
Lincoln	294	290	284	268	273	Wetzel	190	219	205	164	171
Logan	438	426	418	458	420	Wirt	61	53	56	50	62
McDowell	309	275	296	294	302	Wood	988	1,021	980	1,046	957
Marion	623	611	604	664	625	Wyoming	250	273	268	250	259
Marshall	356	306	317	356	330						
Mason	298	310	303	340	313						
Mercer	712	704	717	755	814	Total	20,911	20,834	20,931	22,017	21,493
Mineral	319	275	297	333	320						
Mingo	372	370	367	396	348						

Number and Percent of Low Birthweight (LBW) Births
By County of Residence
West Virginia, 2008
Table 43

County	Number of Births	Low Birthweight*	Percent LBW	County	Number of Births	Low Birthweight*	Percent LBW
Barbour	174	5	2.9%	Monongalia	921	74	8.1%
Berkeley	1,434	105	7.3%	Monroe	150	17	11.3%
Boone	353	41	11.6%	Morgan	160	9	5.6%
Braxton	148	15	10.1%	Nicholas	311	38	12.2%
Brooke	223	17	7.7%	Ohio	464	36	7.8%
Cabell	1,259	140	11.1%	Pendleton	74	5	6.8%
Calhoun	77	5	6.5%	Pleasants	77	4	5.2%
Clay	142	11	7.7%	Pocahontas	92	11	12.0%
Doddridge	74	3	4.1%	Preston	367	30	8.2%
Fayette	568	68	12.0%	Putnam	614	58	9.5%
Gilmer	56	6	10.7%	Raleigh	925	88	9.5%
Grant	126	8	6.3%	Randolph	326	32	9.8%
Greenbrier	399	43	10.8%	Ritchie	113	9	8.0%
Hampshire	264	15	5.7%	Roane	165	15	9.1%
Hancock	331	21	6.3%	Summers	116	10	8.6%
Hardy	165	10	6.1%	Taylor	161	13	8.1%
Harrison	855	86	10.1%	Tucker	66	7	10.6%
Jackson	364	31	8.5%	Tyler	75	8	10.7%
Jefferson	688	42	6.1%	Upshur	256	20	7.8%
Kanawha	2,395	241	10.1%	Wayne	460	66	14.3%
Lewis	202	19	9.4%	Webster	109	12	11.1%
Lincoln	273	29	10.6%	Wetzel	171	19	11.1%
Logan	420	49	11.7%	Wirt	62	1	1.6%
McDowell	302	39	12.9%	Wood	957	99	10.3%
Marion	625	53	8.5%	Wyoming	259	27	10.4%
Marshall	330	29	8.8%				
Mason	313	28	8.9%				
Mercer	814	105	12.9%	Total	21,493	2,050	9.5%
Mineral	320	37	11.6%				
Mingo	348	41	12.1%				

* < 2,500 grams

West Virginia Bureau for Public Health
Health Statistics Center, 2010

Age of Mother by County
West Virginia Resident Births, 2008

Table 44

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 Years & Over	Un- known	
Barbour	0	7	16	60	58	25	7	1	0	0	174
Berkeley	3	44	109	401	447	249	139	40	2	0	1,434
Boone	0	22	28	132	95	50	20	4	2	0	353
Braxton	0	8	19	70	25	19	6	0	1	0	148
Brooke	0	5	17	59	67	57	17	1	0	0	223
Cabell	3	46	109	390	380	222	88	21	0	0	1,259
Calhoun	0	1	5	32	25	9	4	1	0	0	77
Clay	1	7	18	49	45	15	6	1	0	0	142
Doddridge	0	1	7	26	31	5	3	1	0	0	74
Fayette	0	33	62	168	160	98	41	5	1	0	568
Gilmer	0	1	4	16	21	9	4	1	0	0	56
Grant	0	8	11	41	37	20	7	2	0	0	126
Greenbrier	0	8	26	117	125	79	38	4	2	0	399
Hampshire	0	11	28	88	77	41	14	5	0	0	264
Hancock	1	8	25	82	87	79	44	5	0	0	331
Hardy	0	7	13	51	45	32	12	5	0	0	165
Harrison	0	29	78	269	262	129	74	13	1	0	855
Jackson	0	7	32	118	109	70	21	6	1	0	364
Jefferson	0	21	41	152	187	159	98	26	4	0	688
Kanawha	5	96	189	707	743	444	176	35	0	0	2,395
Lewis	0	8	18	69	62	31	13	1	0	0	202
Lincoln	0	12	33	87	80	48	9	3	1	0	273
Logan	1	13	52	143	98	78	28	5	2	0	420
McDowell	2	16	43	119	70	35	16	1	0	0	302
Marion	0	12	59	193	184	122	47	7	1	0	625
Marshall	1	13	34	104	91	64	19	4	0	0	330
Mason	0	16	25	97	104	51	16	3	1	0	313
Mercer	3	46	88	272	228	121	38	17	1	0	814
Mineral	0	14	30	93	97	55	22	8	1	0	320
Mingo	0	19	45	136	92	39	13	3	1	0	348
Monongalia	0	13	55	213	285	238	92	21	4	0	921
Monroe	0	6	14	38	57	19	16	0	0	0	150
Morgan	0	5	17	48	37	36	15	2	0	0	160
Nicholas	1	10	32	106	88	43	25	6	0	0	311
Ohio	0	22	38	131	130	85	51	7	0	0	464
Pendleton	0	1	6	26	23	12	5	1	0	0	74
Pleasants	0	1	9	20	26	12	8	1	0	0	77
Pocahontas	0	2	8	27	31	17	6	1	0	0	92
Preston	0	16	36	101	120	62	26	6	0	0	367
Putnam	0	20	37	150	204	142	47	13	1	0	614
Raleigh	0	24	84	279	279	172	74	13	0	0	925
Randolph	0	15	35	108	86	53	27	2	0	0	326
Ritchie	0	0	9	39	40	11	10	3	1	0	113
Roane	0	4	13	58	50	29	11	0	0	0	165
Summers	0	3	13	32	34	26	6	2	0	0	116
Taylor	1	2	24	37	48	34	13	2	0	0	161
Tucker	0	0	7	23	17	16	3	0	0	0	66
Tyler	0	2	10	23	23	10	6	1	0	0	75
Upshur	0	6	18	89	80	40	21	2	0	0	256
Wayne	0	21	51	158	137	65	20	8	0	0	460
Webster	0	7	18	36	33	10	5	0	0	0	109
Wetzel	0	7	25	67	41	23	7	1	0	0	171
Wirt	0	1	11	25	13	9	3	0	0	0	62
Wood	3	44	96	311	291	139	63	10	0	0	957
Wyoming	1	8	46	81	58	52	9	3	1	0	259
Total	26	779	1,976	6,567	6,363	3,810	1,609	334	29	0	21,493

Mother's Marital Status and Method of Paternity Establishment for
Unmarried Mothers by County
West Virginia Occurrence Births, 2008
Table 45

County	Total Births	Mother's Marital Status		Mother Unmarried with Paternity Established		Mother Unmarried with Father Unknown
		Married*	Unmarried	Paternity Affidavit Accepted	Father Established by Other Methods	
Barbour	1	0	1	0	0	1
Berkeley	970	425	545	407	28	110
Boone	0	0	0	0	0	0
Braxton	2	0	2	1	1	0
Brooke	377	215	162	114	12	36
Cabell	3,025	1,785	1,240	851	85	304
Calhoun	1	1	0	0	0	0
Clay	0	0	0	0	0	0
Doddridge	1	0	1	0	1	0
Fayette	0	0	0	0	0	0
Gilmer	1	1	0	0	0	0
Grant	298	138	160	129	3	28
Greenbrier	584	328	256	175	18	63
Hampshire	3	1	2	2	0	0
Hancock	1	0	1	1	0	0
Hardy	0	0	0	0	0	0
Harrison	934	543	391	319	26	46
Jackson	1	1	0	0	0	0
Jefferson	273	125	148	114	4	30
Kanawha	4,080	2,387	1,693	1,217	175	301
Lewis	273	153	120	86	11	23
Lincoln	0	0	0	0	0	0
Logan	354	177	177	111	25	41
McDowell	67	29	38	21	12	5
Marion	366	180	186	147	9	30
Marshall	160	67	93	74	9	10
Mason	217	104	113	76	12	25
Mercer	1,357	740	617	396	67	154
Mineral	0	0	0	0	0	0
Mingo	80	38	42	27	2	13
Monongalia	2,154	1,419	735	495	62	178
Monroe	2	2	0	0	0	0
Morgan	3	2	1	0	0	1
Nicholas	310	155	155	98	22	35
Ohio	1,341	723	618	483	33	102
Pendleton	0	0	0	0	0	0
Pleasants	0	0	0	0	0	0
Pocahontas	4	4	0	0	0	0
Preston	152	86	66	48	7	11
Putnam	28	20	8	6	1	1
Raleigh	1,566	939	627	418	63	146
Randolph	394	219	175	131	16	28
Ritchie	0	0	0	0	0	0
Roane	96	56	40	29	6	5
Summers	4	1	3	0	2	1
Taylor	1	1	0	0	0	0
Tucker	0	0	0	0	0	0
Tyler	0	0	0	0	0	0
Upshur	315	190	125	91	13	21
Wayne	0	0	0	0	0	0
Webster	1	1	0	0	0	0
Wetzel	0	0	0	0	0	0
Wirt	1	1	0	0	0	0
Wood	1,645	981	664	485	47	132
Wyoming	0	0	0	0	0	0
Total	21,443	12,238	9,205	6,552	772	1,881

West Virginia Bureau for Public Health
Health Statistics Center, 2010

*Includes 19 births with unknown marital status.

Births by Month by County
West Virginia Residents, 2008
Table 46

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	13	19	13	15	15	12	12	15	12	14	19	15	174
Berkeley	138	95	121	110	127	122	121	129	108	130	115	118	1,434
Boone	32	37	19	34	36	20	36	19	33	29	28	30	353
Braxton	10	7	12	14	9	16	11	14	11	10	19	15	148
Brooke	16	19	16	26	17	22	20	14	22	16	21	14	223
Cabell	103	86	113	108	111	85	117	106	125	109	94	102	1,259
Calhoun	6	6	6	5	8	5	5	9	5	5	10	7	77
Clay	11	11	11	9	13	12	14	13	13	12	10	13	142
Doddridge	9	8	10	8	3	3	6	4	4	6	6	7	74
Fayette	39	43	52	57	48	38	42	60	51	52	43	43	568
Gilmer	3	7	4	4	2	7	4	6	7	4	4	4	56
Grant	5	14	9	9	15	15	11	12	9	10	8	9	126
Greenbrier	36	35	29	26	34	23	41	29	49	37	29	31	399
Hampshire	25	21	24	23	19	20	32	17	26	16	12	29	264
Hancock	22	34	17	28	24	19	35	32	31	35	25	29	331
Hardy	12	16	14	19	15	14	16	13	14	17	7	8	165
Harrison	83	66	70	79	60	68	76	84	70	73	56	70	855
Jackson	25	28	31	29	34	26	34	39	30	30	26	32	364
Jefferson	49	64	59	53	54	53	55	56	73	54	53	65	688
Kanawha	227	198	193	200	196	214	173	203	178	200	199	214	2,395
Lewis	22	15	15	27	13	19	22	16	14	13	10	16	202
Lincoln	25	23	28	21	23	15	20	28	24	25	17	24	273
Logan	44	36	28	44	30	37	38	32	30	32	31	38	420
McDowell	24	24	18	19	15	25	26	32	28	29	25	37	302
Marion	41	56	56	48	44	53	71	54	44	54	58	46	625
Marshall	27	28	38	29	23	28	37	20	25	32	22	21	330
Mason	45	24	15	33	26	26	26	14	36	26	16	26	313
Mercer	85	60	54	67	72	74	67	64	70	82	58	61	814
Mineral	29	17	30	27	23	31	29	33	16	29	28	28	320
Mingo	32	29	28	27	29	26	31	34	31	27	26	28	348
Monongalia	86	78	84	64	77	61	80	75	76	82	79	79	921
Monroe	15	9	16	17	15	10	9	12	11	12	14	10	150
Morgan	11	13	8	17	20	13	15	12	18	16	8	9	160
Nicholas	27	34	19	17	34	23	40	30	22	23	18	24	311
Ohio	36	45	37	43	35	42	37	34	34	37	34	50	464
Pendleton	6	5	7	5	7	6	8	7	1	9	6	7	74
Pleasants	5	8	6	4	9	5	7	4	4	11	9	5	77
Pocahontas	6	4	6	8	1	3	8	9	12	7	16	12	92
Preston	34	28	35	33	29	35	31	34	26	37	19	26	367
Putnam	52	52	50	43	45	64	58	54	46	48	51	51	614
Raleigh	91	60	88	76	65	72	85	81	76	81	74	76	925
Randolph	27	28	23	25	30	17	32	35	25	24	22	38	326
Ritchie	6	16	6	15	12	8	11	10	8	11	2	8	113
Roane	12	15	20	10	9	10	22	15	17	10	9	16	165
Summers	8	6	11	10	11	9	14	12	7	12	7	9	116
Taylor	16	10	13	16	10	12	14	18	16	13	16	7	161
Tucker	5	3	5	5	6	10	5	8	5	7	2	5	66
Tyler	8	7	10	7	0	6	10	6	5	6	4	6	75
Upshur	23	21	19	29	18	15	32	20	14	29	14	22	256
Wayne	36	34	30	44	36	31	36	46	44	42	38	43	460
Webster	7	7	12	9	12	8	7	12	7	11	9	8	109
Wetzel	14	17	16	15	17	16	16	13	10	9	14	14	171
Wirt	5	4	4	6	6	3	7	4	8	9	3	3	62
Wood	95	76	58	87	73	76	70	84	97	85	62	94	957
Wyoming	29	12	17	21	18	28	27	27	21	22	13	24	259
Total	1,898	1,718	1,733	1,824	1,733	1,711	1,909	1,863	1,799	1,861	1,618	1,826	21,493

Place of Delivery, Gender of Child by Race, and Marital Status of Mother by County
West Virginia Resident Births, 2008

Table 47

County	Place of Delivery		White or Caucasian		Black or African American		All Other Races		Number of Births to Unmarried Mothers	Total
	Hospital*	Non-Hospital**	Male	Female	Male	Female	Male	Female		
Barbour	173	1	92	79	2	0	1	0	63	174
Berkeley	1,423	11	655	644	39	54	22	20	585	1,434
Boone	353	0	173	177	1	0	2	0	159	353
Braxton	148	0	77	70	0	0	0	1	75	148
Brooke	222	1	118	100	1	0	2	2	101	223
Cabell	1,256	3	610	553	42	38	5	10	574	1,259
Calhoun	77	0	39	37	0	0	1	0	32	77
Clay	142	0	77	64	0	0	0	1	62	142
Doddridge	74	0	44	30	0	0	0	0	28	74
Fayette	568	0	273	279	9	3	2	2	243	568
Gilmer	55	1	27	28	0	0	0	1	17	56
Grant	125	1	63	62	0	0	0	1	60	126
Greenbrier	393	6	202	178	7	4	2	5	159	399
Hampshire	261	3	142	119	2	0	0	1	105	264
Hancock	316	15	162	158	4	3	3	1	140	331
Hardy	164	1	83	75	2	0	1	4	72	165
Harrison	854	1	440	394	6	8	5	2	364	855
Jackson	363	1	197	165	0	0	2	0	124	364
Jefferson	682	6	326	290	21	21	11	18	243	688
Kanawha	2,391	4	1,097	1,034	110	104	28	21	1,124	2,395
Lewis	201	1	106	95	0	1	0	0	83	202
Lincoln	273	0	135	137	0	0	0	1	89	273
Logan	419	1	198	217	1	1	3	0	175	420
McDowell	301	1	127	149	12	12	2	0	168	302
Marion	625	0	322	269	14	14	3	2	261	625
Marshall	329	1	167	154	1	3	3	2	160	330
Mason	311	2	158	144	5	4	2	0	135	313
Mercer	813	1	391	351	32	33	2	5	398	814
Mineral	320	0	178	133	3	5	0	0	144	320
Mingo	348	0	178	161	1	5	0	2	149	348
Monongalia	919	2	439	396	15	21	22	27	286	921
Monroe	148	2	88	61	0	1	0	0	48	150
Morgan	158	2	85	73	1	1	0	0	60	160
Nicholas	311	0	163	147	0	0	1	0	115	311
Ohio	462	2	228	200	15	10	7	3	224	464
Pendleton	73	1	39	31	2	1	1	0	24	74
Pleasants	77	0	40	34	0	1	0	2	24	77
Pocahontas	89	3	44	42	4	2	0	0	46	92
Preston	365	2	199	166	0	0	2	0	152	367
Putnam	610	4	312	290	1	2	4	4	183	614
Raleigh	923	2	421	415	31	46	2	7	337	925
Randolph	325	1	172	150	1	1	0	2	160	326
Ritchie	113	0	58	54	0	0	0	1	38	113
Roane	165	0	84	78	0	0	2	0	53	165
Summers	114	2	45	62	5	2	1	1	43	116
Taylor	160	1	91	69	1	0	0	0	68	161
Tucker	66	0	32	34	0	0	0	0	23	66
Tyler	75	0	33	40	0	0	2	0	40	75
Upshur	256	0	131	122	0	1	2	0	100	256
Wayne	460	0	232	227	0	0	1	0	189	460
Webster	109	0	49	59	0	0	0	1	57	109
Wetzel	171	0	84	85	0	0	1	1	88	171
Wirt	60	2	38	22	0	1	0	0	27	62
Wood	955	2	489	439	6	11	6	6	426	957
Wyoming	259	0	121	136	1	0	0	1	99	259
Total	21,403	90	10,574	9,778	398	414	156	158	9,002	21,493

West Virginia Bureau for Public Health
Health Statistics Center, 2010

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

**Includes 24 unknown.

NOTE: Does NOT include 15 births with mother's unknown race.

Trimester Prenatal Care Began by County
West Virginia Resident Births, 2008

Table 48

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown	Total
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	149	86.6%	20	11.6%	3	1.7%	0	0.0%	2	174
Berkeley	1,186	83.5%	190	13.4%	38	2.7%	6	0.4%	14	1,434
Boone	250	72.7%	75	21.8%	16	4.7%	3	0.9%	9	353
Braxton	116	78.9%	27	18.4%	4	2.7%	0	0.0%	1	148
Brooke	140	65.7%	59	27.7%	11	5.2%	3	1.4%	10	223
Cabell	1,020	81.9%	195	15.7%	22	1.8%	9	0.7%	13	1,259
Calhoun	63	90.0%	4	5.7%	3	4.3%	0	0.0%	7	77
Clay	109	76.8%	27	19.0%	5	3.5%	1	0.7%	0	142
Doddridge	67	91.8%	6	8.2%	0	0.0%	0	0.0%	1	74
Fayette	462	81.5%	83	14.6%	19	3.4%	3	0.5%	1	568
Gilmer	51	96.2%	2	3.8%	0	0.0%	0	0.0%	3	56
Grant	109	87.9%	12	9.7%	2	1.6%	1	0.8%	2	126
Greenbrier	373	93.7%	18	4.5%	2	0.5%	5	1.3%	1	399
Hampshire	222	84.7%	34	13.0%	4	1.5%	2	0.8%	2	264
Hancock	194	62.0%	97	31.0%	20	6.4%	2	0.6%	18	331
Hardy	136	82.4%	24	14.5%	3	1.8%	2	1.2%	0	165
Harrison	771	90.5%	72	8.5%	6	0.7%	3	0.4%	3	855
Jackson	295	81.5%	49	13.5%	15	4.1%	3	0.8%	2	364
Jefferson	601	89.2%	63	9.3%	6	0.9%	4	0.6%	14	688
Kanawha	1,845	77.2%	407	17.0%	125	5.2%	13	0.5%	5	2,395
Lewis	181	90.5%	15	7.5%	4	2.0%	0	0.0%	2	202
Lincoln	209	77.7%	54	20.1%	5	1.9%	1	0.4%	4	273
Logan	238	70.0%	89	26.2%	12	3.5%	1	0.3%	80	420
McDowell	195	65.2%	82	27.4%	16	5.4%	6	2.0%	3	302
Marion	493	79.4%	119	19.2%	7	1.1%	2	0.3%	4	625
Marshall	266	82.6%	47	14.6%	8	2.5%	1	0.3%	8	330
Mason	171	55.0%	75	24.1%	63	20.3%	2	0.6%	2	313
Mercer	599	74.1%	173	21.4%	18	2.2%	18	2.2%	6	814
Mineral	237	74.8%	75	23.7%	5	1.6%	0	0.0%	3	320
Mingo	180	77.9%	44	19.0%	7	3.0%	0	0.0%	117	348
Monongalia	664	72.3%	230	25.1%	20	2.2%	4	0.4%	3	921
Monroe	126	85.1%	16	10.8%	2	1.4%	4	2.7%	2	150
Morgan	137	85.6%	19	11.9%	2	1.3%	2	1.3%	0	160
Nicholas	226	72.7%	68	21.9%	17	5.5%	0	0.0%	0	311
Ohio	367	80.0%	66	14.4%	23	5.0%	3	0.7%	5	464
Pendleton	62	83.8%	9	12.2%	3	4.1%	0	0.0%	0	74
Pleasants	64	83.1%	5	6.5%	8	10.4%	0	0.0%	0	77
Pocahontas	76	83.5%	13	14.3%	1	1.1%	1	1.1%	1	92
Preston	289	79.6%	65	17.9%	8	2.2%	1	0.3%	4	367
Putnam	521	85.3%	77	12.6%	13	2.1%	0	0.0%	3	614
Raleigh	775	84.2%	121	13.2%	18	2.0%	6	0.7%	5	925
Randolph	279	87.2%	33	10.3%	7	2.2%	1	0.3%	6	326
Ritchie	103	91.2%	7	6.2%	3	2.7%	0	0.0%	0	113
Roane	137	89.0%	15	9.7%	1	0.6%	1	0.6%	11	165
Summers	102	88.7%	11	9.6%	1	0.9%	1	0.9%	1	116
Taylor	130	80.7%	29	18.0%	0	0.0%	2	1.2%	0	161
Tucker	56	86.2%	7	10.8%	2	3.1%	0	0.0%	1	66
Tyler	63	85.1%	7	9.5%	4	5.4%	0	0.0%	1	75
Upshur	223	90.7%	18	7.3%	4	1.6%	1	0.4%	10	256
Wayne	358	85.9%	57	13.7%	2	0.5%	0	0.0%	43	460
Webster	79	73.1%	18	16.7%	11	10.2%	0	0.0%	1	109
Wetzel	135	79.9%	26	15.4%	7	4.1%	1	0.6%	2	171
Wirt	54	87.1%	5	8.1%	2	3.2%	1	1.6%	0	62
Wood	849	89.2%	69	7.2%	29	3.0%	5	0.5%	5	957
Wyoming	198	77.0%	52	20.2%	6	2.3%	1	0.4%	2	259
Total	17,001	80.8%	3,280	15.6%	643	3.1%	126	0.6%	443	21,493

Number of Prenatal Visits by County
West Virginia Resident Births, 2008

Table 49

County	Number of Prenatal Visits										Un-known	Total
	No Visits		1-5 Visits		6-10 Visits		11-15 Visits		16 or More Visits			
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	0	0.0%	4	2.3%	24	13.8%	114	65.5%	32	18.4%	0	174
Berkeley	6	0.4%	57	4.0%	288	20.3%	940	66.3%	126	8.9%	17	1,434
Boone	3	0.9%	43	12.4%	142	40.8%	138	39.7%	22	6.3%	5	353
Braxton	0	0.0%	6	4.1%	44	29.7%	85	57.4%	13	8.8%	0	148
Brooke	3	1.4%	11	5.0%	59	26.6%	139	62.6%	10	4.5%	1	223
Cabell	10	0.8%	79	6.3%	490	39.0%	585	46.5%	94	7.5%	1	1,259
Calhoun	0	0.0%	7	10.0%	24	34.3%	29	41.4%	10	14.3%	7	77
Clay	1	0.7%	11	7.7%	66	46.5%	54	38.0%	10	7.0%	0	142
Doddridge	0	0.0%	1	1.4%	6	8.1%	47	63.5%	20	27.0%	0	74
Fayette	4	0.7%	38	6.7%	140	24.6%	291	51.2%	95	16.7%	0	568
Gilmer	0	0.0%	2	3.6%	9	16.1%	38	67.9%	7	12.5%	0	56
Grant	3	2.4%	5	4.0%	15	11.9%	71	56.3%	32	25.4%	0	126
Greenbrier	5	1.3%	5	1.3%	56	14.1%	268	67.5%	63	15.9%	2	399
Hampshire	2	0.8%	7	2.7%	45	17.1%	205	77.9%	4	1.5%	1	264
Hancock	2	0.6%	15	4.7%	95	29.7%	179	55.9%	29	9.1%	11	331
Hardy	2	1.2%	4	2.4%	29	17.6%	115	69.7%	15	9.1%	0	165
Harrison	3	0.4%	18	2.1%	100	11.8%	588	69.2%	141	16.6%	5	855
Jackson	2	0.6%	24	6.7%	119	33.2%	168	46.9%	45	12.6%	6	364
Jefferson	5	0.7%	29	4.3%	143	21.1%	456	67.3%	45	6.6%	10	688
Kanawha	13	0.5%	300	12.5%	983	41.1%	890	37.2%	206	8.6%	3	2,395
Lewis	0	0.0%	7	3.5%	28	13.9%	123	60.9%	44	21.8%	0	202
Lincoln	1	0.4%	17	6.3%	109	40.1%	117	43.0%	28	10.3%	1	273
Logan	1	0.3%	45	11.8%	165	43.2%	153	40.1%	18	4.7%	38	420
McDowell	6	2.0%	32	10.6%	117	38.9%	114	37.9%	32	10.6%	1	302
Marion	2	0.3%	18	2.9%	134	21.5%	422	67.7%	47	7.5%	2	625
Marshall	1	0.3%	11	3.3%	72	21.9%	236	71.7%	9	2.7%	1	330
Mason	3	1.0%	23	7.4%	98	31.5%	164	52.7%	23	7.4%	2	313
Mercer	18	2.2%	48	5.9%	251	30.9%	402	49.4%	94	11.6%	1	814
Mineral	1	0.3%	27	8.5%	161	50.5%	112	35.1%	18	5.6%	1	320
Mingo	1	0.3%	28	8.4%	113	33.8%	107	32.0%	85	25.4%	14	348
Monongalia	4	0.4%	34	3.7%	221	24.2%	601	65.8%	54	5.9%	7	921
Monroe	5	3.3%	4	2.7%	41	27.3%	86	57.3%	14	9.3%	0	150
Morgan	2	1.3%	4	2.5%	36	22.5%	110	68.8%	8	5.0%	0	160
Nicholas	0	0.0%	14	4.5%	116	37.3%	155	49.8%	26	8.4%	0	311
Ohio	3	0.6%	7	1.5%	91	19.6%	348	75.0%	15	3.2%	0	464
Pendleton	0	0.0%	4	5.4%	19	25.7%	38	51.4%	13	17.6%	0	74
Pleasants	0	0.0%	2	2.7%	20	26.7%	40	53.3%	13	17.3%	2	77
Pocahontas	1	1.1%	4	4.3%	27	29.3%	57	62.0%	3	3.3%	0	92
Preston	2	0.5%	18	4.9%	109	29.9%	205	56.3%	30	8.2%	3	367
Putnam	1	0.2%	42	6.9%	241	39.4%	266	43.5%	61	10.0%	3	614
Raleigh	6	0.7%	43	4.7%	197	21.3%	493	53.4%	184	19.9%	2	925
Randolph	2	0.6%	12	3.7%	78	23.9%	186	57.1%	48	14.7%	0	326
Ritchie	0	0.0%	1	0.9%	16	14.5%	64	58.2%	29	26.4%	3	113
Roane	1	0.7%	20	14.4%	50	36.0%	61	43.9%	7	5.0%	26	165
Summers	1	0.9%	7	6.0%	23	19.8%	68	58.6%	17	14.7%	0	116
Taylor	2	1.3%	6	3.8%	35	21.9%	94	58.8%	23	14.4%	1	161
Tucker	0	0.0%	3	4.5%	16	24.2%	38	57.6%	9	13.6%	0	66
Tyler	0	0.0%	2	2.7%	14	18.7%	48	64.0%	11	14.7%	0	75
Upshur	1	0.4%	10	3.9%	45	17.7%	152	59.8%	46	18.1%	2	256
Wayne	0	0.0%	31	6.7%	189	41.1%	204	44.3%	36	7.8%	0	460
Webster	0	0.0%	11	10.1%	33	30.3%	57	52.3%	8	7.3%	0	109
Wetzel	3	1.8%	7	4.1%	49	28.7%	107	62.6%	5	2.9%	0	171
Wirt	1	1.6%	2	3.2%	13	21.0%	39	62.9%	7	11.3%	0	62
Wood	8	0.9%	26	2.8%	136	14.6%	536	57.6%	224	24.1%	27	957
Wyoming	1	0.4%	19	7.4%	65	25.2%	130	50.4%	43	16.7%	1	259
Total	142	0.7%	1,255	5.9%	6,005	28.2%	11,533	54.2%	2,351	11.0%	207	21,493

Pregnancy Risk Factors, Cesarean Sections, Delivery Complications,
 Congenital Anomalies, and/or Abnormal Conditions of the Newborn
 Percent* of Total Births by County of Residence
 West Virginia Resident Births, 2008

Table 50

County	Pregnancy Risk Factors			Cesarean Section		1 or More Complications of Labor and/or Delivery	1 or More Congenital Anomalies	1 or More Abnormal Conditions of the Newborn
	Alcohol Use	Tobacco Use	1 or More Medical Risk Factors	Primary	Repeat			
Barbour	0.0	25.9	23.0	14.6	11.1	17.8	1.7	2.9
Berkeley	0.8	22.1	61.7	15.8	16.1	33.1	1.7	6.3
Boone	0.0	35.4	26.1	26.3	18.7	34.6	0.9	1.4
Braxton	0.7	41.9	29.7	15.6	16.3	29.1	0.7	2.0
Brooke	0.0	28.8	30.6	26.5	16.9	30.7	1.4	4.9
Cabell	0.1	27.2	35.1	18.7	15.0	25.9	0.6	2.2
Calhoun	4.2	24.0	34.2	10.5	17.1	21.7	0.0	0.0
Clay	0.0	33.6	25.4	19.7	20.4	35.2	0.7	2.1
Doddridge	0.0	29.7	20.3	16.2	18.9	16.2	1.4	1.4
Fayette	0.0	29.1	56.0	18.9	14.8	40.5	4.0	12.3
Gilmer	1.8	19.6	26.8	27.8	11.1	26.8	1.8	3.6
Grant	0.8	29.4	46.0	19.8	16.7	65.1	0.8	5.6
Greenbrier	0.0	29.6	33.7	13.1	11.6	46.4	4.0	28.3
Hampshire	0.0	23.9	39.7	22.0	15.9	37.8	0.0	1.9
Hancock	0.4	26.4	37.7	25.8	19.4	30.1	0.3	2.9
Hardy	0.6	24.4	40.2	20.9	16.0	41.5	1.2	5.5
Harrison	0.0	26.5	28.6	23.9	15.3	27.3	2.1	6.4
Jackson	0.3	25.0	26.9	25.3	13.7	34.1	0.3	1.1
Jefferson	0.6	17.2	46.3	15.6	14.7	35.6	1.9	6.1
Kanawha	0.0	26.7	26.7	24.7	18.3	34.8	0.3	1.2
Lewis	0.5	28.7	35.1	19.3	11.2	24.8	2.0	2.0
Lincoln	0.0	39.2	30.3	24.9	20.5	31.5	1.9	0.7
Logan	0.5	41.8	30.1	26.4	19.0	24.1	0.5	0.8
McDowell	0.7	44.7	39.7	20.2	14.9	29.8	2.0	2.6
Marion	0.3	25.6	37.3	21.6	9.5	35.4	2.2	17.8
Marshall	0.3	25.2	30.4	21.8	13.2	28.1	0.9	4.1
Mason	0.0	31.3	32.9	23.6	15.3	26.5	0.3	2.9
Mercer	0.6	30.8	44.3	18.0	15.1	31.0	1.8	4.4
Mineral	0.0	28.8	52.5	18.8	15.0	38.4	2.5	14.8
Mingo	0.0	39.8	24.9	25.6	25.9	10.0	0.6	1.2
Monongalia	0.2	15.6	24.1	23.0	5.5	27.2	1.0	3.5
Monroe	0.0	18.0	36.9	17.4	11.4	38.3	1.3	7.4
Morgan	0.6	24.4	50.0	15.0	21.9	29.7	1.3	3.8
Nicholas	0.0	24.8	41.8	22.2	13.8	34.7	2.6	8.7
Ohio	0.5	24.6	34.7	23.7	12.5	27.5	1.1	3.8
Pendleton	0.0	17.6	42.5	16.4	19.2	50.7	1.4	6.8
Pleasants	1.5	15.6	22.1	14.3	9.1	24.7	0.0	0.0
Pocahontas	1.1	28.3	29.3	21.7	4.3	50.0	1.1	18.5
Preston	0.8	28.2	26.3	21.4	8.0	50.5	3.0	4.1
Putnam	0.0	17.6	26.8	24.8	15.5	34.9	0.0	1.5
Raleigh	0.0	23.8	58.5	16.2	13.8	40.6	5.4	12.1
Randolph	0.3	31.3	29.2	22.2	14.8	31.7	2.5	7.1
Ritchie	0.0	31.9	32.1	23.9	11.5	28.3	1.8	2.7
Roane	0.0	36.0	38.7	20.1	22.0	35.4	1.2	0.6
Summers	0.0	29.3	49.1	21.7	6.1	47.0	6.0	20.7
Taylor	0.6	23.0	37.5	26.3	16.3	31.9	1.9	6.3
Tucker	0.0	15.2	30.3	25.0	6.3	57.6	1.5	9.1
Tyler	1.5	36.0	29.3	26.7	24.0	36.0	1.3	1.3
Upshur	0.8	27.5	28.3	16.9	10.8	25.1	3.5	5.1
Wayne	0.0	32.6	34.1	19.6	17.2	22.6	0.9	2.2
Webster	0.0	29.4	30.3	16.5	11.9	24.8	0.9	4.6
Wetzel	0.0	39.8	39.8	19.4	11.2	27.5	1.2	5.3
Wirt	0.0	35.5	16.4	25.8	12.9	25.8	0.0	3.2
Wood	0.4	26.6	20.8	18.8	13.1	25.1	0.6	1.7
Wyoming	0.0	32.8	57.1	17.5	17.1	37.2	4.2	15.5
Total	0.3	27.0	36.3	20.8	14.9	32.2	1.6	5.4

Number of Deaths by Race, Gender, and County of Residence
West Virginia, 2008

Table 51

County	White or Caucasian*		Black or African American		All Other Races		Total
	Male	Female	Male	Female	Male	Female	
Barbour	85	92	0	1	0	0	178
Berkeley	423	343	25	17	0	1	809
Boone	183	180	2	1	0	0	366
Braxton	96	84	2	1	0	0	183
Brooke	129	178	0	1	0	0	308
Cabell	587	611	28	22	1	4	1,253
Calhoun	39	51	0	0	0	0	90
Clay	59	63	0	0	0	0	122
Doddridge	37	43	0	0	0	0	80
Fayette	276	323	10	17	0	0	626
Gilmer	46	35	0	0	0	0	81
Grant	56	58	2	0	0	0	116
Greenbrier	231	252	7	7	0	0	497
Hampshire	114	93	2	0	0	0	209
Hancock	195	214	3	7	0	0	419
Hardy	54	74	1	0	0	0	129
Harrison	383	424	8	7	1	1	824
Jackson	166	179	0	0	0	0	345
Jefferson	179	187	15	17	1	1	400
Kanawha	1,164	1,231	85	83	4	5	2,572
Lewis	100	119	0	0	0	0	219
Lincoln	139	129	0	0	0	0	268
Logan	252	235	6	5	0	0	498
McDowell	177	158	21	17	0	0	373
Marion	318	388	11	12	1	0	730
Marshall	196	208	0	0	1	1	406
Mason	162	140	4	3	0	0	309
Mercer	407	389	28	23	1	1	849
Mineral	144	128	6	4	0	0	282
Mingo	192	181	4	3	0	0	380
Monongalia	302	312	8	10	3	0	635
Monroe	91	71	0	3	0	0	165
Morgan	104	88	1	2	0	1	196
Nicholas	178	147	0	0	1	0	326
Ohio	260	294	5	9	1	1	570
Pendleton	49	57	0	0	0	0	106
Pleasants	40	43	0	0	0	0	83
Pocahontas	50	55	1	0	0	0	106
Preston	176	168	1	1	0	0	346
Putnam	283	251	1	1	0	0	536
Raleigh	403	442	38	35	0	0	918
Randolph	143	192	3	0	0	0	338
Ritchie	60	68	0	0	0	0	128
Roane	105	83	1	0	0	0	189
Summers	105	88	3	1	0	0	197
Taylor	87	105	2	0	0	1	195
Tucker	44	40	0	0	0	0	84
Tyler	60	49	0	0	0	0	109
Upshur	109	126	0	1	0	1	237
Wayne	225	219	0	0	1	1	446
Webster	57	53	0	0	0	0	110
Wetzel	101	106	0	0	0	0	207
Wirt	37	31	0	0	0	0	68
Wood	498	515	6	1	0	0	1,020
Wyoming	158	157	0	0	0	0	315
Total	10,314	10,550	340	312	16	19	21,551

Number of Deaths by County of Residence and Occurrence
West Virginia, 2008
Table 52

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	178	139	Monongalia	635	1,362
Berkeley	809	774	Monroe	165	74
Boone	366	231	Morgan	196	129
Braxton	183	143	Nicholas	326	258
Brooke	308	386	Ohio	570	906
Cabell	1,253	2,090	Pendleton	106	53
Calhoun	90	54	Pleasants	83	39
Clay	122	64	Pocahontas	106	89
Doddridge	80	38	Preston	346	263
Fayette	626	445	Putnam	536	381
Gilmer	81	45	Raleigh	918	1,150
Grant	116	141	Randolph	338	343
Greenbrier	497	452	Ritchie	128	58
Hampshire	209	131	Roane	189	143
Hancock	419	157	Summers	197	138
Hardy	129	75	Taylor	195	151
Harrison	824	934	Tucker	84	61
Jackson	345	269	Tyler	109	74
Jefferson	400	328	Upshur	237	172
Kanawha	2,572	3,236	Wayne	446	308
Lewis	219	187	Webster	110	76
Lincoln	268	122	Wetzel	207	168
Logan	498	443	Wirt	68	26
McDowell	373	252	Wood	1,020	1,133
Marion	730	579	Wyoming	315	122
Marshall	406	271			
Mason	309	259			
Mercer	849	906	Total	21,551	21,221
Mineral	282	171			
Mingo	380	222			

West Virginia Bureau for Public Health
Health Statistics Center, 2010

Resident deaths include 1,933 West Virginians dying out of state

Method of Disposition by County of Residence

West Virginia Deaths, 2008

Table 53

County	Method of Disposition										Un-known	Total
	Burial		Cremation		Donation		Removal From State		Other			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
Barbour	141	79.2%	36	20.2%	1	0.6%	0	0.0%	0	0.0%	0	178
Berkeley	394	59.3%	250	37.7%	15	2.3%	2	0.3%	3	0.5%	145	809
Boone	329	89.9%	30	8.2%	2	0.5%	0	0.0%	5	1.4%	0	366
Braxton	149	82.3%	26	14.4%	4	2.2%	1	0.6%	1	0.6%	2	183
Brooke	181	59.2%	73	23.9%	1	0.3%	35	11.4%	16	5.2%	2	308
Cabell	993	79.8%	182	14.6%	13	1.0%	9	0.7%	47	3.8%	9	1,253
Calhoun	74	82.2%	14	15.6%	0	0.0%	2	2.2%	0	0.0%	0	90
Clay	101	82.8%	17	13.9%	1	0.8%	2	1.6%	1	0.8%	0	122
Doddridge	66	82.5%	13	16.3%	0	0.0%	1	1.3%	0	0.0%	0	80
Fayette	470	76.8%	95	15.5%	5	0.8%	4	0.7%	38	6.2%	14	626
Gilmer	73	91.3%	6	7.5%	1	1.3%	0	0.0%	0	0.0%	1	81
Grant	89	86.4%	12	11.7%	0	0.0%	0	0.0%	2	1.9%	13	116
Greenbrier	334	74.4%	96	21.4%	4	0.9%	3	0.7%	12	2.7%	48	497
Hampshire	86	61.0%	51	36.2%	3	2.1%	1	0.7%	0	0.0%	68	209
Hancock	227	54.4%	97	23.3%	2	0.5%	56	13.4%	35	8.4%	2	419
Hardy	81	77.1%	23	21.9%	1	1.0%	0	0.0%	0	0.0%	24	129
Harrison	621	75.6%	157	19.1%	17	2.1%	3	0.4%	23	2.8%	3	824
Jackson	267	77.8%	63	18.4%	3	0.9%	5	1.5%	5	1.5%	2	345
Jefferson	182	57.2%	126	39.6%	7	2.2%	1	0.3%	2	0.6%	82	400
Kanawha	1,746	68.3%	568	22.2%	66	2.6%	19	0.7%	159	6.2%	14	2,572
Lewis	182	83.1%	32	14.6%	4	1.8%	1	0.5%	0	0.0%	0	219
Lincoln	241	89.9%	22	8.2%	2	0.7%	0	0.0%	3	1.1%	0	268
Logan	420	85.0%	46	9.3%	3	0.6%	4	0.8%	21	4.3%	4	498
McDowell	282	85.5%	32	9.7%	2	0.6%	2	0.6%	12	3.6%	43	373
Marion	545	75.3%	150	20.7%	11	1.5%	3	0.4%	15	2.1%	6	730
Marshall	275	67.7%	103	25.4%	2	0.5%	8	2.0%	18	4.4%	0	406
Mason	230	74.4%	50	16.2%	0	0.0%	28	9.1%	1	0.3%	0	309
Mercer	555	72.2%	161	20.9%	3	0.4%	4	0.5%	46	6.0%	80	849
Mineral	120	76.4%	35	22.3%	1	0.6%	1	0.6%	0	0.0%	125	282
Mingo	334	89.3%	26	7.0%	2	0.5%	6	1.6%	6	1.6%	6	380
Monongalia	454	72.4%	149	23.8%	16	2.6%	1	0.2%	7	1.1%	8	635
Monroe	111	84.7%	19	14.5%	0	0.0%	0	0.0%	1	0.8%	34	165
Morgan	85	60.3%	53	37.6%	2	1.4%	0	0.0%	1	0.7%	55	196
Nicholas	266	82.4%	52	16.1%	3	0.9%	2	0.6%	0	0.0%	3	326
Ohio	338	59.5%	185	32.6%	5	0.9%	6	1.1%	34	6.0%	2	570
Pendleton	66	90.4%	7	9.6%	0	0.0%	0	0.0%	0	0.0%	33	106
Pleasants	70	84.3%	11	13.3%	0	0.0%	2	2.4%	0	0.0%	0	83
Pocahontas	77	79.4%	19	19.6%	0	0.0%	0	0.0%	1	1.0%	9	106
Preston	255	77.0%	61	18.4%	8	2.4%	3	0.9%	4	1.2%	15	346
Putnam	387	72.9%	97	18.3%	7	1.3%	8	1.5%	32	6.0%	5	536
Raleigh	651	72.0%	175	19.4%	6	0.7%	11	1.2%	61	6.7%	14	918
Randolph	249	74.1%	77	22.9%	3	0.9%	1	0.3%	6	1.8%	2	338
Ritchie	99	78.0%	20	15.7%	1	0.8%	7	5.5%	0	0.0%	1	128
Roane	147	77.8%	38	20.1%	1	0.5%	3	1.6%	0	0.0%	0	189
Summers	161	84.3%	26	13.6%	0	0.0%	1	0.5%	3	1.6%	6	197
Taylor	158	81.4%	31	16.0%	2	1.0%	1	0.5%	2	1.0%	1	195
Tucker	67	85.9%	10	12.8%	0	0.0%	1	1.3%	0	0.0%	6	84
Tyler	96	88.1%	10	9.2%	2	1.8%	1	0.9%	0	0.0%	0	109
Upshur	178	76.1%	47	20.1%	4	1.7%	3	1.3%	2	0.9%	3	237
Wayne	394	88.5%	41	9.2%	0	0.0%	2	0.4%	8	1.8%	1	446
Webster	90	83.3%	14	13.0%	1	0.9%	1	0.9%	2	1.9%	2	110
Wetzel	160	77.3%	40	19.3%	3	1.4%	4	1.9%	0	0.0%	0	207
Wirt	54	79.4%	12	17.6%	1	1.5%	1	1.5%	0	0.0%	0	68
Wood	719	71.0%	220	21.7%	23	2.3%	31	3.1%	19	1.9%	8	1,020
Wyoming	261	83.7%	39	12.5%	0	0.0%	1	0.3%	11	3.5%	3	315
Total	15,381	74.5%	4,045	19.6%	264	1.3%	292	1.4%	665	3.2%	904	21,551

Note: Majority of unknown disposition are likely due to residents dying out of state.

*Percentage calculated excluding unknown disposition.

Method of Disposition by County of Occurrence

West Virginia Deaths, 2008

Table 53 (Cont'd)

County	Method of Disposition										Un-known	Total
	Burial		Cremation		Donation		Removal From State		Other			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
Barbour	107	77.0%	28	20.1%	4	2.9%	0	0.0%	0	0.0%	0	139
Berkeley	468	60.7%	285	37.0%	14	1.8%	0	0.0%	4	0.5%	3	774
Boone	214	92.6%	14	6.1%	1	0.4%	0	0.0%	2	0.9%	0	231
Braxton	120	83.9%	19	13.3%	3	2.1%	0	0.0%	1	0.7%	0	143
Brooke	253	65.5%	96	24.9%	2	0.5%	1	0.3%	34	8.8%	0	386
Cabell	1,701	81.5%	299	14.3%	20	1.0%	3	0.1%	65	3.1%	2	2,090
Calhoun	45	83.3%	9	16.7%	0	0.0%	0	0.0%	0	0.0%	0	54
Clay	53	82.8%	10	15.6%	1	1.6%	0	0.0%	0	0.0%	0	64
Doddridge	31	81.6%	7	18.4%	0	0.0%	0	0.0%	0	0.0%	0	38
Fayette	334	75.1%	78	17.5%	5	1.1%	0	0.0%	28	6.3%	0	445
Gilmer	40	88.9%	4	8.9%	1	2.2%	0	0.0%	0	0.0%	0	45
Grant	120	85.1%	20	14.2%	0	0.0%	0	0.0%	1	0.7%	0	141
Greenbrier	352	77.9%	86	19.0%	3	0.7%	0	0.0%	11	2.4%	0	452
Hampshire	82	62.6%	46	35.1%	3	2.3%	0	0.0%	0	0.0%	0	131
Hancock	105	66.9%	38	24.2%	2	1.3%	0	0.0%	12	7.6%	0	157
Hardy	58	77.3%	16	21.3%	1	1.3%	0	0.0%	0	0.0%	0	75
Harrison	708	75.8%	184	19.7%	21	2.2%	0	0.0%	21	2.2%	0	934
Jackson	216	80.6%	42	15.7%	3	1.1%	0	0.0%	7	2.6%	1	269
Jefferson	193	58.8%	127	38.7%	7	2.1%	0	0.0%	1	0.3%	0	328
Kanawha	2,314	71.6%	663	20.5%	69	2.1%	1	0.0%	185	5.7%	4	3,236
Lewis	165	88.2%	20	10.7%	2	1.1%	0	0.0%	0	0.0%	0	187
Lincoln	107	87.7%	12	9.8%	1	0.8%	0	0.0%	2	1.6%	0	122
Logan	386	87.1%	36	8.1%	4	0.9%	0	0.0%	17	3.8%	0	443
McDowell	216	85.7%	27	10.7%	1	0.4%	1	0.4%	7	2.8%	0	252
Marion	441	76.2%	118	20.4%	10	1.7%	0	0.0%	10	1.7%	0	579
Marshall	190	70.1%	69	25.5%	1	0.4%	0	0.0%	11	4.1%	0	271
Mason	204	78.8%	54	20.8%	0	0.0%	0	0.0%	1	0.4%	0	259
Mercer	686	75.8%	167	18.5%	3	0.3%	0	0.0%	49	5.4%	1	906
Mineral	131	76.6%	39	22.8%	1	0.6%	0	0.0%	0	0.0%	0	171
Mingo	198	89.2%	22	9.9%	0	0.0%	0	0.0%	2	0.9%	0	222
Monongalia	997	73.4%	323	23.8%	20	1.5%	1	0.1%	18	1.3%	3	1,362
Monroe	58	78.4%	14	18.9%	0	0.0%	0	0.0%	2	2.7%	0	74
Morgan	79	61.2%	47	36.4%	2	1.6%	0	0.0%	1	0.8%	0	129
Nicholas	215	83.3%	39	15.1%	2	0.8%	0	0.0%	2	0.8%	0	258
Ohio	573	63.4%	274	30.3%	7	0.8%	1	0.1%	49	5.4%	2	906
Pendleton	46	86.8%	7	13.2%	0	0.0%	0	0.0%	0	0.0%	0	53
Pleasants	32	82.1%	7	17.9%	0	0.0%	0	0.0%	0	0.0%	0	39
Pocahontas	68	76.4%	21	23.6%	0	0.0%	0	0.0%	0	0.0%	0	89
Preston	209	79.5%	42	16.0%	7	2.7%	1	0.4%	4	1.5%	0	263
Putnam	291	76.6%	65	17.1%	6	1.6%	0	0.0%	18	4.7%	1	381
Raleigh	862	75.0%	211	18.4%	7	0.6%	1	0.1%	68	5.9%	1	1,150
Randolph	264	77.2%	72	21.1%	2	0.6%	0	0.0%	4	1.2%	1	343
Ritchie	46	79.3%	11	19.0%	1	1.7%	0	0.0%	0	0.0%	0	58
Roane	116	81.1%	27	18.9%	0	0.0%	0	0.0%	0	0.0%	0	143
Summers	116	84.1%	21	15.2%	0	0.0%	0	0.0%	1	0.7%	0	138
Taylor	125	82.8%	24	15.9%	0	0.0%	0	0.0%	2	1.3%	0	151
Tucker	51	83.6%	9	14.8%	0	0.0%	1	1.6%	0	0.0%	0	61
Tyler	66	89.2%	7	9.5%	1	1.4%	0	0.0%	0	0.0%	0	74
Upshur	131	76.6%	34	19.9%	3	1.8%	1	0.6%	2	1.2%	1	172
Wayne	267	87.0%	33	10.7%	2	0.7%	0	0.0%	5	1.6%	1	308
Webster	59	78.7%	15	20.0%	0	0.0%	0	0.0%	1	1.3%	1	76
Wetzel	139	82.7%	28	16.7%	1	0.6%	0	0.0%	0	0.0%	0	168
Wirt	21	80.8%	5	19.2%	0	0.0%	0	0.0%	0	0.0%	0	26
Wood	849	74.9%	237	20.9%	24	2.1%	2	0.2%	21	1.9%	0	1,133
Wyoming	100	82.0%	19	15.6%	0	0.0%	0	0.0%	3	2.5%	0	122
Total	16,018	75.6%	4,227	19.9%	268	1.3%	14	0.1%	672	3.2%	22	21,221

Number of Deaths by County of Residence
West Virginia, 2004-2008
Table 54

County	2004	2005	2006	2007	2008	County	2004	2005	2006	2007	2008
Barbour	190	195	200	164	178	Monongalia	613	632	599	626	635
Berkeley	767	710	740	736	809	Monroe	162	161	145	165	165
Boone	289	302	332	347	366	Morgan	174	183	187	183	196
Braxton	150	148	184	183	183	Nicholas	285	318	324	320	326
Brooke	332	312	338	349	308	Ohio	602	552	551	611	570
Cabell	1,165	1,225	1,129	1,259	1,253	Pendleton	99	92	95	97	106
Calhoun	91	98	78	88	90	Pleasants	85	102	69	79	83
Clay	113	123	136	121	122	Pocahontas	139	127	123	117	106
Doddridge	89	84	80	63	80	Preston	317	310	304	328	346
Fayette	602	586	608	646	626	Putnam	464	480	451	471	536
Gilmer	78	82	105	87	81	Raleigh	882	891	898	962	918
Grant	118	125	122	111	116	Randolph	353	328	337	307	338
Greenbrier	452	472	441	426	497	Ritchie	126	109	134	119	128
Hampshire	216	206	189	203	209	Roane	180	165	179	203	189
Hancock	424	441	393	403	419	Summers	165	150	146	152	197
Hardy	141	128	132	138	129	Taylor	195	180	165	171	195
Harrison	844	834	828	854	824	Tucker	85	90	77	86	84
Jackson	259	330	305	317	345	Tyler	104	107	105	112	109
Jefferson	388	379	381	433	400	Upshur	267	261	260	272	237
Kanawha	2,463	2,489	2,398	2,439	2,572	Wayne	446	508	465	433	446
Lewis	209	234	235	240	219	Webster	119	110	127	121	110
Lincoln	276	242	254	263	268	Wetzel	234	185	220	205	207
Logan	475	526	507	484	498	Wirt	58	73	59	49	68
McDowell	397	348	380	374	373	Wood	931	939	935	948	1,020
Marion	694	657	670	696	730	Wyoming	327	296	289	312	315
Marshall	396	394	388	374	406						
Mason	289	311	321	294	309						
Mercer	816	795	819	897	849	Total	20,776	20,773	20,649	21,067	21,551
Mineral	304	313	321	277	282						
Mingo	337	335	391	352	380						

Age at Death by County of Residence
West Virginia, 2008
Table 55

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	0	0	0	0	0	0	1	5	16	26	33	50	47	73.8
Berkeley	809	16	0	2	0	3	4	21	37	69	137	151	215	154	68.4
Boone	366	4	0	0	0	1	3	5	7	45	60	64	98	79	70.3
Braxton	183	1	0	0	2	0	1	6	8	9	21	33	53	49	72.3
Brooke	308	1	0	1	0	1	2	3	8	14	34	53	90	101	75.3
Cabell	1,253	13	1	3	1	2	9	23	38	95	156	212	355	345	72.3
Calhoun	90	0	0	0	0	1	0	1	1	4	18	20	19	26	73.7
Clay	122	1	0	0	0	0	0	4	5	7	23	24	33	25	70.9
Doddridge	80	0	0	0	0	0	0	2	2	6	13	13	26	18	72.5
Fayette	626	4	0	0	2	4	5	6	22	46	87	131	163	156	71.5
Gilmer	81	0	0	0	0	0	0	1	2	3	5	22	25	23	76.0
Grant	116	1	1	0	1	0	1	0	5	7	17	16	31	36	73.0
Greenbrier	497	1	1	0	0	4	1	4	13	35	46	102	153	137	74.2
Hampshire	209	0	0	0	1	1	0	6	9	17	30	34	67	44	71.2
Hancock	419	4	0	0	0	1	0	6	13	22	43	73	129	128	74.7
Hardy	129	1	0	0	0	0	1	1	11	5	18	21	34	37	72.2
Harrison	824	12	2	0	0	2	8	14	16	58	79	133	233	267	73.9
Jackson	345	3	2	0	0	7	2	3	4	22	29	64	100	109	74.2
Jefferson	400	2	0	0	0	1	5	12	17	30	67	79	99	88	70.3
Kanawha	2,572	19	7	0	2	7	22	32	87	200	306	402	758	730	73.0
Lewis	219	1	2	0	0	1	0	5	5	12	30	47	50	66	73.2
Lincoln	268	1	1	0	0	3	4	2	13	19	49	70	55	51	68.9
Logan	498	1	1	1	1	2	4	9	17	40	100	96	132	94	69.7
McDowell	373	5	0	0	0	1	0	10	15	41	73	66	99	63	68.2
Marion	730	10	0	0	0	2	7	10	19	40	73	127	206	236	74.4
Marshall	406	5	1	0	0	1	3	2	8	27	45	86	106	122	73.8
Mason	309	2	0	1	0	0	1	5	11	25	39	63	78	84	72.3
Mercer	849	5	3	0	0	2	5	26	26	53	124	135	240	230	72.3
Mineral	282	1	0	1	0	1	2	2	10	16	28	62	83	76	73.9
Mingo	380	5	2	0	0	1	1	7	24	33	65	81	98	63	67.8
Monongalia	635	5	0	2	1	1	5	13	13	44	75	102	177	197	73.8
Monroe	165	0	0	0	1	0	2	1	9	9	18	34	40	51	73.6
Morgan	196	1	0	0	1	2	2	3	11	11	26	40	55	44	70.6
Nicholas	326	3	0	0	0	0	1	7	8	21	49	62	94	81	72.5
Ohio	570	2	1	1	0	2	5	5	9	22	55	96	175	197	76.4
Pendleton	106	1	0	0	0	0	0	1	1	7	11	12	30	43	77.7
Pleasants	83	0	0	0	0	0	1	1	1	3	10	15	30	22	75.2
Pocahontas	106	0	0	0	0	1	0	0	6	8	14	11	31	35	75.0
Preston	346	2	0	0	1	2	1	6	6	22	49	63	111	83	72.9
Putnam	536	3	1	0	0	1	7	14	9	37	82	104	156	122	71.6
Raleigh	918	6	1	0	1	5	5	15	28	69	143	152	250	243	72.2
Randolph	338	6	2	0	0	1	1	4	8	20	45	51	86	114	73.7
Ritchie	128	0	0	0	1	0	1	2	2	11	15	21	41	34	74.0
Roane	189	0	0	0	0	0	1	3	6	10	26	38	50	55	74.0
Summers	197	1	0	0	0	1	2	6	9	18	20	31	58	51	71.7
Taylor	195	1	0	0	0	1	1	1	7	23	20	35	50	56	72.6
Tucker	84	0	0	0	0	0	0	0	2	4	10	10	24	34	77.5
Tyler	109	0	0	0	1	0	0	3	2	11	7	27	34	24	72.0
Upshur	237	2	0	0	1	6	1	3	9	8	31	40	68	68	72.5
Wayne	446	4	3	0	0	4	3	11	20	38	50	75	135	103	70.4
Webster	110	1	0	0	0	0	0	2	6	6	14	28	28	25	71.7
Wetzel	207	1	1	0	0	2	1	4	5	10	15	36	66	66	75.0
Wirt	68	1	0	0	0	0	2	1	0	9	9	15	12	19	71.1
Wood	1,020	5	1	0	1	2	3	13	28	69	117	187	319	275	73.9
Wyoming	315	2	3	1	1	0	3	8	20	30	41	71	93	42	67.5
Total	21,551	166	37	13	20	80	139	356	683	1,536	2,793	3,869	6,091	5,768	72.5

Place Death Occurred by County of Residence
West Virginia, 2008
Table 56

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 Unknown	
Barbour	60	3	10	0	26	9	63	7	178
Berkeley	276	131	3	0	122	7	241	29	809
Boone	158	4	0	0	32	6	116	50	366
Braxton	63	3	1	0	23	0	76	17	183
Brooke	94	46	1	0	58	10	86	13	308
Cabell	491	22	2	0	150	11	283	294	1,253
Calhoun	27	3	0	18	13	0	21	8	90
Clay	42	3	3	0	13	2	36	23	122
Doddridge	33	4	0	0	4	0	30	9	80
Fayette	300	18	7	0	76	8	116	101	626
Gilmer	33	1	0	1	13	0	26	7	81
Grant	44	9	0	1	33	0	27	2	116
Greenbrier	185	45	5	0	101	9	118	34	497
Hampshire	19	62	2	0	42	1	61	22	209
Hancock	110	109	0	0	66	23	91	20	419
Hardy	25	21	0	0	30	3	43	7	129
Harrison	358	14	5	0	134	8	253	52	824
Jackson	136	5	2	0	80	0	88	34	345
Jefferson	104	69	3	0	59	5	129	31	400
Kanawha	963	36	7	0	304	70	693	499	2,572
Lewis	110	3	0	0	35	3	57	11	219
Lincoln	114	2	0	0	26	0	67	59	268
Logan	277	10	1	0	24	23	80	83	498
McDowell	144	39	14	0	30	8	64	74	373
Marion	299	16	0	0	155	14	215	31	730
Marshall	197	27	4	0	61	0	109	8	406
Mason	93	29	4	0	67	0	69	47	309
Mercer	350	61	13	0	113	43	208	61	849
Mineral	53	97	2	0	69	0	50	11	282
Mingo	145	79	8	0	19	7	58	64	380
Monongalia	272	10	2	2	88	27	200	34	635
Monroe	45	30	1	0	29	7	40	13	165
Morgan	35	51	3	0	34	2	61	10	196
Nicholas	139	8	8	0	47	2	88	34	326
Ohio	276	21	2	0	138	0	121	12	570
Pendleton	16	28	3	0	22	1	24	12	106
Pleasants	30	9	1	0	23	0	19	1	83
Pocahontas	32	10	0	0	18	1	36	9	106
Preston	108	15	2	0	72	4	124	21	346
Putnam	206	11	1	0	76	16	142	84	536
Raleigh	433	18	27	0	90	6	165	179	918
Randolph	118	2	51	0	64	21	53	29	338
Ritchie	49	5	0	0	24	2	39	9	128
Roane	86	2	0	0	31	3	50	17	189
Summers	83	8	2	0	25	3	45	31	197
Taylor	87	4	5	0	24	7	60	8	195
Tucker	20	6	4	4	23	1	22	4	84
Tyler	52	2	0	0	21	1	26	7	109
Upshur	97	7	2	0	36	11	68	16	237
Wayne	148	28	0	0	45	2	131	92	446
Webster	56	0	2	0	12	0	32	8	110
Wetzel	74	9	1	0	52	2	53	16	207
Wirt	34	2	1	0	7	0	18	6	68
Wood	440	64	7	0	216	5	267	21	1,020
Wyoming	138	12	8	0	17	1	45	94	315
Total	8,377	1,333	230	26	3,212	395	5,503	2,475	21,551

Firearm Injury Deaths by Type of Injury and County
West Virginia Residents, 2008

Table 57

County	Un-intentional	Intentional			Un-determined	Total
		Suicide	Assault	Legal Intervention		
Barbour	0	1	0	0	0	1
Berkeley	0	8	0	0	0	8
Boone	0	4	0	0	0	4
Braxton	0	1	1	0	0	2
Brooke	0	3	0	0	1	4
Cabell	0	10	5	2	0	17
Calhoun	0	1	0	0	0	1
Clay	0	0	0	0	0	0
Doddridge	0	0	0	0	0	0
Fayette	0	5	1	0	0	6
Gilmer	0	0	0	0	0	0
Grant	0	0	0	0	0	0
Greenbrier	0	5	0	0	0	5
Hampshire	1	5	0	0	0	6
Hancock	0	2	1	0	0	3
Hardy	1	2	0	0	0	3
Harrison	0	7	2	1	0	10
Jackson	0	2	1	0	0	3
Jefferson	0	5	0	0	0	5
Kanawha	0	16	8	0	0	24
Lewis	0	2	1	0	0	3
Lincoln	0	4	1	0	1	6
Logan	0	3	2	0	0	5
McDowell	0	4	2	1	0	7
Marion	0	5	0	0	0	5
Marshall	0	2	1	0	0	3
Mason	0	3	0	0	0	3
Mercer	0	10	4	0	0	14
Mineral	0	1	0	0	0	1
Mingo	0	2	1	0	0	3
Monongalia	0	2	0	0	1	3
Monroe	0	1	0	0	0	1
Morgan	0	1	0	0	0	1
Nicholas	0	4	0	0	0	4
Ohio	0	2	2	0	0	4
Pendleton	0	0	0	0	0	0
Pleasants	0	0	0	0	0	0
Pocahontas	0	3	0	0	0	3
Preston	0	2	0	0	0	2
Putnam	0	12	0	0	0	12
Raleigh	0	6	2	0	0	8
Randolph	0	4	0	0	0	4
Ritchie	0	2	0	0	0	2
Roane	0	3	0	0	0	3
Summers	0	2	0	0	0	2
Taylor	0	1	0	0	0	1
Tucker	0	0	0	0	0	0
Tyler	0	3	1	0	1	5
Upshur	0	3	0	0	0	3
Wayne	0	6	0	0	0	6
Webster	0	3	0	0	0	3
Wetzel	0	0	0	0	0	0
Wirt	0	1	0	0	0	1
Wood	0	11	1	0	0	12
Wyoming	0	5	1	0	0	6
Total	2	190	38	4	4	238

Number and Rate of Resident Infant Deaths by County
West Virginia Residents, 2004-2008

Table 58

County	2004		2005		2006		2007		2008	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Barbour	1	5.8	2	10.5	2	13.0	1	5.2	0	0.0
Berkeley	10	7.9	12	9.2	9	6.7	11	7.3	16	11.2
Boone	3	9.5	3	9.7	4	12.1	3	9.3	4	11.3
Braxton	0	0.0	3	20.8	0	0.0	2	11.4	1	6.8
Brooke	4	16.9	1	4.4	1	4.8	1	4.5	1	4.5
Cabell	9	7.9	11	9.6	12	9.9	18	14.6	13	10.3
Calhoun	1	16.7	0	0.0	2	23.8	0	0.0	0	0.0
Clay	2	14.9	0	0.0	0	0.0	2	13.6	1	7.0
Doddridge	0	0.0	0	0.0	0	0.0	1	15.4	0	0.0
Fayette	3	5.4	4	6.8	3	5.3	3	4.8	4	7.0
Gilmer	1	13.9	1	12.7	2	28.2	0	0.0	0	0.0
Grant	0	0.0	0	0.0	0	0.0	1	8.0	1	7.9
Greenbrier	1	2.7	3	7.9	2	5.3	2	5.0	1	2.5
Hampshire	3	13.4	5	21.1	1	4.3	1	3.7	0	0.0
Hancock	4	11.5	0	0.0	2	6.5	2	6.3	4	12.1
Hardy	0	0.0	0	0.0	2	12.7	2	11.3	1	6.1
Harrison	5	5.9	9	10.9	0	0.0	2	2.5	12	14.0
Jackson	5	16.0	3	9.0	1	3.2	1	3.0	3	8.2
Jefferson	6	9.4	3	4.6	4	6.0	3	4.1	2	2.9
Kanawha	14	5.7	18	7.9	12	5.2	18	7.6	19	7.9
Lewis	1	5.8	2	9.2	2	11.5	2	8.6	1	5.0
Lincoln	3	10.2	4	13.8	1	3.5	1	3.7	1	3.7
Logan	4	9.1	3	7.0	2	4.8	4	8.7	1	2.4
McDowell	1	3.2	4	14.5	7	23.6	1	3.4	5	16.6
Marion	5	8.0	3	4.9	2	3.3	2	3.0	10	16.0
Marshall	3	8.4	0	0.0	2	6.3	1	2.8	5	15.2
Mason	1	3.4	2	6.5	4	13.2	5	14.7	2	6.4
Mercer	7	9.8	2	2.8	5	7.0	7	9.3	5	6.1
Mineral	1	3.1	7	25.5	3	10.1	1	3.0	1	3.1
Mingo	1	2.7	5	13.5	4	10.9	5	12.6	5	14.4
Monongalia	3	3.2	7	7.9	8	8.7	2	2.2	5	5.4
Monroe	0	0.0	0	0.0	0	0.0	2	14.1	0	0.0
Morgan	1	6.2	1	6.3	2	12.5	0	0.0	1	6.3
Nicholas	0	0.0	3	9.2	2	6.8	5	15.4	3	9.6
Ohio	5	10.9	5	9.7	4	8.3	4	7.9	2	4.3
Pendleton	0	0.0	0	0.0	0	0.0	0	0.0	1	13.5
Pleasants	0	0.0	2	35.1	0	0.0	0	0.0	0	0.0
Pocahontas	4	44.0	1	13.2	2	20.8	0	0.0	0	0.0
Preston	3	9.3	1	3.4	3	8.5	4	11.6	2	5.4
Putnam	8	12.0	4	6.2	3	4.9	3	4.7	3	4.9
Raleigh	8	8.9	7	7.6	14	15.6	6	6.1	6	6.5
Randolph	2	6.3	4	11.3	1	3.2	2	5.8	6	18.4
Ritchie	3	24.0	0	0.0	3	31.9	1	9.6	0	0.0
Roane	0	0.0	0	0.0	0	0.0	1	5.7	0	0.0
Summers	1	9.2	1	9.3	1	8.7	2	16.4	1	8.6
Taylor	0	0.0	2	13.8	2	12.3	0	0.0	1	6.2
Tucker	0	0.0	0	0.0	0	0.0	2	24.1	0	0.0
Tyler	1	11.1	0	0.0	2	22.5	1	10.4	0	0.0
Upshur	2	7.0	2	7.4	4	13.7	1	3.7	2	7.8
Wayne	5	11.1	5	11.3	3	6.4	4	8.7	4	8.7
Webster	0	0.0	1	9.4	0	0.0	1	8.5	1	9.2
Wetzel	2	10.5	1	4.6	2	9.8	1	6.1	1	5.8
Wirt	0	0.0	0	0.0	0	0.0	0	0.0	1	16.1
Wood	10	10.1	10	9.8	8	8.2	14	13.4	5	5.2
Wyoming	1	4.0	1	3.7	0	0.0	4	16.0	2	7.7
Total	158	7.6	168	8.1	155	7.4	163	7.4	166	7.7

West Virginia Bureau for Public Health
Health Statistics Center, 2010

*Infant death rate = (infant deaths/live births) * 1,000 in each respective county.

Number and Ratio of Resident Fetal Deaths by County
West Virginia Residents, 2004-2008

Table 59

County	2004		2005		2006		2007		2008	
	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*
Barbour	1	5.8	1	5.3	0	0.0	3	15.5	1	5.7
Berkeley	6	4.7	6	4.6	4	3.0	10	6.6	3	2.1
Boone	3	9.5	7	22.7	4	12.1	3	9.3	1	2.8
Braxton	0	0.0	0	0.0	0	0.0	2	11.4	0	0.0
Brooke	2	8.4	2	8.9	1	4.8	2	9.1	3	13.5
Cabell	7	6.2	8	7.0	9	7.4	4	3.2	7	5.6
Calhoun	1	16.7	1	11.2	0	0.0	0	0.0	0	0.0
Clay	1	7.5	0	0.0	2	14.7	1	6.8	1	7.0
Doddridge	1	12.7	1	13.3	0	0.0	0	0.0	1	13.5
Fayette	3	5.4	1	1.7	2	3.5	8	12.7	5	8.8
Gilmer	0	0.0	0	0.0	1	14.1	1	12.5	0	0.0
Grant	1	7.6	0	0.0	0	0.0	1	8.0	0	0.0
Greenbrier	3	8.0	3	7.9	2	5.3	3	7.5	0	0.0
Hampshire	0	0.0	1	4.2	0	0.0	0	0.0	2	7.6
Hancock	1	2.9	3	9.2	1	3.2	0	0.0	0	0.0
Hardy	0	0.0	0	0.0	0	0.0	1	5.6	0	0.0
Harrison	5	5.9	8	9.7	4	4.7	3	3.7	2	2.3
Jackson	2	6.4	2	6.0	4	12.7	0	0.0	0	0.0
Jefferson	4	6.2	2	3.1	1	1.5	2	2.8	2	2.9
Kanawha	23	9.4	17	7.5	18	7.8	6	2.5	16	6.7
Lewis	0	0.0	0	0.0	7	40.2	2	8.6	2	9.9
Lincoln	0	0.0	0	0.0	2	7.0	4	14.9	0	0.0
Logan	4	9.1	2	4.7	2	4.8	6	13.1	2	4.8
McDowell	3	9.7	1	3.6	2	6.8	2	6.8	1	3.3
Marion	6	9.6	4	6.5	5	8.3	5	7.5	1	1.6
Marshall	2	5.6	1	3.3	1	3.2	1	2.8	1	3.0
Mason	2	6.7	1	3.2	3	9.9	2	5.9	3	9.6
Mercer	2	2.8	3	4.3	3	4.2	2	2.6	3	3.7
Mineral	0	0.0	1	3.6	0	0.0	0	0.0	0	0.0
Mingo	1	2.7	3	8.1	1	2.7	2	5.1	2	5.7
Monongalia	3	3.2	2	2.3	3	3.3	6	6.6	2	2.2
Monroe	1	8.1	0	0.0	0	0.0	0	0.0	0	0.0
Morgan	1	6.2	0	0.0	0	0.0	0	0.0	0	0.0
Nicholas	3	11.4	0	0.0	1	3.4	1	3.1	0	0.0
Ohio	3	6.6	0	0.0	4	8.3	4	7.9	2	4.3
Pendleton	0	0.0	0	0.0	0	0.0	0	0.0	1	13.5
Pleasants	0	0.0	0	0.0	0	0.0	0	0.0	1	13.0
Pocahontas	1	11.0	0	0.0	1	10.4	2	20.6	2	21.7
Preston	2	6.2	1	3.4	1	2.8	1	2.9	0	0.0
Putnam	1	1.5	6	9.3	1	1.6	2	3.1	6	9.8
Raleigh	10	11.1	5	5.4	8	8.9	10	10.1	6	6.5
Randolph	2	6.3	1	2.8	3	9.5	0	0.0	4	12.3
Ritchie	0	0.0	0	0.0	2	21.3	0	0.0	0	0.0
Roane	1	5.3	0	0.0	2	12.7	1	5.7	0	0.0
Summers	4	36.7	1	9.3	3	26.1	1	8.2	0	0.0
Taylor	0	0.0	2	13.8	0	0.0	1	6.1	0	0.0
Tucker	2	33.9	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	0	0.0	2	21.1	2	22.5	0	0.0	0	0.0
Upshur	2	7.0	4	14.8	1	3.4	1	3.7	1	3.9
Wayne	1	2.2	2	4.5	1	2.1	0	0.0	1	2.2
Webster	2	22.2	1	9.4	0	0.0	0	0.0	1	9.2
Wetzel	1	5.3	0	0.0	2	9.8	0	0.0	2	11.7
Wirt	1	16.4	1	18.9	0	0.0	0	0.0	0	0.0
Wood	9	9.1	8	7.8	5	5.1	9	8.6	5	5.2
Wyoming	1	4.0	0	0.0	1	3.7	1	4.0	1	3.9
Total	135	6.5	115	5.5	120	5.7	116	5.3	94	4.4

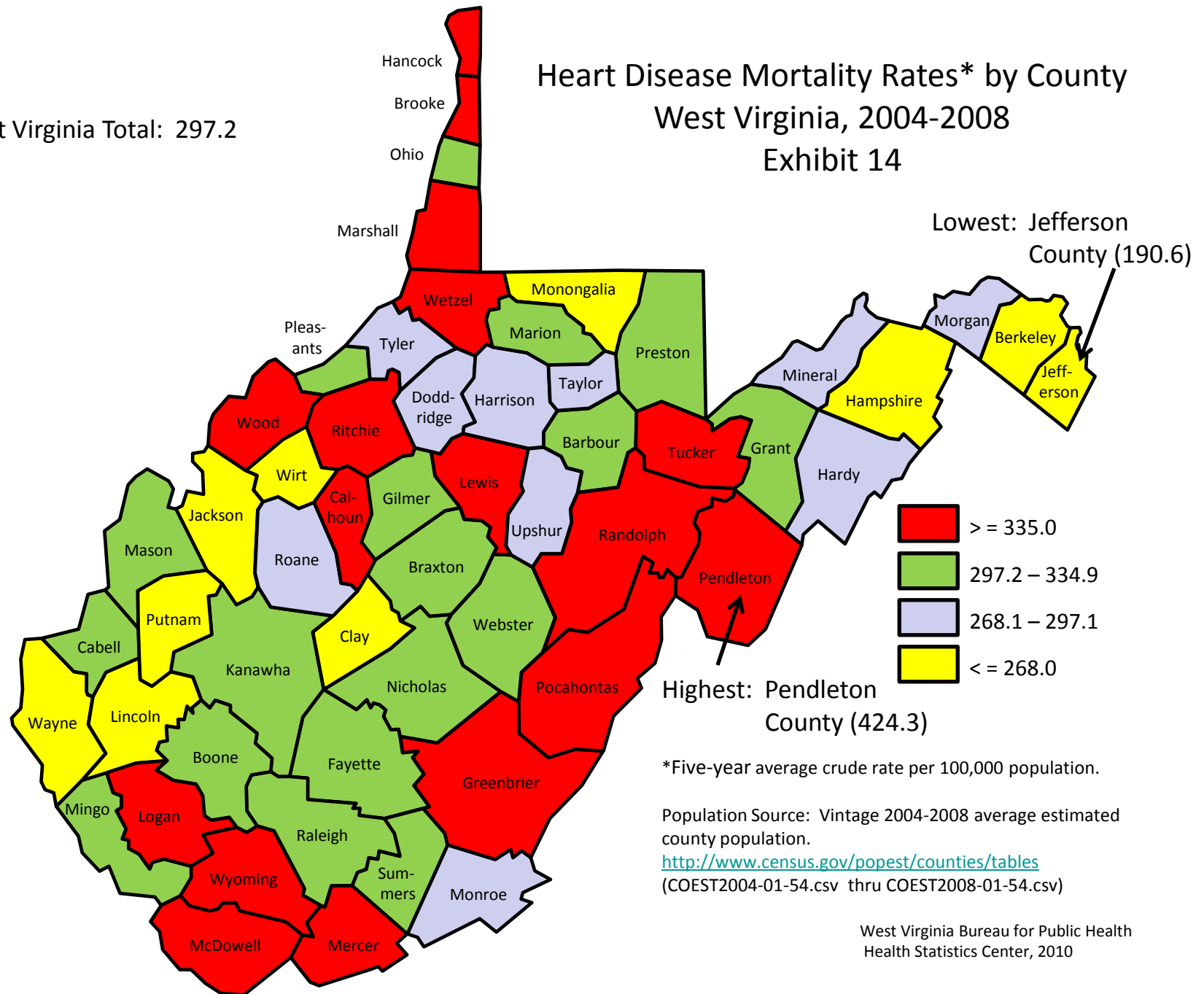
West Virginia Bureau for Public Health
Health Statistics Center, 2010

*Fetal death ratio = (fetal deaths/live births) * 1000 in each respective county.

West Virginia Total: 297.2

Heart Disease Mortality Rates* by County West Virginia, 2004-2008

Exhibit 14

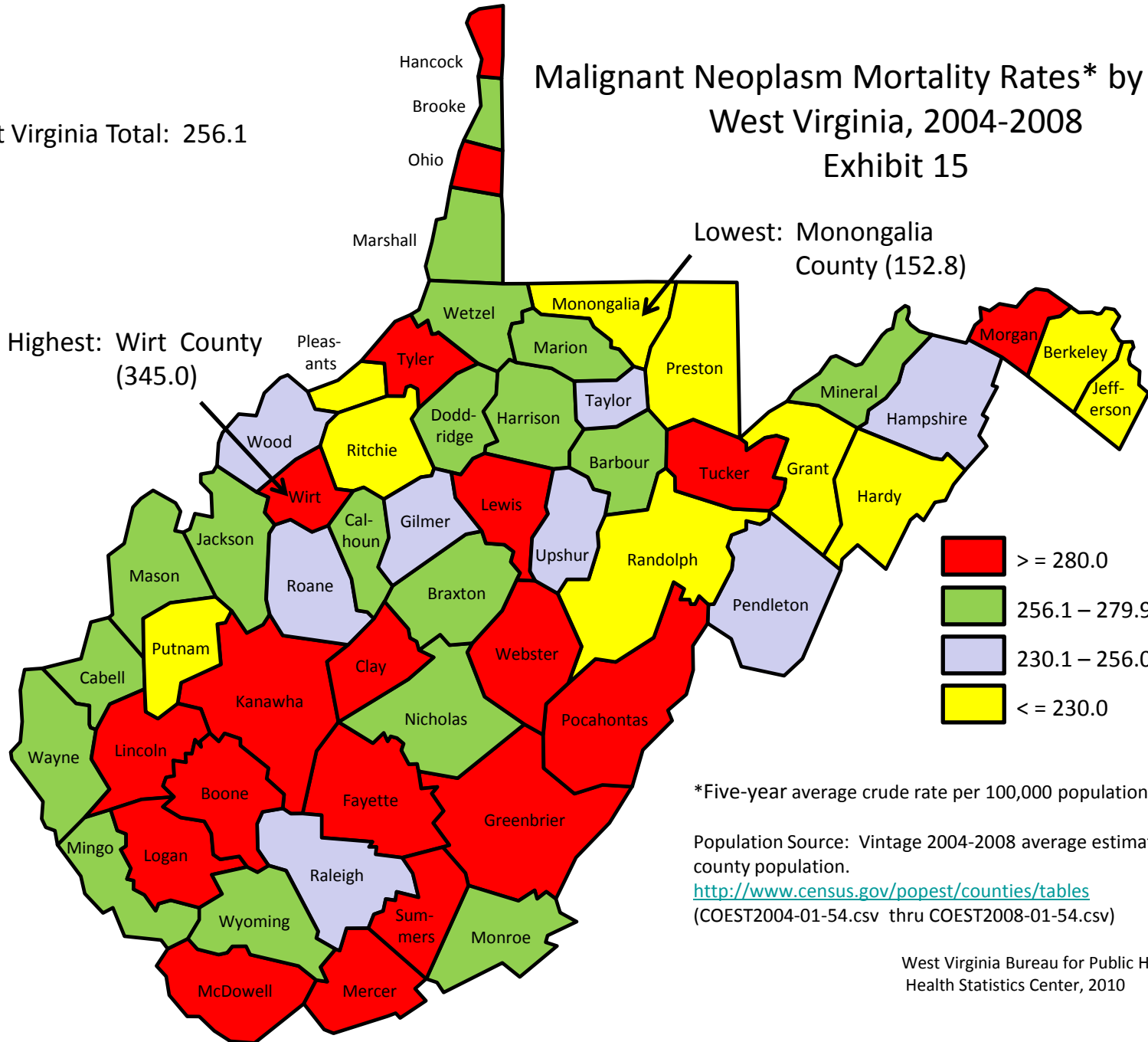


Malignant Neoplasm Mortality Rates* by County West Virginia, 2004-2008 Exhibit 15

West Virginia Total: 256.1

Highest: Wirt County
(345.0)

Lowest: Monongalia
County (152.8)



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

Population Source: Vintage 2004-2008 average estimated county population.

<http://www.census.gov/popest/counties/tables>
(COEST2004-01-54.csv thru COEST2008-01-54.csv)

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60

Selected Causes of Death	Number and Rate by County							
	Barbour		Berkeley		Boone		Braxton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	5.7	3	2.1	1	2.8	0	0.0
Total Deaths, All Causes	178	11.4	809	7.9	366	14.7	183	12.4
--Deaths Under One Year	0	0.0	16	11.2	4	11.3	1	6.8
--Deaths Under 28 Days	0	0.0	12	8.4	2	5.7	1	6.8
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	7	44.9	17	16.7	11	44.0	3	20.4
Human Immunodeficiency Virus Infection	0	0.0	2	2.0	0	0.0	0	0.0
Malignant Neoplasms	56	359.0	209	204.8	70	280.3	39	265.3
--of Digestive Organs	16	102.6	47	46.1	10	40.0	5	34.0
----Colon	7	44.9	12	11.8	2	8.0	2	13.6
----Pancreas	4	25.6	5	4.9	5	20.0	0	0.0
--of Respiratory and Intrathoracic Organs	15	96.2	68	66.6	38	152.1	14	95.2
----Trachea, Bronchus, and Lung	15	96.2	68	66.6	37	148.1	14	95.2
--of Breast	5	32.1	14	13.7	8	32.0	1	6.8
--of Genitourinary Organs	5	32.1	29	28.4	7	28.0	9	61.2
----Cervix Uteri	1	6.4	0	0.0	1	4.0	1	6.8
----Ovary	0	0.0	5	4.9	2	8.0	2	13.6
----Prostate	2	12.8	9	8.8	3	12.0	4	27.2
----Bladder	0	0.0	6	5.9	0	0.0	1	6.8
--All Other (Malignant Neoplasms)	15	96.2	51	50.0	7	28.0	10	68.0
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	12.8	6	5.9	6	24.0	1	6.8
Diabetes Mellitus	6	38.5	20	19.6	12	48.0	8	54.4
Dementia	2	12.8	16	15.7	13	52.0	5	34.0
Alzheimer's Disease	4	25.6	20	19.6	10	40.0	7	47.6
Major Cardiovascular Disease	46	294.9	243	238.1	115	460.4	61	415.0
--Diseases of the Heart	38	243.6	190	186.2	92	368.3	42	285.7
----Ischemic Heart Disease	22	141.0	126	123.5	69	276.3	29	197.3
--Essential Hypertension and Hypertensive Renal Disease	1	6.4	13	12.7	7	28.0	1	6.8
--Cerebrovascular Diseases (Stroke)	6	38.5	35	34.3	11	44.0	13	88.4
--Arteriosclerosis	1	6.4	1	1.0	1	4.0	1	6.8
--Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	4	3.9	4	16.0	4	27.2
Influenza and Pneumonia	5	32.1	13	12.7	3	12.0	2	13.6
--Influenza	1	6.4	2	2.0	0	0.0	0	0.0
--Pneumonia	4	25.6	11	10.8	3	12.0	2	13.6
Chronic Lower Respiratory Diseases	14	89.7	49	48.0	34	136.1	13	88.4
--Bronchitis, Emphysema, and Asthma	1	6.4	6	5.9	3	12.0	1	6.8
Lung Diseases due to External Agents	1	6.4	1	1.0	3	12.0	1	6.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	3	12.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	12	11.8	5	20.0	1	6.8
Nephritis, Nephrotic Syndrome, and Nephrosis	4	25.6	14	13.7	3	12.0	1	6.8
Congenital Malformations	0	0.0	8	7.8	2	8.0	2	13.6
Ill-Defined and Unknown Causes of Death	0	0.0	16	15.7	3	12.0	1	6.8
Accidents, All Forms	7	44.9	46	45.1	31	124.1	14	95.2
--Motor Vehicle	3	19.2	13	12.7	7	28.0	6	40.8
--Falls	1	6.4	5	4.9	3	12.0	2	13.6
--Drownings	0	0.0	1	1.0	1	4.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	0	0.0	1	4.0	0	0.0
--Poisonings	2	12.8	21	20.6	13	52.0	5	34.0
--Other Accidents	1	6.4	6	5.9	6	24.0	1	6.8
Intentional Self-Harm (Suicide)	1	6.4	12	11.8	4	16.0	2	13.6
Assault (Homicide)	0	0.0	2	2.0	1	4.0	1	6.8
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.4	3	2.9	2	8.0	1	6.8
All Other Causes (Residual)	22	141.0	100	98.0	38	152.1	20	136.1

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*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Brooke		Cabell		Calhoun		Clay	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	13.5	7	5.6	0	0.0	1	7.0
Total Deaths, All Causes	308	13.1	1,253	13.2	90	12.5	122	12.1
--Deaths Under One Year	1	4.5	13	10.3	0	0.0	1	7.0
--Deaths Under 28 Days	1	4.5	6	4.8	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	11	46.8	17	18.0	1	13.9	2	19.9
Human Immunodeficiency Virus Infection	3	12.8	3	3.2	0	0.0	0	0.0
Malignant Neoplasms	63	267.9	240	253.6	16	221.9	34	337.5
--of Digestive Organs	12	51.0	63	66.6	4	55.5	8	79.4
----Colon	4	17.0	25	26.4	3	41.6	4	39.7
----Pancreas	6	25.5	15	15.9	0	0.0	2	19.9
--of Respiratory and Intrathoracic Organs	25	106.3	80	84.5	7	97.1	10	99.3
----Trachea, Bronchus, and Lung	25	106.3	73	77.1	6	83.2	9	89.3
--of Breast	3	12.8	15	15.9	0	0.0	3	29.8
--of Genitourinary Organs	9	38.3	32	33.8	3	41.6	5	49.6
----Cervix Uteri	0	0.0	2	2.1	0	0.0	0	0.0
----Ovary	2	8.5	5	5.3	1	13.9	1	9.9
----Prostate	2	8.5	8	8.5	0	0.0	4	39.7
----Bladder	1	4.3	7	7.4	1	13.9	0	0.0
--All Other (Malignant Neoplasms)	14	59.5	50	52.8	2	27.7	8	79.4
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	5	5.3	3	41.6	1	9.9
Diabetes Mellitus	7	29.8	46	48.6	5	69.3	5	49.6
Dementia	3	12.8	64	67.6	2	27.7	8	79.4
Alzheimer's Disease	15	63.8	61	64.5	4	55.5	3	29.8
Major Cardiovascular Disease	118	501.7	375	396.3	32	443.7	32	317.6
--Diseases of the Heart	89	378.4	285	301.2	25	346.6	22	218.4
----Ischemic Heart Disease	55	233.8	198	209.2	18	249.6	15	148.9
--Essential Hypertension and Hypertensive Renal Disease	1	4.3	12	12.7	2	27.7	3	29.8
--Cerebrovascular Diseases (Stroke)	24	102.0	63	66.6	4	55.5	5	49.6
--Arteriosclerosis	2	8.5	7	7.4	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	2	8.5	8	8.5	1	13.9	2	19.9
Influenza and Pneumonia	5	21.3	21	22.2	1	13.9	1	9.9
--Influenza	0	0.0	3	3.2	0	0.0	0	0.0
--Pneumonia	5	21.3	18	19.0	1	13.9	1	9.9
Chronic Lower Respiratory Diseases	21	89.3	96	101.4	7	97.1	11	109.2
--Bronchitis, Emphysema, and Asthma	2	8.5	9	9.5	0	0.0	2	19.9
Lung Diseases due to External Agents	1	4.3	11	11.6	1	13.9	0	0.0
--Coal Worker's Pneumoconiosis	1	4.3	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	9	9.5	1	13.9	0	0.0
Nephritis, Nephrotic Syndrome, and Nephrosis	6	25.5	31	32.8	4	55.5	3	29.8
Congenital Malformations	1	4.3	4	4.2	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	5	21.3	18	19.0	1	13.9	3	29.8
Accidents, All Forms	13	55.3	56	59.2	2	27.7	9	89.3
--Motor Vehicle	1	4.3	9	9.5	1	13.9	5	49.6
--Falls	4	17.0	8	8.5	0	0.0	1	9.9
--Drownings	0	0.0	2	2.1	0	0.0	1	9.9
--Smoke, Fires, and Flames	0	0.0	1	1.1	0	0.0	0	0.0
--Poisonings	7	29.8	28	29.6	0	0.0	2	19.9
--Other Accidents	1	4.3	8	8.5	1	13.9	0	0.0
Intentional Self-Harm (Suicide)	4	17.0	18	19.0	1	13.9	1	9.9
Assault (Homicide)	0	0.0	8	8.5	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	4.3	8	8.5	0	0.0	0	0.0
All Other Causes (Residual)	31	131.8	162	171.2	9	124.8	9	89.3

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Doddridge		Fayette		Gilmer		Grant	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	13.5	5	8.8	0	0.0	0	0.0
Total Deaths, All Causes	80	11.1	626	13.5	81	11.8	116	9.6
--Deaths Under One Year	0	0.0	4	7.0	0	0.0	1	7.9
--Deaths Under 28 Days	0	0.0	3	5.3	0	0.0	1	7.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	27.8	14	30.2	2	29.1	2	16.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	8.3
Malignant Neoplasms	24	333.3	127	274.1	23	334.6	20	166.0
--of Digestive Organs	1	13.9	29	62.6	4	58.2	6	49.8
----Colon	0	0.0	9	19.4	1	14.5	5	41.5
----Pancreas	0	0.0	7	15.1	1	14.5	1	8.3
--of Respiratory and Intrathoracic Organs	10	138.9	44	94.9	12	174.6	6	49.8
----Trachea, Bronchus, and Lung	10	138.9	43	92.8	11	160.0	6	49.8
--of Breast	2	27.8	6	12.9	0	0.0	0	0.0
--of Genitourinary Organs	4	55.5	15	32.4	4	58.2	2	16.6
----Cervix Uteri	0	0.0	1	2.2	1	14.5	0	0.0
----Ovary	3	41.7	3	6.5	0	0.0	0	0.0
----Prostate	1	13.9	5	10.8	2	29.1	0	0.0
----Bladder	0	0.0	2	4.3	1	14.5	1	8.3
--All Other (Malignant Neoplasms)	7	97.2	33	71.2	3	43.6	6	49.8
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	1	2.2	0	0.0	1	8.3
Diabetes Mellitus	3	41.7	25	53.9	1	14.5	2	16.6
Dementia	2	27.8	19	41.0	3	43.6	2	16.6
Alzheimer's Disease	1	13.9	16	34.5	2	29.1	8	66.4
Major Cardiovascular Disease	25	347.2	194	418.6	25	363.7	49	406.7
--Diseases of the Heart	20	277.7	149	321.5	16	232.8	40	332.0
----Ischemic Heart Disease	14	194.4	94	202.8	13	189.1	30	249.0
--Essential Hypertension and Hypertensive Renal Disease	1	13.9	3	6.5	1	14.5	0	0.0
--Cerebrovascular Diseases (Stroke)	3	41.7	31	66.9	7	101.8	3	24.9
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	6	49.8
--Other Diseases of Arteries, Arterioles, and Capillaries	1	13.9	11	23.7	1	14.5	0	0.0
Influenza and Pneumonia	1	13.9	13	28.1	1	14.5	1	8.3
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	1	13.9	13	28.1	1	14.5	1	8.3
Chronic Lower Respiratory Diseases	8	111.1	43	92.8	8	116.4	7	58.1
--Bronchitis, Emphysema, and Asthma	0	0.0	2	4.3	1	14.5	1	8.3
Lung Diseases due to External Agents	1	13.9	11	23.7	0	0.0	1	8.3
--Coal Worker's Pneumoconiosis	0	0.0	5	10.8	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	12	25.9	1	14.5	0	0.0
Nephritis, Nephrotic Syndrome, and Nephrosis	1	13.9	15	32.4	2	29.1	4	33.2
Congenital Malformations	0	0.0	1	2.2	0	0.0	3	24.9
Ill-Defined and Unknown Causes of Death	0	0.0	5	10.8	2	29.1	1	8.3
Accidents, All Forms	4	55.5	40	86.3	5	72.7	3	24.9
--Motor Vehicle	3	41.7	22	47.5	3	43.6	2	16.6
--Falls	0	0.0	2	4.3	0	0.0	1	8.3
--Drownings	1	13.9	0	0.0	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	1	2.2	0	0.0	0	0.0
--Poisonings	0	0.0	13	28.1	2	29.1	0	0.0
--Other Accidents	0	0.0	2	4.3	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	1	13.9	6	12.9	0	0.0	0	0.0
Assault (Homicide)	1	13.9	2	4.3	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	4	8.6	0	0.0	1	8.3
All Other Causes (Residual)	6	83.3	78	168.3	6	87.3	10	83.0

West Virginia Bureau for Public Health
Health Statistics Center, 2010

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Greenbrier		Hampshire		Hancock		Hardy	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	2	7.6	0	0.0	0	0.0
Total Deaths, All Causes	497	14.4	209	9.3	419	14.0	129	9.5
--Deaths Under One Year	1	2.5	0	0.0	4	12.1	1	6.1
--Deaths Under 28 Days	1	2.5	0	0.0	3	9.1	1	6.1
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	11	31.8	0	0.0	7	23.3	4	29.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	104	300.9	69	305.7	97	323.2	27	198.7
--of Digestive Organs	21	60.8	12	53.2	22	73.3	7	51.5
----Colon	9	26.0	3	13.3	7	23.3	4	29.4
----Pancreas	3	8.7	4	17.7	5	16.7	2	14.7
--of Respiratory and Intrathoracic Organs	33	95.5	27	119.6	27	90.0	7	51.5
----Trachea, Bronchus, and Lung	32	92.6	26	115.2	27	90.0	7	51.5
--of Breast	6	17.4	6	26.6	6	20.0	3	22.1
--of Genitourinary Organs	20	57.9	7	31.0	15	50.0	4	29.4
----Cervix Uteri	1	2.9	0	0.0	0	0.0	1	7.4
----Ovary	4	11.6	1	4.4	4	13.3	2	14.7
----Prostate	1	2.9	4	17.7	3	10.0	1	7.4
----Bladder	5	14.5	1	4.4	5	16.7	0	0.0
--All Other (Malignant Neoplasms)	24	69.4	17	75.3	27	90.0	6	44.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	2	8.9	1	3.3	0	0.0
Diabetes Mellitus	15	43.4	7	31.0	4	13.3	4	29.4
Dementia	11	31.8	4	17.7	16	53.3	1	7.4
Alzheimer's Disease	16	46.3	3	13.3	4	13.3	3	22.1
Major Cardiovascular Disease	168	486.0	52	230.4	149	496.5	43	316.4
--Diseases of the Heart	138	399.2	37	163.9	126	419.9	33	242.8
----Ischemic Heart Disease	71	205.4	25	110.7	92	306.6	20	147.2
--Essential Hypertension and Hypertensive Renal Disease	1	2.9	1	4.4	1	3.3	2	14.7
--Cerebrovascular Diseases (Stroke)	24	69.4	10	44.3	18	60.0	6	44.1
--Arteriosclerosis	2	5.8	0	0.0	0	0.0	2	14.7
--Other Diseases of Arteries, Arterioles, and Capillaries	3	8.7	4	17.7	4	13.3	0	0.0
Influenza and Pneumonia	10	28.9	2	8.9	12	40.0	5	36.8
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	10	28.9	2	8.9	12	40.0	5	36.8
Chronic Lower Respiratory Diseases	32	92.6	12	53.2	32	106.6	6	44.1
--Bronchitis, Emphysema, and Asthma	1	2.9	0	0.0	7	23.3	1	7.4
Lung Diseases due to External Agents	4	11.6	1	4.4	4	13.3	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	8.7	3	13.3	2	6.7	1	7.4
Nephritis, Nephrotic Syndrome, and Nephrosis	16	46.3	3	13.3	13	43.3	1	7.4
Congenital Malformations	0	0.0	0	0.0	2	6.7	0	0.0
Ill-Defined and Unknown Causes of Death	4	11.6	0	0.0	8	26.7	0	0.0
Accidents, All Forms	34	98.4	18	79.7	16	53.3	8	58.9
--Motor Vehicle	17	49.2	6	26.6	2	6.7	2	14.7
--Falls	5	14.5	2	8.9	5	16.7	1	7.4
--Drownings	1	2.9	0	0.0	0	0.0	1	7.4
--Smoke, Fires, and Flames	0	0.0	0	0.0	1	3.3	1	7.4
--Poisonings	10	28.9	4	17.7	7	23.3	1	7.4
--Other Accidents	1	2.9	6	26.6	1	3.3	2	14.7
Intentional Self-Harm (Suicide)	6	17.4	7	31.0	3	10.0	2	14.7
Assault (Homicide)	0	0.0	1	4.4	3	10.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	3	10.0	1	7.4
All Other Causes (Residual)	63	182.3	25	110.7	43	143.3	23	169.2

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Harrison		Jackson		Jefferson		Kanawha	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	2.3	0	0.0	2	2.9	16	6.7
Total Deaths, All Causes	824	12.0	345	12.3	400	7.7	2,572	13.5
--Deaths Under One Year	12	14.0	3	8.2	2	2.9	19	7.9
--Deaths Under 28 Days	6	7.0	2	5.5	2	2.9	12	5.0
Tuberculosis	1	1.5	0	0.0	0	0.0	0	0.0
Septicemia	9	13.1	3	10.7	4	7.7	46	24.1
Human Immunodeficiency Virus Infection	1	1.5	0	0.0	3	5.8	2	1.0
Malignant Neoplasms	172	249.8	78	277.0	97	187.9	533	279.0
--of Digestive Organs	28	40.7	12	42.6	21	40.7	100	52.4
----Colon	12	17.4	5	17.8	7	13.6	39	20.4
----Pancreas	9	13.1	2	7.1	3	5.8	25	13.1
--of Respiratory and Intrathoracic Organs	57	82.8	31	110.1	27	52.3	163	85.3
----Trachea, Bronchus, and Lung	52	75.5	30	106.5	27	52.3	160	83.8
--of Breast	14	20.3	3	10.7	6	11.6	43	22.5
--of Genitourinary Organs	29	42.1	10	35.5	17	32.9	84	44.0
----Cervix Uteri	1	1.5	1	3.6	1	1.9	2	1.0
----Ovary	1	1.5	0	0.0	1	1.9	12	6.3
----Prostate	14	20.3	4	14.2	7	13.6	27	14.1
----Bladder	5	7.3	2	7.1	1	1.9	14	7.3
--All Other (Malignant Neoplasms)	44	63.9	22	78.1	26	50.4	143	74.9
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	4	5.8	3	10.7	2	3.9	9	4.7
Diabetes Mellitus	32	46.5	12	42.6	12	23.2	74	38.7
Dementia	18	26.1	10	35.5	13	25.2	141	73.8
Alzheimer's Disease	23	33.4	14	49.7	12	23.2	106	55.5
Major Cardiovascular Disease	265	384.9	115	408.4	109	211.2	783	409.9
--Diseases of the Heart	189	274.5	67	238.0	84	162.7	581	304.2
----Ischemic Heart Disease	115	167.0	49	174.0	46	89.1	398	208.4
--Essential Hypertension and Hypertensive Renal Disease	13	18.9	6	21.3	4	7.7	43	22.5
--Cerebrovascular Diseases (Stroke)	48	69.7	22	78.1	19	36.8	132	69.1
--Arteriosclerosis	6	8.7	19	67.5	0	0.0	3	1.6
--Other Diseases of Arteries, Arterioles, and Capillaries	9	13.1	1	3.6	2	3.9	24	12.6
Influenza and Pneumonia	17	24.7	14	49.7	4	7.7	52	27.2
--Influenza	0	0.0	1	3.6	0	0.0	3	1.6
--Pneumonia	17	24.7	13	46.2	4	7.7	49	25.7
Chronic Lower Respiratory Diseases	57	82.8	27	95.9	30	58.1	163	85.3
--Bronchitis, Emphysema, and Asthma	4	5.8	1	3.6	5	9.7	21	11.0
Lung Diseases due to External Agents	6	8.7	0	0.0	3	5.8	16	8.4
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	2	1.0
Chronic Liver Disease and Cirrhosis	9	13.1	6	21.3	5	9.7	19	9.9
Nephritis, Nephrotic Syndrome, and Nephrosis	23	33.4	6	21.3	12	23.2	65	34.0
Congenital Malformations	6	8.7	1	3.6	0	0.0	8	4.2
Ill-Defined and Unknown Causes of Death	9	13.1	1	3.6	4	7.7	23	12.0
Accidents, All Forms	44	63.9	14	49.7	27	52.3	135	70.7
--Motor Vehicle	15	21.8	7	24.9	9	17.4	27	14.1
--Falls	14	20.3	1	3.6	5	9.7	25	13.1
--Drownings	1	1.5	0	0.0	0	0.0	2	1.0
--Smoke, Fires, and Flames	1	1.5	0	0.0	0	0.0	8	4.2
--Poisonings	9	13.1	5	17.8	9	17.4	65	34.0
--Other Accidents	4	5.8	1	3.6	4	7.7	8	4.2
Intentional Self-Harm (Suicide)	17	24.7	3	10.7	9	17.4	28	14.7
Assault (Homicide)	3	4.4	1	3.6	1	1.9	14	7.3
Injury Undetermined Whether Accidental or Purposely Inflicted	1	1.5	3	10.7	5	9.7	19	9.9
All Other Causes (Residual)	107	155.4	34	120.8	48	93.0	336	175.9

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*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Lewis		Lincoln		Logan		McDowell	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	9.9	0	0.0	2	4.8	1	3.3
Total Deaths, All Causes	219	12.7	268	12.0	498	14.0	373	16.4
--Deaths Under One Year	1	5.0	1	3.7	1	2.4	5	16.6
--Deaths Under 28 Days	0	0.0	1	3.7	0	0.0	4	13.2
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	11.6	4	17.9	8	22.5	8	35.2
Human Immunodeficiency Virus Infection	0	0.0	2	8.9	0	0.0	0	0.0
Malignant Neoplasms	50	289.3	75	335.0	92	259.0	68	299.5
--of Digestive Organs	16	92.6	8	35.7	18	50.7	14	61.7
----Colon	8	46.3	3	13.4	9	25.3	6	26.4
----Pancreas	1	5.8	1	4.5	3	8.4	2	8.8
--of Respiratory and Intrathoracic Organs	12	69.4	34	151.9	36	101.3	27	118.9
----Trachea, Bronchus, and Lung	12	69.4	32	142.9	34	95.7	25	110.1
--of Breast	4	23.1	7	31.3	3	8.4	6	26.4
--of Genitourinary Organs	8	46.3	7	31.3	9	25.3	7	30.8
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	5.8	1	4.5	0	0.0	0	0.0
----Prostate	2	11.6	2	8.9	2	5.6	4	17.6
----Bladder	3	17.4	1	4.5	2	5.6	1	4.4
--All Other (Malignant Neoplasms)	10	57.9	19	84.9	26	73.2	14	61.7
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	5.8	2	8.9	0	0.0	0	0.0
Diabetes Mellitus	10	57.9	5	22.3	18	50.7	27	118.9
Dementia	3	17.4	14	62.5	8	22.5	11	48.4
Alzheimer's Disease	5	28.9	9	40.2	16	45.0	4	17.6
Major Cardiovascular Disease	81	468.7	75	335.0	162	456.0	104	458.0
--Diseases of the Heart	57	329.8	61	272.5	135	380.0	91	400.8
----Ischemic Heart Disease	42	243.0	41	183.2	97	273.0	67	295.1
--Essential Hypertension and Hypertensive Renal Disease	7	40.5	3	13.4	3	8.4	2	8.8
--Cerebrovascular Diseases (Stroke)	15	86.8	11	49.1	20	56.3	8	35.2
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	2	11.6	0	0.0	4	11.3	3	13.2
Influenza and Pneumonia	11	63.7	4	17.9	7	19.7	7	30.8
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	11	63.7	4	17.9	7	19.7	7	30.8
Chronic Lower Respiratory Diseases	10	57.9	14	62.5	35	98.5	36	158.5
--Bronchitis, Emphysema, and Asthma	0	0.0	2	8.9	1	2.8	2	8.8
Lung Diseases due to External Agents	2	11.6	2	8.9	14	39.4	6	26.4
--Coal Worker's Pneumoconiosis	0	0.0	1	4.5	6	16.9	5	22.0
Chronic Liver Disease and Cirrhosis	1	5.8	2	8.9	7	19.7	6	26.4
Nephritis, Nephrotic Syndrome, and Nephrosis	3	17.4	7	31.3	15	42.2	12	52.8
Congenital Malformations	1	5.8	0	0.0	2	5.6	1	4.4
Ill-Defined and Unknown Causes of Death	2	11.6	4	17.9	4	11.3	3	13.2
Accidents, All Forms	14	81.0	19	84.9	35	98.5	36	158.5
--Motor Vehicle	6	34.7	11	49.1	16	45.0	6	26.4
--Falls	3	17.4	2	8.9	5	14.1	3	13.2
--Drownings	0	0.0	0	0.0	1	2.8	0	0.0
--Smoke, Fires, and Flames	1	5.8	0	0.0	1	2.8	0	0.0
--Poisonings	3	17.4	4	17.9	11	31.0	23	101.3
--Other Accidents	1	5.8	2	8.9	1	2.8	4	17.6
Intentional Self-Harm (Suicide)	2	11.6	4	17.9	4	11.3	5	22.0
Assault (Homicide)	2	11.6	3	13.4	2	5.6	3	13.2
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	4.5	0	0.0	2	8.8
All Other Causes (Residual)	19	109.9	22	98.3	69	194.2	34	149.7

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Marion		Marshall		Mason		Mercer	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	1.6	1	3.0	3	9.6	3	3.7
Total Deaths, All Causes	730	12.9	406	12.4	309	12.0	849	13.8
--Deaths Under One Year	10	16.0	5	15.2	2	6.4	5	6.1
--Deaths Under 28 Days	5	8.0	4	12.1	1	3.2	3	3.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	19	33.6	4	12.2	2	7.8	23	37.4
Human Immunodeficiency Virus Infection	0	0.0	1	3.1	1	3.9	1	1.6
Malignant Neoplasms	150	265.5	87	265.5	61	237.6	173	281.3
--of Digestive Organs	34	60.2	19	58.0	10	38.9	40	65.0
----Colon	8	14.2	8	24.4	3	11.7	15	24.4
----Pancreas	10	17.7	4	12.2	3	11.7	9	14.6
--of Respiratory and Intrathoracic Organs	54	95.6	27	82.4	21	81.8	51	82.9
----Trachea, Bronchus, and Lung	50	88.5	27	82.4	20	77.9	51	82.9
--of Breast	10	17.7	8	24.4	6	23.4	13	21.1
--of Genitourinary Organs	17	30.1	8	24.4	8	31.2	20	32.5
----Cervix Uteri	0	0.0	2	6.1	0	0.0	1	1.6
----Ovary	3	5.3	0	0.0	1	3.9	4	6.5
----Prostate	7	12.4	2	6.1	3	11.7	5	8.1
----Bladder	3	5.3	1	3.1	1	3.9	4	6.5
--All Other (Malignant Neoplasms)	35	62.0	25	76.3	16	62.3	49	79.7
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	3	5.3	3	9.2	3	11.7	5	8.1
Diabetes Mellitus	33	58.4	13	39.7	14	54.5	30	48.8
Dementia	47	83.2	10	30.5	8	31.2	38	61.8
Alzheimer's Disease	12	21.2	10	30.5	13	50.6	14	22.8
Major Cardiovascular Disease	222	392.9	159	485.3	101	393.3	274	445.5
--Diseases of the Heart	185	327.5	130	396.8	72	280.4	229	372.4
----Ischemic Heart Disease	121	214.2	103	314.4	48	186.9	146	237.4
--Essential Hypertension and Hypertensive Renal Disease	5	8.9	5	15.3	9	35.0	5	8.1
--Cerebrovascular Diseases (Stroke)	24	42.5	19	58.0	16	62.3	30	48.8
--Arteriosclerosis	3	5.3	0	0.0	0	0.0	3	4.9
--Other Diseases of Arteries, Arterioles, and Capillaries	5	8.9	5	15.3	4	15.6	7	11.4
Influenza and Pneumonia	10	17.7	13	39.7	4	15.6	10	16.3
--Influenza	1	1.8	0	0.0	0	0.0	0	0.0
--Pneumonia	9	15.9	13	39.7	4	15.6	10	16.3
Chronic Lower Respiratory Diseases	59	104.4	31	94.6	27	105.1	71	115.4
--Bronchitis, Emphysema, and Asthma	3	5.3	0	0.0	3	11.7	3	4.9
Lung Diseases due to External Agents	8	14.2	1	3.1	3	11.7	17	27.6
--Coal Worker's Pneumoconiosis	1	1.8	0	0.0	0	0.0	8	13.0
Chronic Liver Disease and Cirrhosis	8	14.2	4	12.2	3	11.7	10	16.3
Nephritis, Nephrotic Syndrome, and Nephrosis	23	40.7	3	9.2	4	15.6	13	21.1
Congenital Malformations	6	10.6	4	12.2	0	0.0	4	6.5
Ill-Defined and Unknown Causes of Death	6	10.6	4	12.2	2	7.8	9	14.6
Accidents, All Forms	33	58.4	14	42.7	17	66.2	49	79.7
--Motor Vehicle	9	15.9	4	12.2	7	27.3	8	13.0
--Falls	8	14.2	3	9.2	2	7.8	6	9.8
--Drownings	3	5.3	1	3.1	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	0	0.0	1	3.9	0	0.0
--Poisonings	6	10.6	4	12.2	6	23.4	31	50.4
--Other Accidents	7	12.4	2	6.1	1	3.9	4	6.5
Intentional Self-Harm (Suicide)	10	17.7	2	6.1	4	15.6	13	21.1
Assault (Homicide)	1	1.8	1	3.1	0	0.0	8	13.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	1.8	0	0.0	1	3.9	5	8.1
All Other Causes (Residual)	79	139.8	42	128.2	41	159.7	82	133.3

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*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Mineral		Mingo		Monongalia		Monroe	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	2	5.7	2	2.2	0	0.0
Total Deaths, All Causes	282	10.5	380	14.4	635	7.2	165	12.0
--Deaths Under One Year	1	3.1	5	14.4	5	5.4	0	0.0
--Deaths Under 28 Days	1	3.1	2	5.7	4	4.3	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	11.2	4	15.2	14	15.9	1	7.3
Human Immunodeficiency Virus Infection	1	3.7	0	0.0	1	1.1	0	0.0
Malignant Neoplasms	64	238.9	79	299.8	130	147.4	32	232.9
--of Digestive Organs	13	48.5	17	64.5	27	30.6	4	29.1
----Colon	5	18.7	6	22.8	12	13.6	0	0.0
----Pancreas	3	11.2	4	15.2	5	5.7	0	0.0
--of Respiratory and Intrathoracic Organs	12	44.8	25	94.9	44	49.9	18	131.0
----Trachea, Bronchus, and Lung	12	44.8	24	91.1	43	48.7	18	131.0
--of Breast	5	18.7	4	15.2	9	10.2	0	0.0
--of Genitourinary Organs	11	41.1	9	34.2	17	19.3	6	43.7
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	3.7	3	11.4	2	2.3	0	0.0
----Prostate	2	7.5	3	11.4	2	2.3	5	36.4
----Bladder	3	11.2	3	11.4	5	5.7	0	0.0
--All Other (Malignant Neoplasms)	23	85.8	24	91.1	33	37.4	4	29.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	7.5	0	0.0	2	2.3	1	7.3
Diabetes Mellitus	10	37.3	21	79.7	22	24.9	5	36.4
Dementia	10	37.3	4	15.2	18	20.4	5	36.4
Alzheimer's Disease	13	48.5	11	41.7	18	20.4	6	43.7
Major Cardiovascular Disease	89	332.2	118	447.8	199	225.6	54	393.0
--Diseases of the Heart	65	242.6	94	356.7	152	172.3	43	313.0
----Ischemic Heart Disease	53	197.8	72	273.2	93	105.4	28	203.8
--Essential Hypertension and Hypertensive Renal Disease	2	7.5	8	30.4	4	4.5	1	7.3
--Cerebrovascular Diseases (Stroke)	18	67.2	13	49.3	38	43.1	8	58.2
--Arteriosclerosis	3	11.2	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	1	3.7	3	11.4	5	5.7	2	14.6
Influenza and Pneumonia	3	11.2	8	30.4	10	11.3	2	14.6
--Influenza	0	0.0	0	0.0	2	2.3	0	0.0
--Pneumonia	3	11.2	8	30.4	8	9.1	2	14.6
Chronic Lower Respiratory Diseases	20	74.6	38	144.2	40	45.3	18	131.0
--Bronchitis, Emphysema, and Asthma	0	0.0	3	11.4	4	4.5	1	7.3
Lung Diseases due to External Agents	3	11.2	5	19.0	5	5.7	1	7.3
--Coal Worker's Pneumoconiosis	1	3.7	3	11.4	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	7	26.1	3	11.4	8	9.1	1	7.3
Nephritis, Nephrotic Syndrome, and Nephrosis	5	18.7	15	56.9	19	21.5	5	36.4
Congenital Malformations	1	3.7	1	3.8	4	4.5	0	0.0
Ill-Defined and Unknown Causes of Death	2	7.5	1	3.8	5	5.7	0	0.0
Accidents, All Forms	16	59.7	33	125.2	47	53.3	8	58.2
--Motor Vehicle	8	29.9	9	34.2	14	15.9	3	21.8
--Falls	4	14.9	0	0.0	13	14.7	2	14.6
--Drownings	0	0.0	1	3.8	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	1	3.8	1	1.1	0	0.0
--Poisonings	3	11.2	20	75.9	16	18.1	1	7.3
--Other Accidents	1	3.7	2	7.6	3	3.4	2	14.6
Intentional Self-Harm (Suicide)	1	3.7	3	11.4	4	4.5	2	14.6
Assault (Homicide)	0	0.0	1	3.8	1	1.1	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	7.6	4	4.5	2	14.6
All Other Causes (Residual)	32	119.4	33	125.2	84	95.2	22	160.1

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Morgan		Nicholas		Ohio		Pendleton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	2	4.3	1	13.5
Total Deaths, All Causes	196	12.0	326	12.5	570	12.9	106	14.0
--Deaths Under One Year	1	6.3	3	9.6	2	4.3	1	13.5
--Deaths Under 28 Days	0	0.0	0	0.0	2	4.3	1	13.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	12.3	3	11.5	7	15.9	5	65.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	2.3	0	0.0
Malignant Neoplasms	50	306.3	73	279.3	119	269.8	19	250.6
--of Digestive Organs	10	61.3	9	34.4	22	49.9	6	79.1
----Colon	3	18.4	3	11.5	7	15.9	2	26.4
----Pancreas	3	18.4	0	0.0	5	11.3	1	13.2
--of Respiratory and Intrathoracic Organs	16	98.0	28	107.1	31	70.3	6	79.1
----Trachea, Bronchus, and Lung	16	98.0	28	107.1	29	65.8	6	79.1
--of Breast	1	6.1	3	11.5	13	29.5	1	13.2
--of Genitourinary Organs	8	49.0	11	42.1	19	43.1	1	13.2
----Cervix Uteri	1	6.1	1	3.8	0	0.0	0	0.0
----Ovary	1	6.1	2	7.7	0	0.0	0	0.0
----Prostate	1	6.1	4	15.3	7	15.9	1	13.2
----Bladder	1	6.1	3	11.5	6	13.6	0	0.0
--All Other (Malignant Neoplasms)	15	91.9	22	84.2	34	77.1	5	65.9
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	12.3	0	0.0	2	4.5	1	13.2
Diabetes Mellitus	9	55.1	14	53.6	30	68.0	2	26.4
Dementia	5	30.6	13	49.7	29	65.8	0	0.0
Alzheimer's Disease	9	55.1	7	26.8	13	29.5	4	52.8
Major Cardiovascular Disease	51	312.4	110	420.9	184	417.2	42	553.9
--Diseases of the Heart	42	257.3	84	321.4	136	308.3	34	448.4
----Ischemic Heart Disease	25	153.1	54	206.6	99	224.5	21	277.0
--Essential Hypertension and Hypertensive Renal Disease	1	6.1	4	15.3	1	2.3	2	26.4
--Cerebrovascular Diseases (Stroke)	8	49.0	14	53.6	44	99.8	4	52.8
--Arteriosclerosis	0	0.0	2	7.7	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	6	23.0	3	6.8	2	26.4
Influenza and Pneumonia	5	30.6	7	26.8	14	31.7	3	39.6
--Influenza	0	0.0	0	0.0	1	2.3	0	0.0
--Pneumonia	5	30.6	7	26.8	13	29.5	3	39.6
Chronic Lower Respiratory Diseases	9	55.1	20	76.5	58	131.5	6	79.1
--Bronchitis, Emphysema, and Asthma	0	0.0	1	3.8	8	18.1	0	0.0
Lung Diseases due to External Agents	0	0.0	6	23.0	2	4.5	1	13.2
--Coal Worker's Pneumoconiosis	0	0.0	4	15.3	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	7	42.9	3	11.5	9	20.4	0	0.0
Nephritis, Nephrotic Syndrome, and Nephrosis	5	30.6	5	19.1	10	22.7	2	26.4
Congenital Malformations	3	18.4	1	3.8	1	2.3	1	13.2
Ill-Defined and Unknown Causes of Death	0	0.0	6	23.0	4	9.1	0	0.0
Accidents, All Forms	9	55.1	18	68.9	16	36.3	4	52.8
--Motor Vehicle	6	36.8	6	23.0	3	6.8	2	26.4
--Falls	0	0.0	3	11.5	7	15.9	0	0.0
--Drownings	0	0.0	2	7.7	1	2.3	0	0.0
--Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	3	18.4	5	19.1	4	9.1	2	26.4
--Other Accidents	0	0.0	2	7.7	1	2.3	0	0.0
Intentional Self-Harm (Suicide)	3	18.4	5	19.1	5	11.3	0	0.0
Assault (Homicide)	0	0.0	0	0.0	2	4.5	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	2	12.3	1	3.8	2	4.5	0	0.0
All Other Causes (Residual)	25	153.1	34	130.1	62	140.6	16	211.0

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*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Pleasants		Pocahontas		Preston		Putnam	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	13.0	2	21.7	0	0.0	6	9.8
Total Deaths, All Causes	83	11.6	106	12.5	346	11.4	536	9.7
--Deaths Under One Year	0	0.0	0	0.0	2	5.4	3	4.9
--Deaths Under 28 Days	0	0.0	0	0.0	1	2.7	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	28.0	1	11.8	6	19.8	6	10.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	16	223.8	15	177.1	73	241.0	126	227.1
--of Digestive Organs	4	55.9	2	23.6	17	56.1	26	46.9
----Colon	2	28.0	0	0.0	7	23.1	6	10.8
----Pancreas	2	28.0	0	0.0	3	9.9	9	16.2
--of Respiratory and Intrathoracic Organs	3	42.0	8	94.4	21	69.3	45	81.1
----Trachea, Bronchus, and Lung	3	42.0	8	94.4	20	66.0	45	81.1
--of Breast	2	28.0	1	11.8	4	13.2	7	12.6
--of Genitourinary Organs	4	55.9	0	0.0	8	26.4	16	28.8
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	14.0	0	0.0	1	3.3	6	10.8
----Prostate	0	0.0	0	0.0	2	6.6	3	5.4
----Bladder	1	14.0	0	0.0	3	9.9	1	1.8
--All Other (Malignant Neoplasms)	3	42.0	4	47.2	23	75.9	32	57.7
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	28.0	1	11.8	1	3.3	2	3.6
Diabetes Mellitus	6	83.9	1	11.8	12	39.6	20	36.0
Dementia	6	83.9	0	0.0	10	33.0	28	50.5
Alzheimer's Disease	3	42.0	1	11.8	10	33.0	18	32.4
Major Cardiovascular Disease	26	363.6	40	472.1	125	412.7	145	261.3
--Diseases of the Heart	19	265.7	32	377.7	99	326.9	109	196.4
----Ischemic Heart Disease	12	167.8	17	200.7	66	217.9	83	149.6
--Essential Hypertension and Hypertensive Renal Disease	1	14.0	1	11.8	4	13.2	5	9.0
--Cerebrovascular Diseases (Stroke)	6	83.9	7	82.6	20	66.0	24	43.3
--Arteriosclerosis	0	0.0	0	0.0	2	6.6	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	0	0.0	0	0.0	7	12.6
Influenza and Pneumonia	3	42.0	0	0.0	5	16.5	12	21.6
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	3	42.0	0	0.0	5	16.5	12	21.6
Chronic Lower Respiratory Diseases	6	83.9	10	118.0	22	72.6	41	73.9
--Bronchitis, Emphysema, and Asthma	0	0.0	0	0.0	6	19.8	1	1.8
Lung Diseases due to External Agents	1	14.0	2	23.6	8	26.4	6	10.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	5	16.5	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	2	23.6	1	3.3	4	7.2
Nephritis, Nephrotic Syndrome, and Nephrosis	0	0.0	2	23.6	6	19.8	15	27.0
Congenital Malformations	0	0.0	0	0.0	1	3.3	1	1.8
Ill-Defined and Unknown Causes of Death	2	28.0	6	70.8	6	19.8	9	16.2
Accidents, All Forms	1	14.0	10	118.0	14	46.2	28	50.5
--Motor Vehicle	0	0.0	3	35.4	5	16.5	8	14.4
--Falls	0	0.0	1	11.8	4	13.2	3	5.4
--Drownings	0	0.0	1	11.8	0	0.0	2	3.6
--Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	0	0.0	3	35.4	3	9.9	10	18.0
--Other Accidents	1	14.0	2	23.6	2	6.6	5	9.0
Intentional Self-Harm (Suicide)	0	0.0	3	35.4	3	9.9	12	21.6
Assault (Homicide)	0	0.0	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	23.6	2	6.6	1	1.8
All Other Causes (Residual)	9	125.9	10	118.0	41	135.4	62	111.7

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Raleigh		Randolph		Ritchie		Roane	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	6	6.5	4	12.3	0	0.0	0	0.0
Total Deaths, All Causes	918	11.6	338	12.0	128	12.4	189	12.5
--Deaths Under One Year	6	6.5	6	18.4	0	0.0	0	0.0
--Deaths Under 28 Days	4	4.3	3	9.2	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	13	16.4	3	10.6	1	9.7	3	19.8
Human Immunodeficiency Virus Infection	1	1.3	0	0.0	1	9.7	0	0.0
Malignant Neoplasms	181	228.1	61	215.8	24	232.8	32	211.0
--of Digestive Organs	50	63.0	12	42.5	7	67.9	7	46.1
----Colon	16	20.2	3	10.6	1	9.7	2	13.2
----Pancreas	10	12.6	1	3.5	1	9.7	0	0.0
--of Respiratory and Intrathoracic Organs	46	58.0	20	70.8	7	67.9	12	79.1
----Trachea, Bronchus, and Lung	44	55.4	20	70.8	7	67.9	11	72.5
--of Breast	13	16.4	7	24.8	1	9.7	1	6.6
--of Genitourinary Organs	15	18.9	8	28.3	2	19.4	4	26.4
----Cervix Uteri	1	1.3	1	3.5	0	0.0	0	0.0
----Ovary	3	3.8	1	3.5	1	9.7	0	0.0
----Prostate	2	2.5	2	7.1	0	0.0	2	13.2
----Bladder	2	2.5	1	3.5	0	0.0	1	6.6
--All Other (Malignant Neoplasms)	57	71.8	14	49.5	7	67.9	8	52.7
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	7	8.8	2	7.1	0	0.0	0	0.0
Diabetes Mellitus	33	41.6	15	53.1	5	48.5	5	33.0
Dementia	35	44.1	8	28.3	3	29.1	4	26.4
Alzheimer's Disease	26	32.8	17	60.1	0	0.0	15	98.9
Major Cardiovascular Disease	290	365.4	118	417.5	52	504.5	67	441.7
--Diseases of the Heart	238	299.9	100	353.8	37	358.9	46	303.3
----Ischemic Heart Disease	145	182.7	60	212.3	27	261.9	37	243.9
--Essential Hypertension and Hypertensive Renal Disease	13	16.4	2	7.1	3	29.1	3	19.8
--Cerebrovascular Diseases (Stroke)	36	45.4	11	38.9	11	106.7	15	98.9
--Arteriosclerosis	1	1.3	1	3.5	1	9.7	2	13.2
--Other Diseases of Arteries, Arterioles, and Capillaries	2	2.5	4	14.2	0	0.0	1	6.6
Influenza and Pneumonia	17	21.4	10	35.4	5	48.5	2	13.2
--Influenza	4	5.0	0	0.0	0	0.0	0	0.0
--Pneumonia	13	16.4	10	35.4	5	48.5	2	13.2
Chronic Lower Respiratory Diseases	80	100.8	22	77.8	13	126.1	17	112.1
--Bronchitis, Emphysema, and Asthma	13	16.4	1	3.5	1	9.7	1	6.6
Lung Diseases due to External Agents	23	29.0	3	10.6	0	0.0	2	13.2
--Coal Worker's Pneumoconiosis	12	15.1	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	15	18.9	5	17.7	1	9.7	2	13.2
Nephritis, Nephrotic Syndrome, and Nephrosis	22	27.7	4	14.2	2	19.4	3	19.8
Congenital Malformations	2	2.5	3	10.6	0	0.0	1	6.6
Ill-Defined and Unknown Causes of Death	6	7.6	1	3.5	3	29.1	1	6.6
Accidents, All Forms	49	61.7	11	38.9	4	38.8	7	46.1
--Motor Vehicle	20	25.2	4	14.2	2	19.4	3	19.8
--Falls	7	8.8	1	3.5	0	0.0	1	6.6
--Drownings	1	1.3	0	0.0	0	0.0	0	0.0
--Smoke, Fires, and Flames	1	1.3	0	0.0	0	0.0	0	0.0
--Poisonings	18	22.7	2	7.1	1	9.7	1	6.6
--Other Accidents	2	2.5	4	14.2	1	9.7	2	13.2
Intentional Self-Harm (Suicide)	12	15.1	5	17.7	3	29.1	3	19.8
Assault (Homicide)	3	3.8	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	8	10.1	3	10.6	0	0.0	0	0.0
All Other Causes (Residual)	95	119.7	47	166.3	11	106.7	25	164.8

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*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Summers		Taylor		Tucker		Tyler	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	197	15.1	195	12.1	84	12.2	109	12.3
--Deaths Under One Year	1	8.6	1	6.2	0	0.0	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	15.4	6	37.1	1	14.5	1	11.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	40	307.3	39	241.4	15	218.1	25	282.8
--of Digestive Organs	9	69.1	9	55.7	6	87.2	3	33.9
----Colon	3	23.0	2	12.4	0	0.0	2	22.6
----Pancreas	2	15.4	3	18.6	1	14.5	0	0.0
--of Respiratory and Intrathoracic Organs	12	92.2	16	99.0	6	87.2	7	79.2
----Trachea, Bronchus, and Lung	11	84.5	15	92.8	5	72.7	7	79.2
--of Breast	1	7.7	2	12.4	0	0.0	1	11.3
--of Genitourinary Organs	2	15.4	1	6.2	2	29.1	4	45.2
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	7.7	0	0.0	0	0.0	1	11.3
----Prostate	0	0.0	1	6.2	0	0.0	1	11.3
----Bladder	1	7.7	0	0.0	1	14.5	2	22.6
--All Other (Malignant Neoplasms)	16	122.9	11	68.1	1	14.5	10	113.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	1	6.2	1	14.5	0	0.0
Diabetes Mellitus	4	30.7	3	18.6	1	14.5	1	11.3
Dementia	7	53.8	4	24.8	2	29.1	2	22.6
Alzheimer's Disease	2	15.4	10	61.9	2	29.1	3	33.9
Major Cardiovascular Disease	60	460.9	60	371.3	41	596.2	25	282.8
--Diseases of the Heart	44	338.0	42	259.9	30	436.2	17	192.3
----Ischemic Heart Disease	26	199.7	30	185.7	17	247.2	11	124.4
--Essential Hypertension and Hypertensive Renal Disease	2	15.4	2	12.4	4	58.2	1	11.3
--Cerebrovascular Diseases (Stroke)	13	99.9	6	37.1	7	101.8	6	67.9
--Arteriosclerosis	0	0.0	9	55.7	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	1	7.7	1	6.2	0	0.0	1	11.3
Influenza and Pneumonia	2	15.4	5	30.9	0	0.0	1	11.3
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	2	15.4	5	30.9	0	0.0	1	11.3
Chronic Lower Respiratory Diseases	16	122.9	14	86.6	6	87.2	6	67.9
--Bronchitis, Emphysema, and Asthma	1	7.7	1	6.2	1	14.5	0	0.0
Lung Diseases due to External Agents	4	30.7	2	12.4	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	1	7.7	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	23.0	2	12.4	0	0.0	2	22.6
Nephritis, Nephrotic Syndrome, and Nephrosis	8	61.5	4	24.8	4	58.2	8	90.5
Congenital Malformations	1	7.7	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	3	18.6	0	0.0	3	33.9
Accidents, All Forms	17	130.6	16	99.0	4	58.2	6	67.9
--Motor Vehicle	6	46.1	5	30.9	2	29.1	1	11.3
--Falls	3	23.0	3	18.6	0	0.0	1	11.3
--Drownings	1	7.7	1	6.2	0	0.0	1	11.3
--Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	6	46.1	6	37.1	1	14.5	2	22.6
--Other Accidents	1	7.7	1	6.2	1	14.5	1	11.3
Intentional Self-Harm (Suicide)	5	38.4	1	6.2	0	0.0	4	45.2
Assault (Homicide)	1	7.7	0	0.0	0	0.0	1	11.3
Injury Undetermined Whether Accidental or Purposely Inflicted	1	7.7	0	0.0	0	0.0	1	11.3
All Other Causes (Residual)	24	184.4	25	154.7	7	101.8	20	226.2

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Upshur		Wayne		Webster		Wetzel	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	3.9	1	2.2	1	9.2	2	11.7
Total Deaths, All Causes	237	10.1	446	10.9	110	11.7	207	12.7
--Deaths Under One Year	2	7.8	4	8.7	1	9.2	1	5.8
--Deaths Under 28 Days	1	3.9	3	6.5	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	12.7	5	12.2	1	10.6	4	24.5
Human Immunodeficiency Virus Infection	0	0.0	1	2.4	0	0.0	0	0.0
Malignant Neoplasms	47	199.3	112	272.6	27	287.4	42	257.2
--of Digestive Organs	12	50.9	24	58.4	6	63.9	11	67.4
----Colon	5	21.2	6	14.6	0	0.0	5	30.6
----Pancreas	2	8.5	8	19.5	1	10.6	2	12.2
--of Respiratory and Intrathoracic Organs	12	50.9	44	107.1	11	117.1	14	85.7
----Trachea, Bronchus, and Lung	10	42.4	44	107.1	11	117.1	14	85.7
--of Breast	1	4.2	7	17.0	1	10.6	1	6.1
--of Genitourinary Organs	8	33.9	17	41.4	3	31.9	7	42.9
----Cervix Uteri	1	4.2	1	2.4	0	0.0	0	0.0
----Ovary	3	12.7	3	7.3	0	0.0	2	12.2
----Prostate	2	8.5	4	9.7	1	10.6	2	12.2
----Bladder	0	0.0	4	9.7	1	10.6	0	0.0
--All Other (Malignant Neoplasms)	14	59.4	20	48.7	6	63.9	9	55.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	3	7.3	0	0.0	1	6.1
Diabetes Mellitus	5	21.2	16	38.9	4	42.6	5	30.6
Dementia	14	59.4	21	51.1	3	31.9	3	18.4
Alzheimer's Disease	6	25.4	14	34.1	4	42.6	4	24.5
Major Cardiovascular Disease	78	330.8	116	282.4	33	351.3	65	398.1
--Diseases of the Heart	55	233.2	91	221.5	27	287.4	52	318.5
----Ischemic Heart Disease	33	139.9	66	160.7	18	191.6	36	220.5
--Essential Hypertension and Hypertensive Renal Disease	1	4.2	4	9.7	0	0.0	1	6.1
--Cerebrovascular Diseases (Stroke)	13	55.1	18	43.8	5	53.2	9	55.1
--Arteriosclerosis	3	12.7	1	2.4	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	6	25.4	2	4.9	1	10.6	3	18.4
Influenza and Pneumonia	3	12.7	4	9.7	3	31.9	5	30.6
--Influenza	0	0.0	0	0.0	0	0.0	2	12.2
--Pneumonia	3	12.7	4	9.7	3	31.9	3	18.4
Chronic Lower Respiratory Diseases	23	97.5	39	94.9	8	85.2	18	110.2
--Bronchitis, Emphysema, and Asthma	3	12.7	2	4.9	0	0.0	1	6.1
Lung Diseases due to External Agents	1	4.2	2	4.9	3	31.9	2	12.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	10.6	0	0.0
Chronic Liver Disease and Cirrhosis	1	4.2	4	9.7	0	0.0	2	12.2
Nephritis, Nephrotic Syndrome, and Nephrosis	2	8.5	6	14.6	4	42.6	5	30.6
Congenital Malformations	1	4.2	1	2.4	0	0.0	1	6.1
Ill-Defined and Unknown Causes of Death	1	4.2	8	19.5	0	0.0	1	6.1
Accidents, All Forms	14	59.4	32	77.9	7	74.5	11	67.4
--Motor Vehicle	8	33.9	15	36.5	1	10.6	5	30.6
--Falls	1	4.2	5	12.2	3	31.9	3	18.4
--Drownings	0	0.0	0	0.0	0	0.0	1	6.1
--Smoke, Fires, and Flames	1	4.2	1	2.4	0	0.0	0	0.0
--Poisonings	3	12.7	7	17.0	2	21.3	2	12.2
--Other Accidents	1	4.2	4	9.7	1	10.6	0	0.0
Intentional Self-Harm (Suicide)	5	21.2	7	17.0	4	42.6	1	6.1
Assault (Homicide)	1	4.2	2	4.9	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	4.2	2	4.9	1	10.6	0	0.0
All Other Causes (Residual)	31	131.5	51	124.1	8	85.2	37	226.6

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*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2008
Table 60 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Wirt		Wood		Wyoming		Total	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	5	5.2	1	3.9	94	4.4
Total Deaths, All Causes	68	11.8	1,020	11.8	315	13.4	21,551	11.9
--Deaths Under One Year	1	16.1	5	5.2	2	7.7	166	7.7
--Deaths Under 28 Days	1	16.1	2	2.1	0	0.0	96	4.5
Tuberculosis	0	0.0	0	0.0	0	0.0	1	0.1
Septicemia	0	0.0	13	15.1	5	21.2	358	19.7
Human Immunodeficiency Virus Infection	0	0.0	2	2.3	1	4.2	29	1.6
Malignant Neoplasms	28	486.4	240	278.4	79	335.7	4,642	255.8
--of Digestive Organs	6	104.2	51	59.2	12	51.0	969	53.4
----Colon	4	69.5	10	11.6	4	17.0	336	18.5
----Pancreas	0	0.0	21	24.4	3	12.7	222	12.2
--of Respiratory and Intrathoracic Organs	11	191.1	70	81.2	28	119.0	1,536	84.7
----Trachea, Bronchus, and Lung	10	173.7	68	78.9	28	119.0	1,486	81.9
--of Breast	1	17.4	16	18.6	2	8.5	306	16.9
--of Genitourinary Organs	1	17.4	35	40.6	15	63.7	628	34.6
----Cervix Uteri	0	0.0	1	1.2	1	4.2	25	1.4
----Ovary	0	0.0	5	5.8	4	17.0	100	5.5
----Prostate	0	0.0	8	9.3	4	17.0	187	10.3
----Bladder	1	17.4	9	10.4	1	4.2	119	6.6
--All Other (Malignant Neoplasms)	9	156.3	68	78.9	22	93.5	1,203	66.3
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	17.4	6	7.0	0	0.0	102	5.6
Diabetes Mellitus	1	17.4	30	34.8	12	51.0	742	40.9
Dementia	3	52.1	18	20.9	5	21.2	752	41.4
Alzheimer's Disease	0	0.0	27	31.3	4	17.0	662	36.5
Major Cardiovascular Disease	14	243.2	396	459.4	82	348.4	6,857	377.9
--Diseases of the Heart	13	225.8	319	370.1	66	280.4	5,309	292.6
----Ischemic Heart Disease	7	121.6	173	200.7	46	195.5	3,519	193.9
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	11	12.8	0	0.0	236	13.0
--Cerebrovascular Diseases (Stroke)	0	0.0	54	62.6	12	51.0	1,047	57.7
--Arteriosclerosis	1	17.4	7	8.1	0	0.0	90	5.0
--Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	5	5.8	4	17.0	175	9.6
Influenza and Pneumonia	3	52.1	19	22.0	5	21.2	405	22.3
--Influenza	0	0.0	1	1.2	0	0.0	21	1.2
--Pneumonia	3	52.1	18	20.9	5	21.2	384	21.2
Chronic Lower Respiratory Diseases	5	86.9	71	82.4	24	102.0	1,603	88.3
--Bronchitis, Emphysema, and Asthma	0	0.0	4	4.6	3	12.7	138	7.6
Lung Diseases due to External Agents	0	0.0	5	5.8	7	29.7	213	11.7
--Coal Worker's Pneumoconiosis	0	0.0	1	1.2	6	25.5	66	3.6
Chronic Liver Disease and Cirrhosis	0	0.0	10	11.6	3	12.7	225	12.4
Nephritis, Nephrotic Syndrome, and Nephrosis	1	17.4	19	22.0	12	51.0	500	27.6
Congenital Malformations	1	17.4	0	0.0	2	8.5	83	4.6
Ill-Defined and Unknown Causes of Death	0	0.0	9	10.4	2	8.5	217	12.0
Accidents, All Forms	1	17.4	35	40.6	34	144.5	1,195	65.9
--Motor Vehicle	0	0.0	8	9.3	6	25.5	380	20.9
--Falls	0	0.0	8	9.3	4	17.0	194	10.7
--Drownings	0	0.0	1	1.2	0	0.0	29	1.6
--Smoke, Fires, and Flames	0	0.0	0	0.0	1	4.2	23	1.3
--Poisonings	0	0.0	12	13.9	20	85.0	444	24.5
--Other Accidents	1	17.4	6	7.0	3	12.7	125	6.9
Intentional Self-Harm (Suicide)	2	34.7	17	19.7	5	21.2	284	15.7
Assault (Homicide)	1	17.4	4	4.6	2	8.5	77	4.2
Injury Undetermined Whether Accidental or Purposely Inflicted	1	17.4	5	5.8	2	8.5	106	5.8
All Other Causes (Residual)	6	104.2	94	109.0	29	123.2	2,498	137.7

Marriages by Month of Occurrence
West Virginia by County, 2008

Table 61

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	2	4	2	3	19	18	13	15	10	15	11	4	116
Berkeley	22	23	26	40	58	76	66	57	57	59	38	42	564
Boone	8	14	11	14	24	23	24	24	13	16	19	18	208
Braxton	2	3	6	5	13	14	14	11	8	10	17	9	112
Brooke	5	7	14	6	20	11	12	25	12	19	11	8	150
Cabell	25	33	33	45	69	86	61	95	54	75	35	43	654
Calhoun	2	5	6	3	8	4	9	8	6	13	2	5	71
Clay	3	3	8	6	6	10	11	12	13	11	10	5	98
Doddridge	1	2	5	2	6	8	7	8	8	8	3	2	60
Fayette	16	32	21	19	54	52	40	48	38	33	21	21	395
Gilmer	1	4	3	7	11	4	11	6	5	12	2	5	71
Grant	2	4	5	5	7	11	14	13	14	8	2	4	89
Greenbrier	6	15	9	21	23	40	20	43	24	26	22	15	264
Hampshire	1	3	1	10	17	12	10	14	15	8	4	3	98
Hancock	15	7	11	10	12	24	23	30	21	26	12	12	203
Hardy	2	3	10	6	7	6	4	12	5	11	5	6	77
Harrison	23	41	30	34	53	70	40	64	60	46	30	42	533
Jackson	7	16	10	13	25	34	25	28	19	19	12	11	219
Jefferson	13	15	20	12	17	32	21	38	21	27	22	21	259
Kanawha	61	91	98	74	185	190	120	194	121	115	97	93	1,439
Lewis	2	6	6	13	6	18	19	25	13	20	7	11	146
Lincoln	6	11	8	7	14	14	13	21	14	21	16	5	150
Logan	13	29	16	23	23	32	16	14	28	22	18	29	263
McDowell	10	21	12	5	15	30	20	19	8	18	10	6	174
Marion	11	15	16	25	46	54	33	48	41	39	25	30	383
Marshall	2	17	9	15	16	28	20	48	18	24	13	15	225
Mason	5	18	14	16	16	23	19	16	12	28	10	15	192
Mercer	17	37	27	30	40	62	54	59	33	46	27	29	461
Mineral	6	10	14	15	19	15	19	27	15	12	10	9	171
Mingo	8	16	17	11	22	33	21	29	16	28	21	19	241
Monongalia	20	24	29	35	79	75	62	78	51	60	32	45	590
Monroe	2	8	3	9	14	5	8	13	13	11	4	5	95
Morgan	3	0	1	7	17	12	9	10	18	15	3	11	106
Nicholas	11	14	7	17	23	36	18	24	28	24	14	15	231
Ohio	9	17	11	20	38	55	37	57	34	31	21	14	344
Pendleton	4	1	3	5	8	9	6	7	5	6	0	3	57
Pleasants	5	1	4	4	6	10	5	5	3	3	2	1	49
Pocahontas	2	4	2	5	5	7	8	13	8	11	7	3	75
Preston	9	8	10	7	14	31	24	29	25	15	13	14	199
Putnam	18	11	17	19	34	43	34	44	30	34	27	26	337
Raleigh	31	35	40	30	52	65	71	69	51	62	52	40	598
Randolph	5	13	9	12	22	28	25	37	20	20	11	16	218
Ritchie	2	4	3	4	12	8	11	11	3	4	1	2	65
Roane	10	6	4	9	14	17	14	6	13	14	13	14	134
Summers	1	3	5	6	7	11	7	4	9	10	5	7	75
Taylor	3	7	7	7	10	17	13	13	9	14	8	8	116
Tucker	4	3	3	1	5	13	11	11	6	7	2	6	72
Tyler	1	4	5	4	3	5	8	7	5	6	1	4	53
Upshur	6	15	7	16	17	22	16	31	18	22	12	18	200
Wayne	11	13	17	11	35	30	13	23	21	16	13	13	216
Webster	3	6	1	3	7	4	6	10	8	10	5	5	68
Wetzel	2	5	8	6	11	16	11	17	12	11	12	7	118
Wirt	0	2	2	3	4	3	0	6	5	5	1	4	35
Wood	25	38	48	48	83	85	62	64	53	73	47	42	668
Wyoming	11	15	14	16	24	30	17	29	21	16	12	15	220
Total	495	762	728	799	1,395	1,671	1,275	1,669	1,191	1,315	850	875	13,025

Number of Marriages by County
West Virginia, 2004-2008
Table 62

County	2004	2005	2006	2007	2008	County	2004	2005	2006	2007	2008
Barbour	115	121	104	126	116	Monongalia	632	636	601	569	590
Berkeley	484	556	552	544	564	Monroe	82	90	82	74	95
Boone	241	237	244	209	208	Morgan	105	122	109	126	106
Braxton	118	119	136	118	112	Nicholas	205	224	240	213	231
Brooke	202	154	185	162	150	Ohio	426	404	418	414	344
Cabell	695	704	658	663	654	Pendleton	51	42	52	53	57
Calhoun	70	61	71	60	71	Pleasants	50	80	61	65	49
Clay	77	89	66	84	98	Pocahontas	62	62	66	56	75
Doddridge	54	54	45	41	60	Preston	204	214	217	211	199
Fayette	355	382	408	386	395	Putnam	376	361	361	384	337
Gilmer	56	64	65	63	71	Raleigh	636	651	598	661	598
Grant	80	90	92	84	89	Randolph	232	173	184	159	218
Greenbrier	299	243	243	241	264	Ritchie	83	84	67	71	65
Hampshire	101	115	107	120	98	Roane	115	111	149	139	134
Hancock	241	239	214	202	203	Summers	88	74	106	65	75
Hardy	96	92	83	75	77	Taylor	111	99	87	92	116
Harrison	553	523	491	539	533	Tucker	68	58	55	60	72
Jackson	237	221	199	226	219	Tyler	72	65	60	56	53
Jefferson	313	247	314	316	259	Upshur	175	199	225	228	200
Kanawha	1,459	1,438	1,358	1,360	1,439	Wayne	221	224	208	209	216
Lewis	147	155	145	168	146	Webster	66	90	77	74	68
Lincoln	154	143	175	163	150	Wetzel	136	122	140	118	118
Logan	317	300	348	268	263	Wirt	56	40	47	42	35
McDowell	154	161	176	179	174	Wood	775	734	730	731	668
Marion	457	415	413	455	383	Wyoming	173	180	157	213	220
Marshall	242	261	233	243	225						
Mason	216	184	208	205	192						
Mercer	434	506	432	530	461	Total	13,622	13,423	13,276	13,308	13,025
Mineral	166	153	155	154	171						
Mingo	289	257	259	241	241						

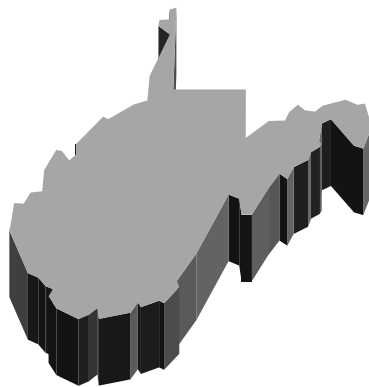
Divorces and Annulments by County of Occurrence
West Virginia, 2008
Table 63

County	Number of Divorces	Number of Annulments	Total	County	Number of Divorces	Number of Annulments	Total
Barbour	106	0	106	Monongalia	250	1	251
Berkeley	354	0	354	Monroe	80	0	80
Boone	164	2	166	Morgan	60	0	60
Braxton	73	0	73	Nicholas	152	0	152
Brooke	100	0	100	Ohio	144	0	144
Cabell	440	0	440	Pendleton	24	0	24
Calhoun	47	0	47	Pleasants	34	0	34
Clay	55	0	55	Pocahontas	56	0	56
Doddridge	36	0	36	Preston	124	1	125
Fayette	278	0	278	Putnam	353	2	355
Gilmer	31	0	31	Raleigh	400	1	401
Grant	49	0	49	Randolph	48	0	48
Greenbrier	180	0	180	Ritchie	64	0	64
Hampshire	117	0	117	Roane	88	0	88
Hancock	128	1	129	Summers	107	0	107
Hardy	72	1	73	Taylor	91	0	91
Harrison	303	1	304	Tucker	27	0	27
Jackson	105	0	105	Tyler	35	0	35
Jefferson	240	1	241	Upshur	128	0	128
Kanawha	1,023	3	1,026	Wayne	241	0	241
Lewis	102	0	102	Webster	45	0	45
Lincoln	87	0	87	Wetzel	82	0	82
Logan	224	0	224	Wirt	29	0	29
McDowell	147	0	147	Wood	320	1	321
Marion	273	0	273	Wyoming	157	1	158
Marshall	134	0	134				
Mason	118	1	119				
Mercer	425	0	425	Total	8,886	17	8,903
Mineral	117	0	117				
Mingo	219	0	219				

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Divorces and Annulments by County of Occurrence
West Virginia, 2004-2008
Table 64

County	2004	2005	2006	2007	2008	County	2004	2005	2006	2007	2008
Barbour	66	77	65	63	106	Monongalia	265	293	240	213	251
Berkeley	489	476	458	348	354	Monroe	81	93	69	70	80
Boone	161	181	148	146	166	Morgan	79	76	79	79	60
Braxton	81	87	75	55	73	Nicholas	162	194	149	157	152
Brooke	75	108	107	97	100	Ohio	53	140	129	125	144
Cabell	478	515	460	412	440	Pendleton	27	27	32	31	24
Calhoun	35	46	57	34	47	Pleasants	36	31	39	49	34
Clay	62	69	59	64	55	Pocahontas	49	54	44	36	56
Doddridge	37	26	41	51	36	Preston	149	125	137	117	125
Fayette	250	286	227	304	278	Putnam	373	300	253	303	355
Gilmer	33	27	30	26	31	Raleigh	431	428	414	417	401
Grant	67	60	71	61	49	Randolph	158	141	134	128	48
Greenbrier	215	144	207	156	180	Ritchie	56	66	45	50	64
Hampshire	110	104	98	93	117	Roane	99	97	87	88	88
Hancock	127	114	126	132	129	Summers	73	69	75	78	107
Hardy	64	73	77	84	73	Taylor	78	72	95	83	91
Harrison	292	294	277	341	304	Tucker	43	41	35	27	27
Jackson	173	167	157	150	105	Tyler	35	49	52	54	35
Jefferson	205	231	216	221	241	Upshur	123	138	131	127	128
Kanawha	801	913	965	1,122	1,026	Wayne	328	278	304	288	241
Lewis	78	99	105	108	102	Webster	31	74	61	59	45
Lincoln	122	121	128	116	87	Wetzel	76	75	89	109	82
Logan	252	183	234	210	224	Wirt	46	26	37	30	29
McDowell	119	121	167	189	147	Wood	475	484	471	462	321
Marion	254	225	280	246	273	Wyoming	133	160	155	154	158
Marshall	157	139	159	203	134						
Mason	166	158	126	167	119						
Mercer	389	345	408	416	425	Total	9,149	9,269	9,191	9,305	8,903
Mineral	132	105	92	143	117						
Mingo	200	244	215	213	219						



West Virginia Vital Statistics
City-Level Data

Number and Rate of Births by City of Residence
West Virginia, 2008

Table 65

25 Most Populated Cities	2008 Estimated Population*	Resident Births	Rate per 1,000 Population
Beckley	16,832	339	20.1
Bluefield	11,093	185	16.7
Bridgeport	7,928	68	8.6
Buckhannon	5,505	75	13.6
Charleston	50,302	769	15.3
Clarksburg	16,441	297	18.1
Dunbar	7,664	106	13.8
Elkins	6,976	105	15.1
Fairmont	19,024	218	11.5
Grafton	5,315	55	10.3
Huntington	49,185	721	14.7
Hurricane	6,335	160	25.3
Martinsburg	17,020	277	16.3
Morgantown	29,642	541	18.3
Moundsville	9,109	114	12.5
New Martinsville	5,564	48	8.6
Nitro	6,784	102	15.0
Oak Hill	7,211	118	16.4
Parkersburg	31,611	595	18.8
Princeton	6,261	80	12.8
Saint Albans	10,996	214	19.5
South Charleston	12,427	189	15.2
Vienna	10,536	101	9.6
Weirton	18,748	205	10.9
Wheeling	28,913	339	11.7

*Annual Estimates of the Population for Incorporated Places in WV:

April 1, 2000 to July 1, 2008 (SUB_EST2008-04-54)

Source: Population Division, U.S. Census Bureau - Release Date: July 1, 2009

West Virginia Bureau for Public Health
Health Statistics Center, 2010

Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2008
Table 66

Selected Causes of Death	Number and Rate by City									
	Beckley		Bluefield		Bridgeport		Buckhannon		Charleston	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	5.9	0	0.0	1	14.7	0	0.0	5	6.5
Total Deaths, All Causes	328	19.5	182	16.4	95	12.0	87	15.8	778	15.5
--Deaths Under One Year	4	11.8	0	0.0	2	29.4	1	13.3	9	11.7
--Deaths Under 28 Days	4	11.8	0	0.0	1	14.7	1	13.3	4	5.2
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	5	29.7	4	36.1	2	25.2	2	36.3	13	25.8
Human Immunodeficiency Virus Infection	1	5.9	0	0.0	0	0.0	0	0.0	2	4.0
Malignant Neoplasms	62	368.3	36	324.5	21	264.9	16	290.6	156	310.1
--of Digestive Organs	19	112.9	9	81.1	3	37.8	5	90.8	33	65.6
----Colon	5	29.7	4	36.1	0	0.0	2	36.3	16	31.8
----Pancreas	3	17.8	1	9.0	2	25.2	0	0.0	7	13.9
--of Respiratory and Intrathoracic Organs	14	83.2	11	99.2	2	25.2	4	72.7	50	99.4
----Trachea, Bronchus, and Lung	14	83.2	11	99.2	2	25.2	3	54.5	48	95.4
--of Breast	2	11.9	4	36.1	3	37.8	1	18.2	14	27.8
--of Genitourinary Organs	6	35.6	2	18.0	6	75.7	3	54.5	24	47.7
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	2	4.0
----Ovary	2	11.9	1	9.0	0	0.0	2	36.3	5	9.9
----Prostate	0	0.0	1	9.0	2	25.2	0	0.0	6	11.9
----Bladder	1	5.9	0	0.0	1	12.6	0	0.0	3	6.0
--All Other (Malignant Neoplasms)	21	124.8	10	90.1	7	88.3	3	54.5	35	69.6
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	11.9	1	9.0	0	0.0	0	0.0	3	6.0
Diabetes Mellitus	9	53.5	8	72.1	3	37.8	2	36.3	27	53.7
Dementia	16	95.1	8	72.1	1	12.6	4	72.7	36	71.6
Alzheimer's Disease	12	71.3	3	27.0	3	37.8	3	54.5	24	47.7
Major Cardiovascular Disease	101	600.0	64	576.9	27	340.6	32	581.3	245	487.1
--Diseases of the Heart	84	499.0	55	495.8	21	264.9	20	363.3	180	357.8
----Ischemic Heart Disease	54	320.8	41	369.6	12	151.4	12	218.0	124	246.5
--Essential Hypertension and Hypertensive Renal Disease	6	35.6	0	0.0	3	37.8	0	0.0	17	33.8
--Cerebrovascular Diseases (Stroke)	11	65.4	6	54.1	2	25.2	9	163.5	41	81.5
--Arteriosclerosis	0	0.0	2	18.0	1	12.6	2	36.3	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	1	9.0	0	0.0	1	18.2	7	13.9
Influenza and Pneumonia	6	35.6	0	0.0	4	50.5	2	36.3	16	31.8
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	6	35.6	0	0.0	4	50.5	2	36.3	16	31.8
Chronic Lower Respiratory Diseases	29	172.3	13	117.2	7	88.3	7	127.2	51	101.4
--Bronchitis, Emphysema, and Asthma	2	11.9	1	9.0	0	0.0	0	0.0	6	11.9
Lung Diseases due to External Agents	9	53.5	1	9.0	0	0.0	0	0.0	4	8.0
--Coal Worker's Pneumoconiosis	5	29.7	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	35.6	1	9.0	2	25.2	1	18.2	5	9.9
Nephritis, Nephrotic Syndrome, and Nephrosis	11	65.4	5	45.1	2	25.2	1	18.2	16	31.8
Congenital Malformations	1	5.9	1	9.0	1	12.6	0	0.0	3	6.0
Ill-Defined and Unknown Causes of Death	2	11.9	2	18.0	1	12.6	1	18.2	4	8.0
Accidents, All Forms	11	65.4	10	90.1	5	63.1	4	72.7	36	71.6
--Motor Vehicle	4	23.8	1	9.0	0	0.0	1	18.2	9	17.9
--Falls	0	0.0	1	9.0	4	50.5	1	18.2	8	15.9
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0	2	4.0
--Smoke, Fires, and Flames	1	5.9	0	0.0	0	0.0	1	18.2	1	2.0
--Poisonings	5	29.7	8	72.1	1	12.6	1	18.2	14	27.8
--Other Accidents	1	5.9	0	0.0	0	0.0	0	0.0	2	4.0
Intentional Self-Harm (Suicide)	4	23.8	3	27.0	2	25.2	0	0.0	10	19.9
Assault (Homicide)	1	5.9	2	18.0	0	0.0	0	0.0	6	11.9
Injury Undetermined Whether Accidental or Purposely Inflicted	2	11.9	1	9.0	0	0.0	1	18.2	6	11.9
All Other Causes (Residual)	38	225.8	19	171.3	14	176.6	11	199.8	115	228.6

West Virginia Bureau for Public Health
Health Statistics Center, 2010

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2008
Table 66 (Cont'd)

Selected Causes of Death	Number and Rate by City									
	Clarksburg		Dunbar		Elkins		Fairmont		Grafton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	3.4	0	0.0	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	266	16.2	132	17.2	117	16.8	284	14.9	95	17.9
--Deaths Under One Year	3	10.1	0	0.0	7	9.5	7	32.1	1	18.2
--Deaths Under 28 Days	1	3.4	0	0.0	1	9.5	3	13.8	0	0.0
Tuberculosis	1	6.1	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	18.2	2	26.1	1	14.3	9	47.3	2	37.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	51	310.2	24	313.2	16	229.4	53	278.6	19	357.5
--of Digestive Organs	9	54.7	5	65.2	2	28.7	14	73.6	2	37.6
----Colon	2	12.2	2	26.1	0	0.0	3	15.8	0	0.0
----Pancreas	3	18.2	0	0.0	0	0.0	4	21.0	1	18.8
--of Respiratory and Intrathoracic Organs	17	103.4	7	91.3	3	43.0	12	63.1	8	150.5
----Trachea, Bronchus, and Lung	15	91.2	7	91.3	3	43.0	10	52.6	7	131.7
--of Breast	3	18.2	1	13.0	2	28.7	7	36.8	1	18.8
--of Genitourinary Organs	8	48.7	2	26.1	3	43.0	8	42.1	1	18.8
----Cervix Uteri	1	6.1	0	0.0	1	14.3	0	0.0	0	0.0
----Ovary	1	6.1	1	13.0	0	0.0	1	5.3	0	0.0
----Prostate	4	24.3	0	0.0	0	0.0	3	15.8	1	18.8
----Bladder	2	12.2	0	0.0	0	0.0	2	10.5	0	0.0
--All Other (Malignant Neoplasms)	14	85.2	9	117.4	6	86.0	12	63.1	7	131.7
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	0	0.0	1	14.3	3	15.8	1	18.8
Diabetes Mellitus	13	79.1	5	65.2	4	57.3	7	36.8	2	37.6
Dementia	3	18.2	9	117.4	2	28.7	26	136.7	2	37.6
Alzheimer's Disease	10	60.8	11	143.5	9	129.0	5	26.3	2	37.6
Major Cardiovascular Disease	93	565.7	42	548.0	47	673.7	86	452.1	28	526.8
--Diseases of the Heart	66	401.4	31	404.5	39	559.1	70	368.0	19	357.5
----Ischemic Heart Disease	38	231.1	18	234.9	26	372.7	51	268.1	17	319.8
--Essential Hypertension and Hypertensive Renal Disease	4	24.3	3	39.1	0	0.0	2	10.5	1	18.8
--Cerebrovascular Diseases (Stroke)	13	79.1	7	91.3	5	71.7	10	52.6	3	56.4
--Arteriosclerosis	4	24.3	0	0.0	1	14.3	2	10.5	5	94.1
--Other Diseases of Arteries, Arterioles, and Capillaries	6	36.5	1	13.0	2	28.7	2	10.5	0	0.0
Influenza and Pneumonia	4	24.3	3	39.1	4	57.3	4	21.0	2	37.6
--Influenza	0	0.0	0	0.0	0	0.0	1	5.3	0	0.0
--Pneumonia	4	24.3	3	39.1	4	57.3	3	15.8	2	37.6
Chronic Lower Respiratory Diseases	14	85.2	3	39.1	9	129.0	24	126.2	9	169.3
--Bronchitis, Emphysema, and Asthma	0	0.0	2	26.1	0	0.0	1	5.3	1	18.8
Lung Diseases due to External Agents	2	12.2	1	13.0	2	28.7	3	15.8	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	18.2	0	0.0	3	43.0	2	10.5	1	18.8
Nephritis, Nephrotic Syndrome, and Nephrosis	10	60.8	5	65.2	2	28.7	6	31.5	3	56.4
Congenital Malformations	3	18.2	0	0.0	0	0.0	3	15.8	0	0.0
Ill-Defined and Unknown Causes of Death	3	18.2	1	13.0	0	0.0	4	21.0	2	37.6
Accidents, All Forms	12	73.0	9	117.4	3	43.0	13	68.3	7	131.7
--Motor Vehicle	3	18.2	0	0.0	0	0.0	2	10.5	1	18.8
--Falls	4	24.3	1	13.0	1	14.3	3	15.8	2	37.6
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	1	13.0	0	0.0	0	0.0	0	0.0
--Poisonings	5	30.4	5	65.2	1	14.3	4	21.0	3	56.4
--Other Accidents	0	0.0	2	26.1	1	14.3	4	21.0	1	18.8
Intentional Self-Harm (Suicide)	6	36.5	3	39.1	1	14.3	2	10.5	0	0.0
Assault (Homicide)	1	6.1	1	13.0	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	13.0	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	34	206.8	12	156.6	13	186.4	34	178.7	15	282.2

Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2008
Table 66 (Cont'd)

Selected Causes of Death	Number and Rate by City									
	Huntington		Hurricane		Martinsburg		Morgantown		Moundsville	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	4.2	2	12.5	2	7.2	1	1.8	0	0.0
Total Deaths, All Causes	744	15.1	79	12.5	211	12.4	249	8.4	162	17.8
--Deaths Under One Year	8	11.1	0	0.0	5	18.1	0	0.0	1	8.8
--Deaths Under 28 Days	5	6.9	0	0.0	4	14.4	0	0.0	1	8.8
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	11	22.4	1	15.8	5	29.4	8	27.0	1	11.0
Human Immunodeficiency Virus Infection	3	6.1	0	0.0	1	5.9	1	3.4	0	0.0
Malignant Neoplasms	141	286.7	23	363.1	52	305.5	46	155.2	27	296.4
--of Digestive Organs	37	75.2	7	110.5	9	52.9	8	27.0	4	43.9
----Colon	12	24.4	1	15.8	1	5.9	4	13.5	2	22.0
----Pancreas	11	22.4	2	31.6	1	5.9	1	3.4	1	11.0
--of Respiratory and Intrathoracic Organs	43	87.4	7	110.5	19	111.6	16	54.0	9	98.8
----Trachea, Bronchus, and Lung	43	87.4	7	110.5	19	111.6	16	54.0	9	98.8
--of Breast	10	20.3	1	15.8	3	17.6	5	16.9	4	43.9
--of Genitourinary Organs	18	36.6	4	63.1	9	52.9	7	23.6	4	43.9
----Cervix Uteri	2	4.1	0	0.0	0	0.0	0	0.0	2	22.0
----Ovary	4	8.1	2	31.6	1	5.9	1	3.4	0	0.0
----Prostate	4	8.1	0	0.0	4	23.5	0	0.0	1	11.0
----Bladder	1	2.0	0	0.0	1	5.9	3	10.1	0	0.0
--All Other (Malignant Neoplasms)	33	67.1	4	63.1	12	70.5	10	33.7	6	65.9
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	5	10.2	0	0.0	0	0.0	0	0.0	2	22.0
Diabetes Mellitus	19	38.6	5	78.9	4	23.5	5	16.9	6	65.9
Dementia	40	81.3	3	47.4	0	0.0	7	23.6	6	65.9
Alzheimer's Disease	44	89.5	2	31.6	6	35.3	9	30.4	5	54.9
Major Cardiovascular Disease	218	443.2	20	315.7	72	423.0	85	286.8	73	801.4
--Diseases of the Heart	165	335.5	17	268.4	59	346.7	63	212.5	58	636.7
----Ischemic Heart Disease	114	231.8	15	236.8	37	217.4	34	114.7	50	548.9
--Essential Hypertension and Hypertensive Renal Disease	8	16.3	0	0.0	2	11.8	3	10.1	3	32.9
--Cerebrovascular Diseases (Stroke)	33	67.1	3	47.4	9	52.9	17	57.4	8	87.8
--Arteriosclerosis	5	10.2	0	0.0	1	5.9	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	7	14.2	0	0.0	1	5.9	2	6.7	4	43.9
Influenza and Pneumonia	9	18.3	0	0.0	2	11.8	2	6.7	5	54.9
--Influenza	1	2.0	0	0.0	0	0.0	1	3.4	0	0.0
--Pneumonia	8	16.3	0	0.0	2	11.8	1	3.4	5	54.9
Chronic Lower Respiratory Diseases	65	132.2	9	142.1	15	88.1	14	47.2	14	153.7
--Bronchitis, Emphysema, and Asthma	6	12.2	0	0.0	3	17.6	1	3.4	0	0.0
Lung Diseases due to External Agents	7	14.2	1	15.8	0	0.0	4	13.5	1	11.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	8	16.3	1	15.8	2	11.8	2	6.7	2	22.0
Nephritis, Nephrotic Syndrome, and Nephrosis	15	30.5	1	15.8	4	23.5	7	23.6	0	0.0
Congenital Malformations	3	6.1	0	0.0	1	5.9	0	0.0	2	22.0
Ill-Defined and Unknown Causes of Death	9	18.3	2	31.6	6	35.3	2	6.7	2	22.0
Accidents, All Forms	31	63.0	3	47.4	11	64.6	15	50.6	5	54.9
--Motor Vehicle	3	6.1	1	15.8	2	11.8	3	10.1	2	22.0
--Falls	4	8.1	0	0.0	2	11.8	7	23.6	2	22.0
--Drownings	2	4.1	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires, and Flames	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	17	34.6	2	31.6	7	41.1	5	16.9	1	11.0
--Other Accidents	4	8.1	0	0.0	0	0.0	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	7	14.2	0	0.0	5	29.4	2	6.7	0	0.0
Assault (Homicide)	5	10.2	0	0.0	0	0.0	1	3.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	7	14.2	0	0.0	2	11.8	3	10.1	0	0.0
All Other Causes (Residual)	97	197.2	8	126.3	23	135.1	36	121.4	11	120.8

Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2008
Table 66 (Cont'd)

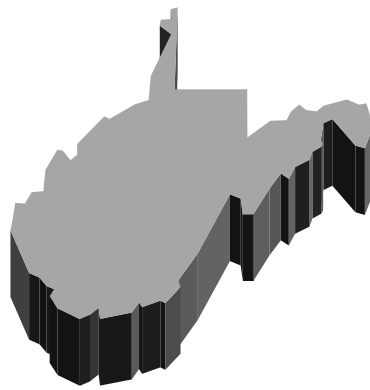
Selected Causes of Death	Number and Rate by City									
	New Martinsville		Nitro		Oak Hill		Parkersburg		Princeton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	1	9.8	0	0.0	4	6.7	2	25.0
Total Deaths, All Causes	88	15.8	100	14.7	136	18.9	565	17.9	97	15.5
--Deaths Under One Year	1	20.8	0	0.0	1	8.5	2	3.4	1	12.5
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	18.0	3	44.2	2	27.7	8	25.3	6	95.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	2	6.3	0	0.0
Malignant Neoplasms	13	233.6	18	265.3	24	332.8	135	427.1	15	239.6
--of Digestive Organs	4	71.9	1	14.7	4	55.5	28	88.6	1	16.0
----Colon	3	53.9	0	0.0	2	27.7	8	25.3	0	0.0
----Pancreas	1	18.0	1	14.7	0	0.0	11	34.8	1	16.0
--of Respiratory and Intrathoracic Organs	7	125.8	3	44.2	7	97.1	38	120.2	8	127.8
----Trachea, Bronchus, and Lung	7	125.8	3	44.2	7	97.1	36	113.9	8	127.8
--of Breast	0	0.0	1	14.7	1	13.9	9	28.5	1	16.0
--of Genitourinary Organs	1	18.0	5	73.7	3	41.6	17	53.8	1	16.0
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	18.0	1	14.7	2	27.7	1	3.2	0	0.0
----Prostate	0	0.0	1	14.7	0	0.0	5	15.8	1	16.0
----Bladder	0	0.0	0	0.0	0	0.0	4	12.7	0	0.0
--All Other (Malignant Neoplasms)	1	18.0	8	117.9	9	124.8	43	136.0	4	63.9
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	1	14.7	1	13.9	4	12.7	0	0.0
Diabetes Mellitus	2	35.9	4	59.0	9	124.8	15	47.5	2	31.9
Dementia	0	0.0	8	117.9	3	41.6	9	28.5	2	31.9
Alzheimer's Disease	2	35.9	6	88.4	4	55.5	17	53.8	0	0.0
Major Cardiovascular Disease	27	485.3	23	339.0	42	582.4	222	702.3	28	447.2
--Diseases of the Heart	19	341.5	16	235.8	28	388.3	172	544.1	24	383.3
----Ischemic Heart Disease	12	215.7	13	191.6	20	277.4	83	262.6	17	271.5
--Essential Hypertension and Hypertensive Renal Disease	1	18.0	0	0.0	1	13.9	7	22.1	1	16.0
--Cerebrovascular Diseases (Stroke)	5	89.9	6	88.4	10	138.7	36	113.9	3	47.9
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	6	19.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	2	35.9	1	14.7	3	41.6	1	3.2	0	0.0
Influenza and Pneumonia	4	71.9	3	44.2	2	27.7	6	19.0	1	16.0
--Influenza	2	35.9	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	2	35.9	3	44.2	2	27.7	6	19.0	1	16.0
Chronic Lower Respiratory Diseases	5	89.9	5	73.7	15	208.0	42	132.9	15	239.6
--Bronchitis, Emphysema, and Asthma	1	18.0	1	14.7	2	27.7	2	6.3	0	0.0
Lung Diseases due to External Agents	1	18.0	1	14.7	0	0.0	1	3.2	1	16.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	1	14.7	3	41.6	5	15.8	1	16.0
Nephritis, Nephrotic Syndrome, and Nephrosis	1	18.0	6	88.4	1	13.9	10	31.6	3	47.9
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	18.0	0	0.0	1	13.9	5	15.8	3	47.9
Accidents, All Forms	6	107.8	2	29.5	5	69.3	21	66.4	5	79.9
--Motor Vehicle	2	35.9	0	0.0	2	27.7	5	15.8	2	31.9
--Falls	2	35.9	1	14.7	0	0.0	4	12.7	2	31.9
--Drownings	1	18.0	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	1	18.0	1	14.7	3	41.6	8	25.3	1	16.0
--Other Accidents	0	0.0	0	0.0	0	0.0	4	12.7	0	0.0
Intentional Self-Harm (Suicide)	1	18.0	1	14.7	1	13.9	5	15.8	0	0.0
Assault (Homicide)	0	0.0	1	14.7	0	0.0	1	3.2	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	14.7	1	13.9	3	9.5	0	0.0
All Other Causes (Residual)	24	431.3	16	235.8	22	305.1	54	170.8	15	239.6

Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2008
Table 66 (Cont'd)

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	1	4.7	2	10.6	0	0.0	1	4.9	2	5.9
Total Deaths, All Causes	209	19.0	192	15.5	139	13.2	288	15.4	476	16.5
--Deaths Under One Year	1	4.7	3	15.9	0	0.0	2	9.8	2	5.9
--Deaths Under 28 Days	1	4.7	3	15.9	0	0.0	1	4.9	2	5.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	36.4	4	32.2	0	0.0	5	26.7	4	13.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	5.3	1	3.5
Malignant Neoplasms	43	391.1	46	370.2	39	370.2	61	325.4	103	356.2
--of Digestive Organs	6	54.6	8	64.4	9	85.4	19	101.3	18	62.3
----Colon	1	9.1	1	8.0	2	19.0	6	32.0	6	20.8
----Pancreas	4	36.4	3	24.1	3	28.5	5	26.7	4	13.8
--of Respiratory and Intrathoracic Organs	15	136.4	14	112.7	13	123.4	11	58.7	25	86.5
----Trachea, Bronchus, and Lung	15	136.4	14	112.7	13	123.4	11	58.7	23	79.5
--of Breast	4	36.4	8	64.4	3	28.5	3	16.0	12	41.5
--of Genitourinary Organs	10	90.9	9	72.4	9	85.4	11	58.7	16	55.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	1	8.0	3	28.5	3	16.0	0	0.0
----Prostate	5	45.5	2	16.1	2	19.0	2	10.7	7	24.2
----Bladder	1	9.1	2	16.1	2	19.0	4	21.3	4	13.8
--All Other (Malignant Neoplasms)	8	72.8	7	56.3	5	47.5	17	90.7	32	110.7
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	18.2	2	16.1	1	9.5	1	5.3	2	6.9
Diabetes Mellitus	5	45.5	3	24.1	4	38.0	4	21.3	30	103.8
Dementia	20	181.9	10	80.5	2	19.0	13	69.3	21	72.6
Alzheimer's Disease	9	81.8	8	64.4	4	38.0	5	26.7	11	38.0
Major Cardiovascular Disease	67	609.3	57	458.7	52	493.5	118	629.4	160	553.4
--Diseases of the Heart	49	445.6	44	354.1	45	427.1	95	506.7	115	397.7
----Ischemic Heart Disease	32	291.0	21	169.0	28	265.8	64	341.4	82	283.6
--Essential Hypertension and Hypertensive Renal Disease	4	36.4	4	32.2	1	9.5	1	5.3	1	3.5
--Cerebrovascular Diseases (Stroke)	14	127.3	5	40.2	6	56.9	19	101.3	41	141.8
--Arteriosclerosis	0	0.0	1	8.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	3	24.1	0	0.0	3	16.0	3	10.4
Influenza and Pneumonia	6	54.6	0	0.0	5	47.5	5	26.7	11	38.0
--Influenza	0	0.0	0	0.0	1	9.5	0	0.0	1	3.5
--Pneumonia	6	54.6	0	0.0	4	38.0	5	26.7	10	34.6
Chronic Lower Respiratory Diseases	11	100.0	9	72.4	8	75.9	16	85.3	42	145.3
--Bronchitis, Emphysema, and Asthma	0	0.0	2	16.1	1	9.5	3	16.0	6	20.8
Lung Diseases due to External Agents	0	0.0	0	0.0	1	9.5	2	10.7	2	6.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	9.5	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	18.2	2	16.1	0	0.0	1	5.3	7	24.2
Nephritis, Nephrotic Syndrome, and Nephrosis	6	54.6	6	48.3	2	19.0	11	58.7	9	31.1
Congenital Malformations	0	0.0	0	0.0	0	0.0	2	10.7	1	3.5
Ill-Defined and Unknown Causes of Death	2	18.2	1	8.0	0	0.0	2	10.7	4	13.8
Accidents, All Forms	5	45.5	8	64.4	5	47.5	15	80.0	15	51.9
--Motor Vehicle	0	0.0	0	0.0	2	19.0	3	16.0	2	6.9
--Falls	0	0.0	3	24.1	3	28.5	3	16.0	7	24.2
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0	1	3.5
--Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	1	5.3	0	0.0
--Poisonings	5	45.5	4	32.2	0	0.0	7	37.3	4	13.8
--Other Accidents	0	0.0	1	8.0	0	0.0	1	5.3	1	3.5
Intentional Self-Harm (Suicide)	1	9.1	1	8.0	4	38.0	3	16.0	5	17.3
Assault (Homicide)	0	0.0	0	0.0	1	9.5	1	5.3	1	3.5
Injury Undetermined Whether Accidental or Purposely Inflicted	3	27.3	2	16.1	1	9.5	2	10.7	1	3.5
All Other Causes (Residual)	23	209.2	33	265.6	10	94.9	20	106.7	46	159.1

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*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

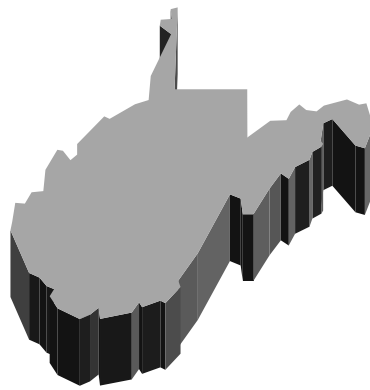


West Virginia Vital Statistics

Appendix A:
ICD-10 Codes

APPENDIX A
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
F00-F03	Dementia
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 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
X40-X49	====Poisonings
	====All Other (Accidents)
X60-X84, Y87.0	Intentional Self-Harm (Suicide)
X85-Y09, Y87.1	Assault (Homicide)
Y10-Y34, Y87.2	Injury Undetermined Whether Accidentally or Purposely Inflicted
	All Other Causes (Residual)



West Virginia Vital Statistics

**Appendix B:
Methodology,
Rates/Ratios,
and Definitions**

APPENDIX B METHODOLOGY

Data used to prepare this report are taken from birth and death certificates, fetal death reports, marriage applications, divorce reports, Induced Terminations of Pregnancy (ITOP), and paternity affidavits occurring in calendar year 2008 and filed in the state office of vital statistics prior to February 18, 2010. Vital events occurring to West Virginia residents in other states and tabulated 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, 934 births occurred within the geographic confines of the Harrison County of which only so many were to mothers who reside in Harrison County; the remainder reside in other counties or states. Resident births for the county for 2008 totaled 855 which include 616 births that occurred in Harrison County and 239 births to Harrison County residents that occurred elsewhere. With the exception of Tables 10, 11, 12, 13, 15, and 45 (and Exhibit 9), natality data presented in this report are based on place of residence, and resident populations are used to calculate rates.

With the exception of Table 18 and the second page of Table 53, mortality data are similarly reported by place of residence.

Statistical Variation

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

Table 30 presents the number of infant deaths by race of mother while the table on page 70 in the summary has the number of infant deaths by race of infant.

Geographic Classification

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

Cause of Death Classification

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

Effective in 1999, the National Center for Health Statistics and the World Health Organization adopted the *Tenth Revision of the International Classification of Diseases Adapted for Use in the United States, 1999 (ICD-10)*. The deaths with codes A00 through T98 and Z00-Z99 were coded using the “nature of injury” causes, while those with codes V01 through Y98 were coded using the “external cause” of death. The external codes are used to indicate a death due to an external rather than an internal cause.

In several tables individual causes of death have been grouped into important selected causes of death. See Appendix A, Page 149 “Groupings of ICD-10 Codes,” for a listing of the selected causes of death.

Population

The rates given in this publication were calculated using the 2008 estimated population figures from the U.S. Department of Commerce, Bureau of the Census. This can be found on the Internet at <http://www.census.gov/popest/states/NST-ann-est2008.html> (followed by the spreadsheet - NST-EST2008-01.xls).

Forms

The following is a list of the certificates and forms used in obtaining the data used in this publication.

- 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
- Induced Termination of Pregnancy (ITOP)
- Declaration of Paternity Affidavit

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

Health Statistics Center
350 Capitol Street, Room 165
Charleston, WV 25301-3701
Telephone: (304) 558-9100
FAX: (304) 558-1787

E-Mail: dhhvitalreg@wv.gov

APPENDIX B (Cont'd) RATES AND RATIOS

The impact of 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. State rates with larger frequencies provide more accurate data overall.

Rates used in this report are calculated with the 2008 estimated population figures from the U.S. Department of Commerce, Bureau of the Census.

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

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

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

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

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

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

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

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

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

APPENDIX B (Cont'd) DEFINITIONS

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

CAUSE OF DEATH - The underlying cause of death / 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.

INDUCED TERMINATION OF PREGNANCY (ITOP) - The purposeful interruption of an intrauterine pregnancy with the intention other than to produce a live-born infant that does not result in live birth. This excludes management of prolonged retention of products of conception following fetal death.

INFANT DEATH - The death of a live-born infant before one year of age.

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.

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

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

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

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

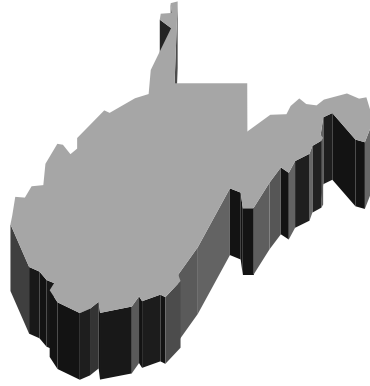
PATERNITY AFFIDAVIT- A legal document signed by both parents declaring the paternity of their child.

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

APPENDIX B (Cont'd)
DEFINITIONS (Cont'd)

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.

UNEMANCIPATED MINOR – For the purpose of this publication and reporting of Induced Termination of Pregnancy (ITOP), any person under the age of 18 years who has not graduated from high school and is neither married nor who has been otherwise emancipated.



West Virginia Vital Statistics

Appendix C:

Grams Conversion

APPENDIX C

Grams Conversion Table

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

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Health Statistics Center, 2010

