

West Virginia Vital Statistics 2009



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Health Statistics Center
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Charleston, WV 25301*

*Earl Ray Tomblin, Governor
Rocco S. Fucillo, Cabinet Secretary*

SIXTY-THIRD ANNUAL REPORT

WEST VIRGINIA
VITAL STATISTICS
2009



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FOREWORD

West Virginia Vital Statistics 2009 publication provides an in-depth look at births, deaths, marriages, and divorces that occurred among state residents in 2009. Beginning with the 2008 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 second year in a row. West Virginia rose in overall population between 2008 and 2009 with 26 of the 55 counties gaining population.

The number of total births decreased (21,493 to 21,275) from 2008 to 2009, and the births to teenage mothers increased as well. Births to unmarried mothers continued to rise; over two out of every five births in 2009 occurred out of wedlock.

Of the women who gave birth in 2009, 82.1% received prenatal care during the first trimester of pregnancy while 27.2% smoked during pregnancy. The percentage of low birthweight babies declined some from 9.5% in 2008 to 9.2%. In 2009, 36.3% of all babies were delivered by Cesarean section. The infant death rate rose from 7.7 per 1,000 live births in 2008 to 7.8 in 2009.

The number of deaths decreased by 166 in 2009. The average age at death for West Virginians was 68.7 for men and 75.5 for women. Heart disease, cancer, chronic lower respiratory disease, and accidents were the four leading causes of death, accountable for 58.5% of all deaths in West Virginia. Motor vehicle traffic accident deaths decreased by 12, from 380 to 368 between 2008 and 2009. Marriages decreased for the eighth time in nine years, from 13,025 in 2008 to 12,468 in 2009. Divorces decreased from 8,903 in 2008 to 9,420 in 2009.

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 1,772 ITOPs performed in the state in 2009 compared with 1,982 in 2008. In 2009, 110 of these procedures involved a minor under the age of 18 compared with 117 in 2008.

Among the unmarried mothers giving birth in West Virginia, a father was established through a paternity affidavit in 71.2% of these births, which is the same as the 2008 percentage.

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

2009 West Virginia and United States Vital Statistics Review

	West Virginia		United States***	
	Number	Rate*	Number	Rate*
Live Births	21,275	11.7	4,130,665	13.5
Deaths	21,385	11.8	2,436,652	7.9
Fetal Deaths	121	**5.7	N/A	N/A
Neonatal Deaths	113	**5.3	17,298	**4.2
Infant Deaths	167	**7.8	26,531	**6.4
Marriages	12,468	6.9	2,077,000	7.1
Divorces & Annulments	9,420	5.2	N/A	N/A
Natural Increase (Decrease)	(110)	-0.06	1,694,013	5.5
Population	1,819,777		307,006,550	

*Rates based on 2009 Bureau of the Census population estimates. Website address <http://www.census.gov/popest/states/NST-ann-est2009.html> (followed by the spreadsheet - NST-EST2009-01.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/nvsr60/nvsr60_01.pdf

(Deaths, Neonatal, and Infant Deaths) *National Vital Statistics Report*. Website address http://www.cdc.gov/nchs/data/nvsr/nvsr59/nvsr59_04.pdf

(Marriages) *National Vital Statistics Report*. Website address http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_25.pdf

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Health Statistics Center, 2011

Selected Records and Trivia West Virginia, 2009

Nativity

Oldest Father: 72
 Youngest Father: 14
 Oldest Mother: 48
 Youngest Mother: 13
 Highest Live Birth Order: 13th Delivery – 12 siblings (brothers and sisters)
 Day Most Births Occurred: September 9 (100)
 Day Fewest Births Occurred: April 25 and October 4 (22)
 Number of Live Born Twins: 638
 Number of Live Born Triplets: 12
 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	152	Madison	154
Landon	133	Isabella	146
Hunter	132	Emma	141
Noah	126	Alexis	118
Logan	122	Olivia	118
Aiden	120	Emily	106
Brayden	119	Abigail	100
Ethan	117	Ava	96
James	111	Chloe	95
Elijah	108	Kaylee	86

Mortality

Oldest Male Decedent: 107
 Oldest Female Decedent: 108
 Number of Male Decedents 100 Yrs. & Older: 26
 Number of Female Decedents 100 Yrs. & Older: 107
 Day Most Deaths Occurred: January 2 (85)
 Day Fewest Deaths Occurred: June 2 (35)

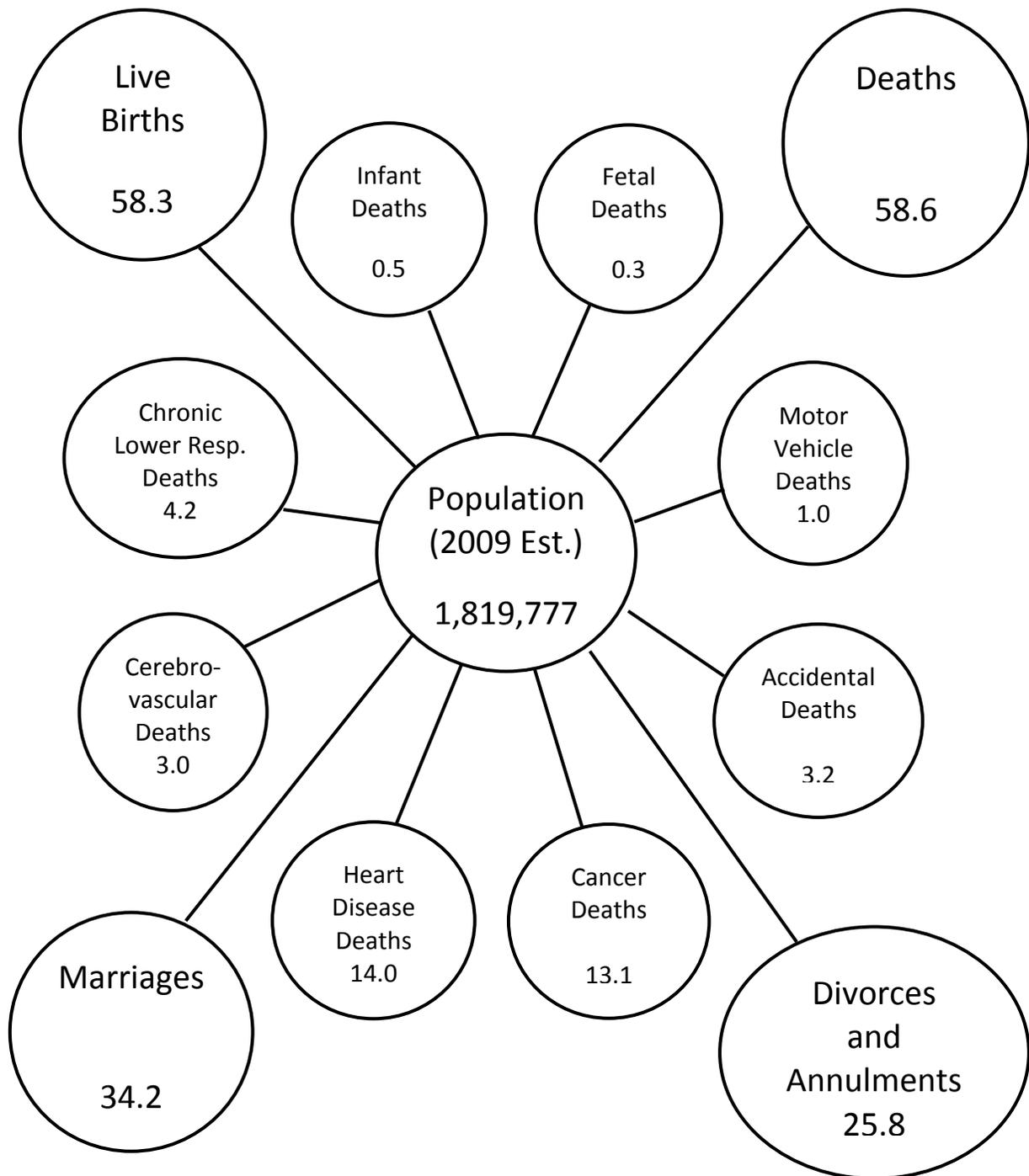
Marriage

Oldest Groom: 93
 Youngest Groom: 16
 Oldest Bride: 88
 Youngest Bride: 15
 Largest Age Difference with Bride Older: 31 Years
 Largest Age Difference with Groom Older: 43 Years

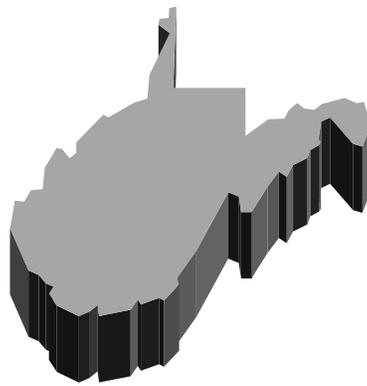
Divorce

Oldest Male Divorcé: 89
 Youngest Male Divorcé: 16
 Oldest Female Divorcée: 92
 Youngest Female Divorcée: 16
 Marriage of Longest Duration Ending in Divorce: 60 Years

Average Day Statistics West Virginia, 2009



West Virginia Bureau for Public Health
Health Statistics Center, 2011



West Virginia Vital Statistics

Population

Population Summary

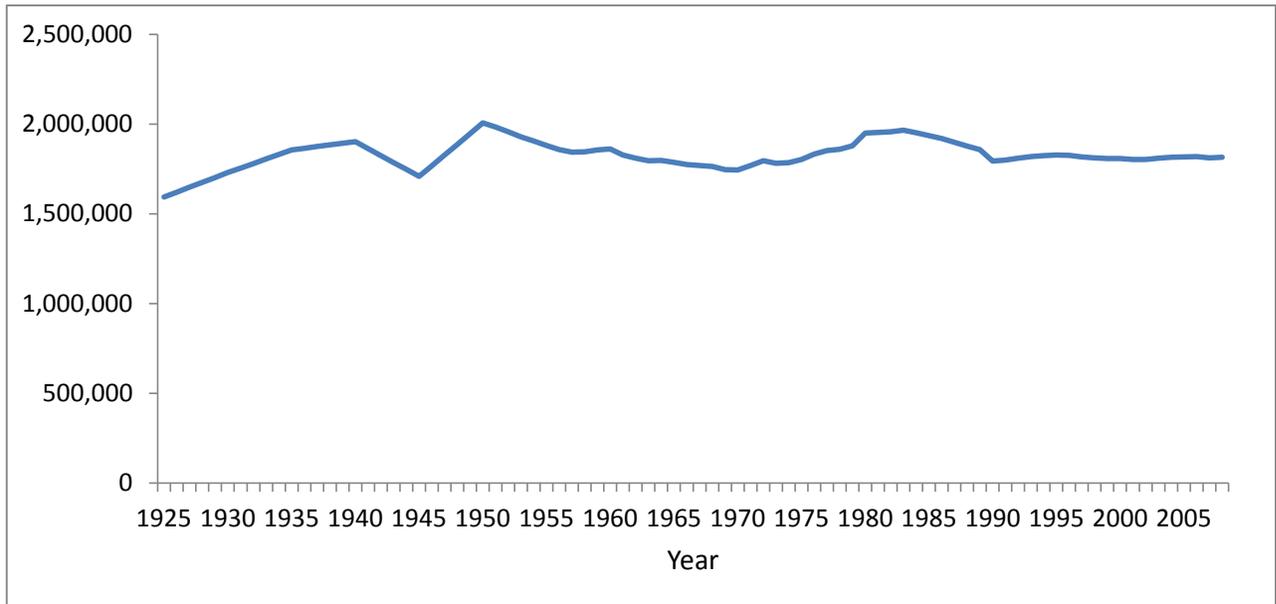
In 2009, 110 West Virginians were lost to the total population as a result of natural decrease, the excess of deaths over births. The 2009 Census estimates show an overall increase (approximately 0.6%) in the state's population since 2000, from 1,808,344 to 1,819,777. This increase is the result of a 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 2009, slightly under half (26) of the state's 55 counties have shown an increase. Furthermore, only three 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, 1925-2009

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%
2009*	1,819,777	2008 to 2009	0.3%

West Virginia Population by County, 2008 and 2009

Table 1

County	2008*	2009*	County	2008*	2009*
Barbour	15,600	15,758	Monongalia	88,221	90,080
Berkeley	102,044	103,854	Monroe	13,739	13,715
Boone	24,977	24,709	Morgan	16,325	16,385
Braxton	14,700	14,434	Nicholas	26,137	26,213
Brooke	23,520	23,509	Ohio	44,106	44,015
Cabell	94,631	95,214	Pendleton	7,582	7,390
Calhoun	7,212	7,118	Pleasants	7,150	7,364
Clay	10,075	10,022	Pocahontas	8,472	8,418
Doddridge	7,201	7,202	Preston	30,285	30,247
Fayette	46,341	46,123	Putnam	55,488	55,673
Gilmer	6,873	6,824	Raleigh	79,357	79,187
Grant	12,047	11,833	Randolph	28,264	28,390
Greenbrier	34,567	34,527	Ritchie	10,308	10,208
Hampshire	22,574	22,695	Roane	15,169	14,870
Hancock	30,008	29,729	Summers	13,017	13,081
Hardy	13,591	13,611	Taylor	16,158	16,328
Harrison	68,853	68,911	Tucker	6,877	6,812
Jackson	28,157	28,067	Tyler	8,841	8,680
Jefferson	51,615	52,750	Upshur	23,582	23,806
Kanawha	191,018	191,663	Wayne	41,082	41,119
Lewis	17,281	17,391	Webster	9,394	9,444
Lincoln	22,386	22,147	Wetzel	16,329	16,226
Logan	35,525	35,498	Wirt	5,757	5,605
McDowell	22,707	22,398	Wood	86,204	86,888
Marion	56,496	56,706	Wyoming	23,534	23,304
Marshall	32,766	32,556			
Mason	25,678	25,568			
Mercer	61,500	61,921	WV Total	1,814,468	1,819,777
Mineral	26,795	27,204			
Mingo	26,352	26,387			

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

West Virginia Bureau for Public Health
Health Statistics Center, 2011

West Virginia Population Characteristics, 2000 and 2009
Distribution by Gender, Age, and Race

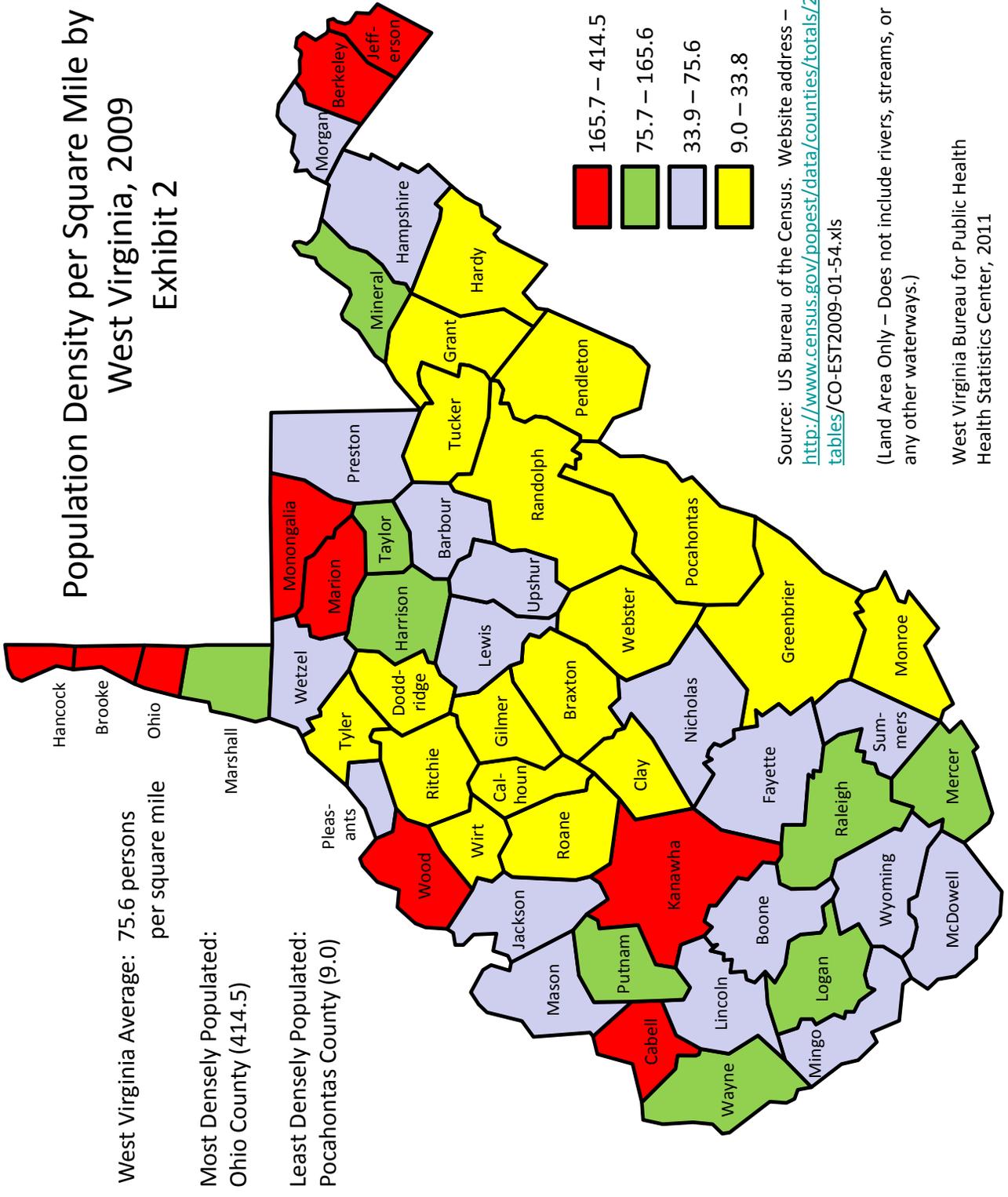
Table 2

Characteristic	2000 Census		2009 Estimate	
	Number	Percent	Number	Percent
<u>Total</u>	1,808,344	100.0%	1,819,777	100.0%
<u>Gender</u>				
Male	879,170	48.6%	888,696	48.8%
Female	929,174	51.4%	931,081	51.2%
<u>Age</u>				
Less than 5 Years	101,805	5.6%	105,976	5.8%
5-17 Years	300,588	16.6%	280,473	15.4%
18-44 Years	673,774	37.3%	629,373	34.6%
45-64 Years	455,282	25.2%	516,398	28.4%
65 Years and Older	276,895	15.3%	287,557	15.8%
<u>Race</u>				
White or Caucasian	1,718,777	95.0%	1,718,074	94.4%
Black or African American	57,232	3.2%	66,433	3.7%
Asian/Pacific Islander	9,834	0.5%	12,703	0.7%
American Indian, Eskimo, and Aleutian Islander	3,606	0.2%	4,320	0.2%
All Other Races	18,895	1.0%	18,247	1.0%
<u>Hispanic Origin*</u>	12,279	0.7%	22,662	1.2%

*May be of any race

2009 Estimate Source: (Gender & Age) <http://www.census.gov/popest/data/state/asrh/2009/files/SC-EST2009-AGESEX-RES.csv>
(Race & Origin) <http://www.census.gov/popest/data/state/asrh/2009/tables/SC-EST2009-04.csv>

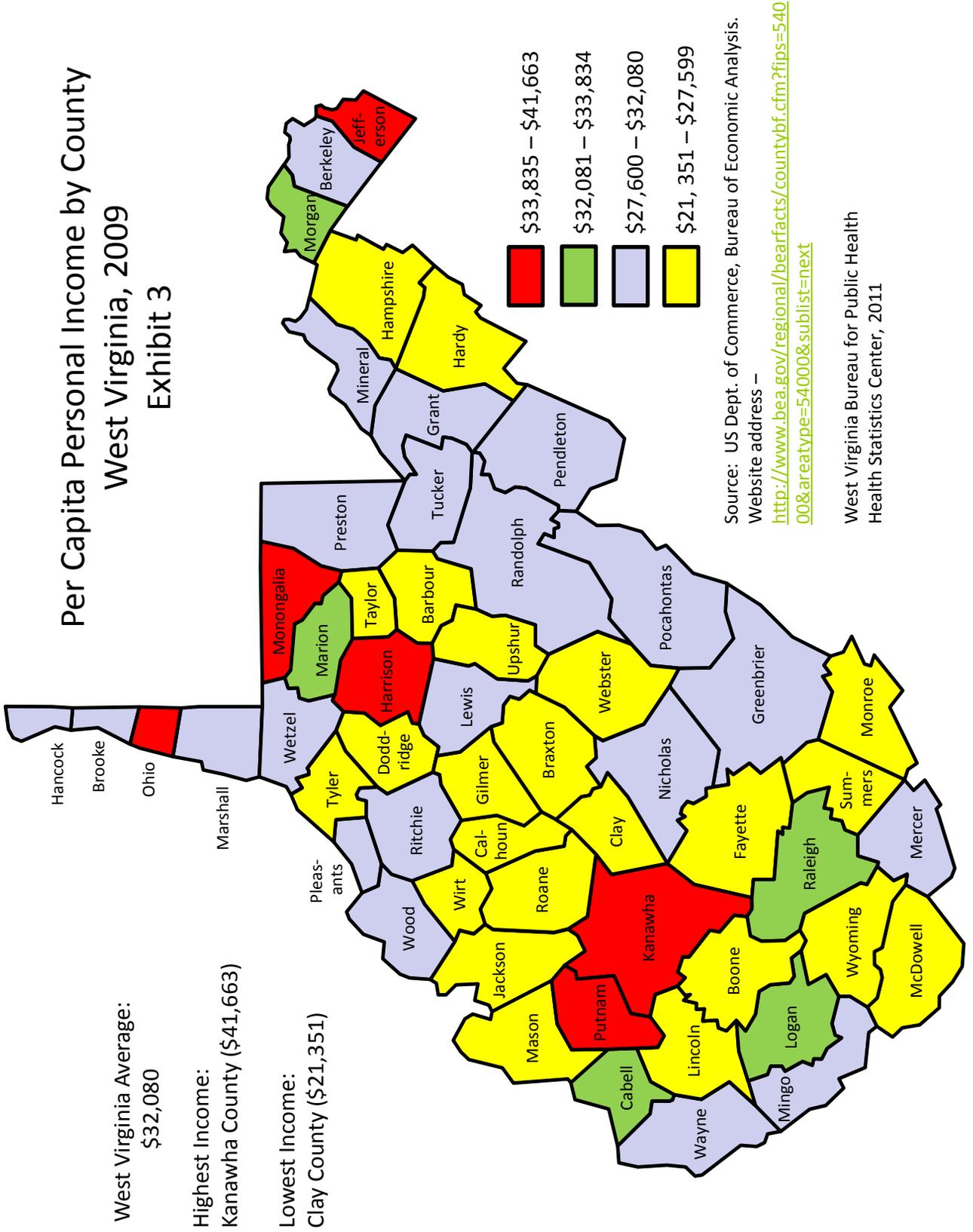
Population Density per Square Mile by County West Virginia, 2009 Exhibit 2



Per Capita Personal Income by County

West Virginia, 2009

Exhibit 3



Births, Deaths, Natural Increase or Decrease, and Net Migration
West Virginia Population, 1950-2009

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	1,814,468	21,493	21,551	(58)	2,491	0.13%
2009 - e	1,819,777	21,275	21,385	(110)	5,419	0.29%

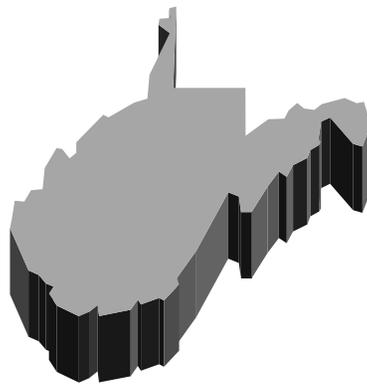
a. Enumerated as of April 1 of the specified year. (US Department of Commerce, Bureau of the Census)

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 2009: http://www.census.gov/popest/counties/CO-EST2009-popchg2000_2009.html

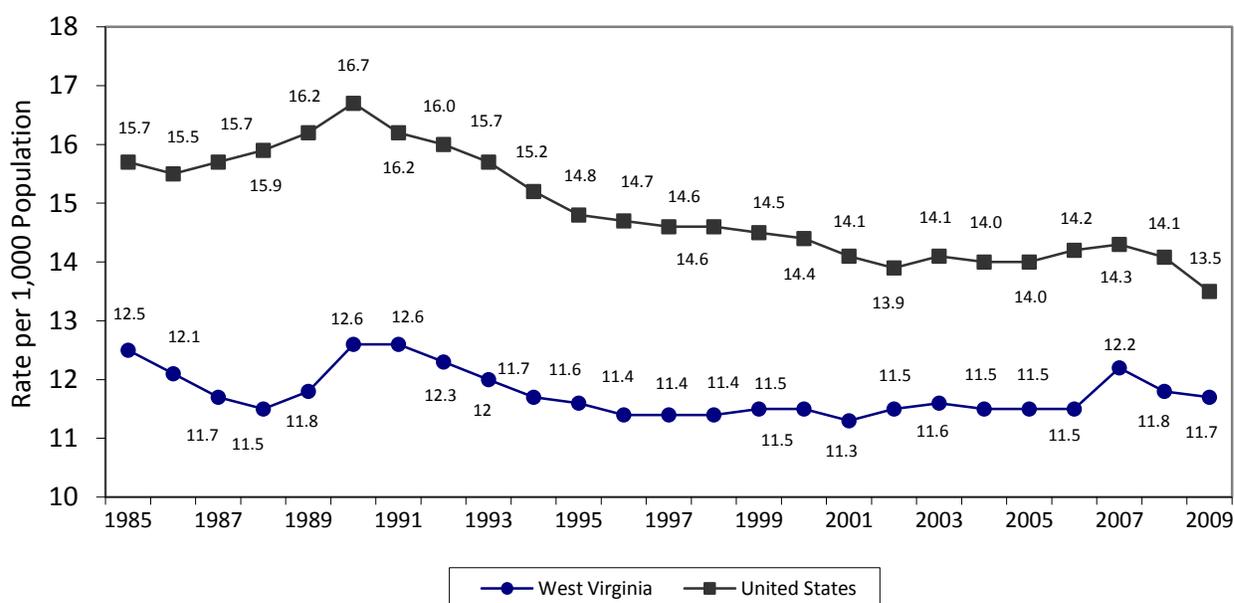


West Virginia Vital Statistics
Births

Birth Summary

West Virginia's resident live births decreased by 218 or 1.0%, from 21,493 in 2008 to 21,275 in 2009. The 2009 birth rate decreased 0.9%, from 11.8 per 1,000 population in 2008 to 11.7. The U.S. 2009 birth rate was 13.5 live births per 1,000 population, decreasing from the 2008 rate of 14.1. As the graph below shows, West Virginia's birth rate has been below the national rate since 1985. 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 a slight increase in 2007.

West Virginia and United States Birth Rates
1985-2009



The 2009 U.S. fertility rate of 66.7 live births per 1,000 women aged 15-44 was slightly lower (2.5%) than the 2008 rate (68.4). West Virginia's fertility rate decreased 0.6%, from 62.2 in 2008 to 61.8 in 2009. 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, 2009					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
49.5	39.1	63.9	72.1	61.8	66.7

* All fertility rates were calculated using 2009 estimates, U.S. Department of Commerce, Bureau of the Census.

WV population - <http://www.census.gov/popest/data/state/asrh/2009/SC-EST2009-02.html> SC-EST2009-02-54.csv.

**National Center for Health Statistics, website address: http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_01.pdf.

US population estimates are found in Technical Notes section.

Total (15-44) fertility rates are calculated by using all births regardless of mother's age and the female population ages 15-44.

The fertility rate among women aged 15-19 in West Virginia was 26.6% higher than that among young women in the U.S. (49.5 vs. 39.1). The fertility rate among women aged 20-44 was lower by 11.4% in the state than in the nation (63.9 vs. 72.1).

The number of births to teen mothers (ages 10-19) increased by 69 (2.5%), from 2,781 in 2008 to 2,850 in 2009. The percentage of total births represented by teen births was higher in 2009 than 2008 (13.4% vs. 12.9%). 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 (10.0% in 2009).

The percentage of births occurring out of wedlock continued to rise in 2009. More than two of every five (43.6%) West Virginia resident births were to unwed mothers. The percentages of white and black births that occurred out of wedlock in West Virginia in 2009 were 42.3% and 78.0%, respectively, compared to 40.8% and 75.2% in 2008. In the United States in 2009, 29.0% of births to white mothers (non-Hispanic) and 72.8% of births to black mothers (non-Hispanic) occurred out of wedlock. The percentage of teen births to unmarried teen mothers in the state also increased from 80.5% in 2008 to 81.2% in 2009.

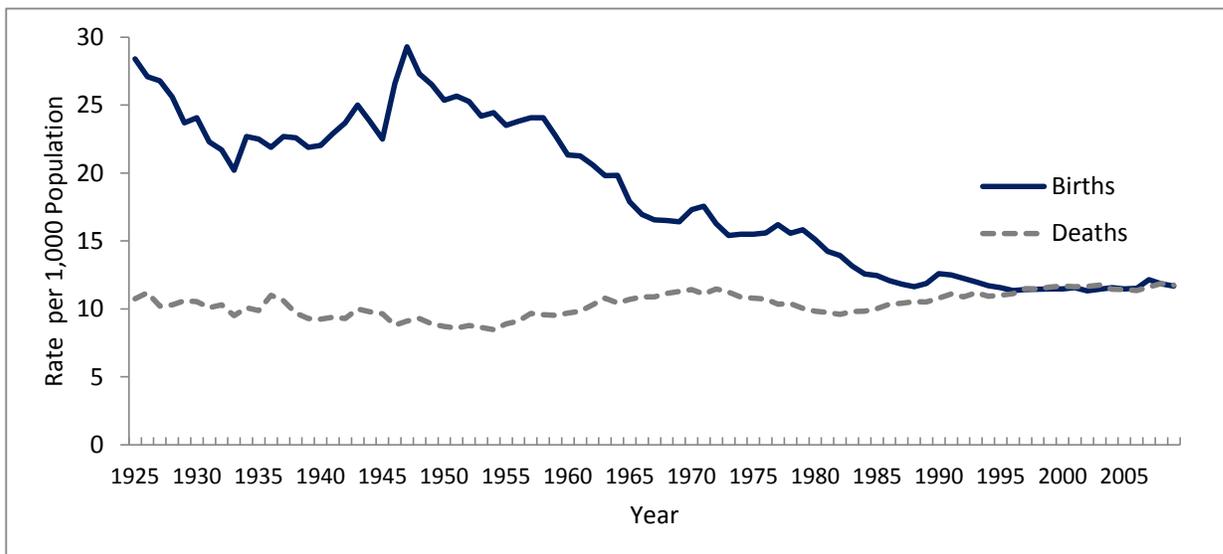
There was a total of 1,957 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2009, 9.2% of all births. Of the 1,957 low birthweight infants, 1,306 or 66.8% were preterm babies born before 37 weeks of gestation. (Of all 2009 resident births with a known gestational age, 10.8% were preterm babies.) Of all births with a known birthweight, 9.0% of babies born to white mothers and 14.6% of babies born to black mothers were low birthweight. Nationally, 8.2% of all infants weighed less than 2,500 grams at birth in 2009; 7.2% of births to white mothers and 13.6% of births to black mothers were of low birthweight. Also nationally, 12.2% of all infants were preterm births; 10.9% of births to white mothers (non-Hispanic) and 17.5% to black mothers (non-Hispanic).

In 2009, 82.1% 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, 82.5% of white mothers began care during the first trimester; 72.2% 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 1.6% of black mothers.

Over one-fourth (27.2%) of the births in 2009 were to mothers who smoked during their pregnancies, while 0.3% of births were to women who reported using 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, 14.1% of the babies born were low birthweight, compared with 7.4% among non-smoking mothers. Over one-third (36.3%) of 2009 state births were delivered by Cesarean section, compared with a national rate of 32.9%. One or more complications of labor and/or delivery were reported for 34.2% of deliveries in the state in 2009.

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 Maryland, 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 Maryland occurrence.

Number and Rate of Resident Births (Compared to Deaths)
West Virginia, 1925-2009
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
2009	21,275	11.7	21,385	11.8

Summary Totals
West Virginia Resident Births, 2009
Table 4

Characteristic	Number	Percent	Characteristic	Number	Percent
Total	21,275	100.0%	<u>Mother's Marital Status</u>		
<u>Gender</u>			White or Caucasian	11,632	57.7%
Male	10,820	50.9%	Married	8,526	42.3%
Female	10,455	49.1%	Not Married	23	
Unknown	0		Unknown		
<u>Race of Mother</u>			Black or African American	181	22.0%
White or Caucasian	20,181	95.0%	Married	643	78.0%
Black or African American	824	3.9%	Not Married	0	
All Other Races	233	1.1%	Unknown		
Unknown	37		All Other Races	162	69.5%
<u>Attendant at Birth</u>			Married	71	30.5%
Physician	18,269	86.5%	Not Married	0	
Certified Nurse Midwife	2,784	13.2%	Unknown		
Certified Professional Midwife	23	0.1%	Unknown	7	25.9%
Lay Midwife	16	0.1%	Married	20	74.1%
EMT/Paramedic	3	0.0%	Not Married		
Other	27	0.1%	Unknown	10	
Unknown	153		<u>Method of Delivery</u>		
<u>Place of Birth</u>			Vaginal	13,399	63.1%
Hospital	21,136	99.4%	Vaginal after Previous Cesarean Section	128	0.6%
Home	77	0.4%	Cesarean Section	7,721	36.3%
Freestanding Birthing Center	24	0.1%	Primary	4,561	21.5%
En Route to Hospital	14	0.1%	Repeat	3,160	14.9%
Doctor's Office	0	0.0%	<u>One or More Reported Factors</u>		
Other Specified Address (Not Home)	3	0.0%	Medical Risk Factors	9,290	44.0%
Unknown	20		Complications of Labor and/or Delivery	7,232	34.2%
<u>Mother's Smoking Status</u>			Congenital Malformations	378	1.8%
Smoked During Pregnancy	5,774	27.2%	Abnormal Conditions of the Newborn	1,443	6.9%

West Virginia Bureau for Public Health
Health Statistics Center, 2011
Percentages are calculated excluding unknown.

Birthweight by Age of Mother
West Virginia Resident Births, 2009
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	Unknown	
Less than 1,000 Grams (Less than 2.205 lbs.)	1	3	17	59	39	35	11	3	1	0	169
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	1	5	8	37	43	39	12	5	0	0	150
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	11	35	104	92	80	30	9	1	0	362
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	0	48	130	422	348	207	101	19	1	0	1,276
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	4	193	457	1,445	1,155	687	264	61	19	0	4,285
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	10	350	827	2,585	2,371	1,397	547	114	19	1	8,221
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	6	168	436	1,557	1,570	1,081	432	61	16	1	5,328
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	0	28	88	299	388	295	129	17	3	0	1,247
4,500 or more Grams (9.921 or more lbs.)	0	2	11	43	49	48	30	5	0	0	188
Unknown	0	2	9	13	7	5	9	4	0	0	49
Total	22	810	2,018	6,564	6,062	3,874	1,565	298	60	2	21,275

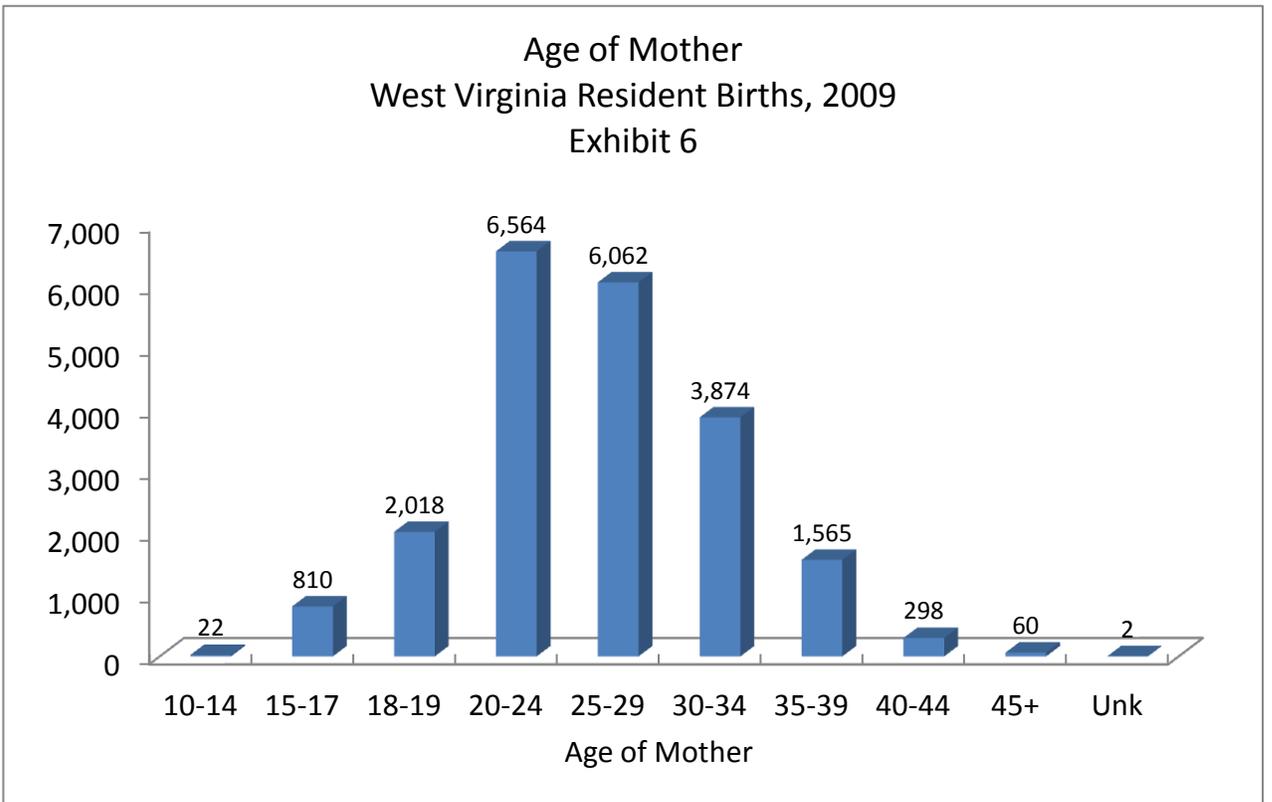
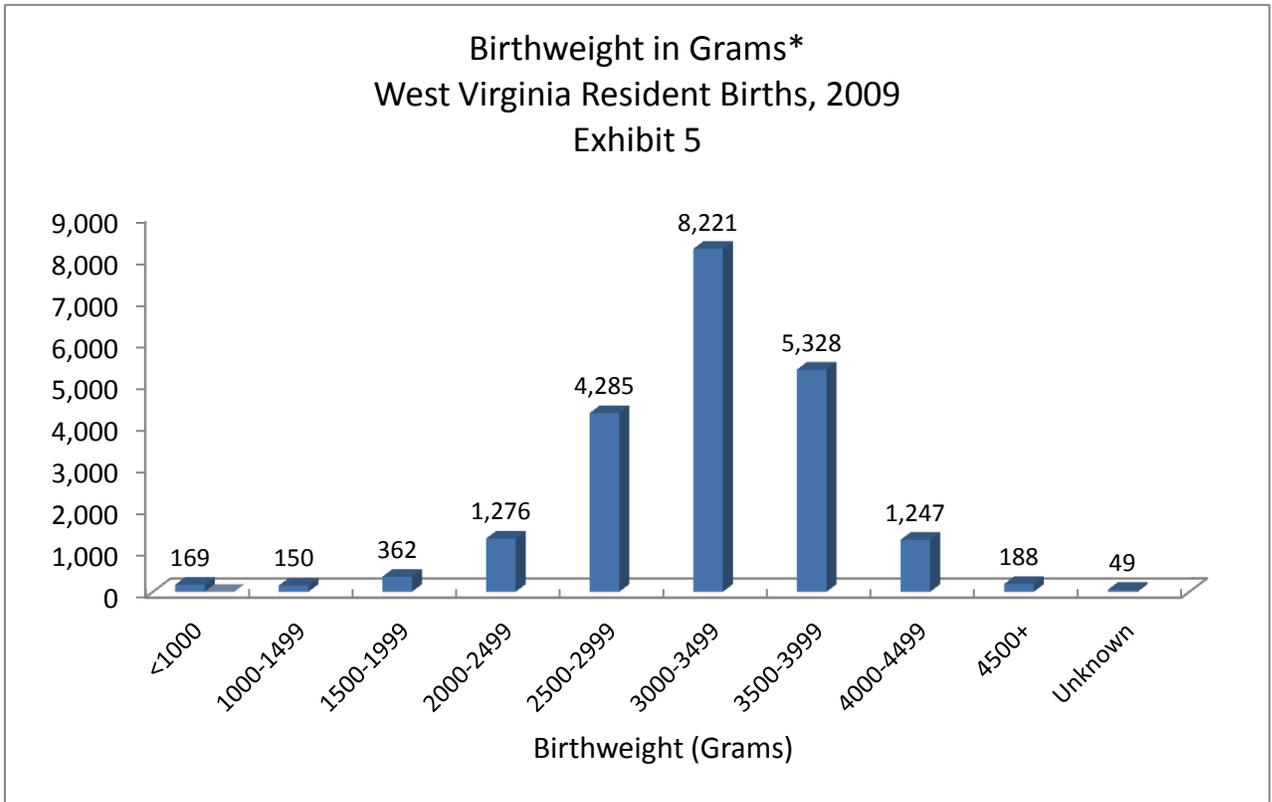
Selected Factors by Birthweight of Infant
West Virginia Resident Births, 2009

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	319	1.5%	1,638	7.7%	19,269	90.8%	49	21,275
Maternal Age								
< 20 Years	35	1.2%	224	7.9%	2,580	90.9%	11	2,850
< 15 Years	2	9.1%	0	0.0%	20	90.9%	0	22
Maternal Race								
White or Caucasian	292	1.4%	1,528	7.6%	18,342	91.0%	19	20,181
Black or African American	24	2.9%	96	11.7%	702	85.4%	2	824
All Other Races	1	0.4%	13	5.6%	219	94.0%	0	233
Unknown	2	22.2%	1	11.1%	6	66.7%	28	37
Entry into Prenatal Care								
First Trimester	241	1.4%	1,235	7.3%	15,483	91.3%	10	16,969
Second Trimester	38	1.3%	252	8.4%	2,720	90.4%	2	3,012
Third Trimester	1	0.2%	43	7.8%	509	92.0%	1	554
No Prenatal Care	23	17.7%	25	19.2%	82	63.1%	0	130
Unknown	16	2.8%	83	14.5%	475	82.8%	36	610
Gestational Age								
< 32 Weeks	281	77.4%	74	20.4%	8	2.2%	3	366
32-36 Weeks	37	1.9%	914	47.3%	983	50.8%	2	1,936
37-38 Weeks	1	0.0%	484	7.8%	5,752	92.2%	3	6,240
39+ Weeks	0	0.0%	165	1.3%	12,509	98.7%	8	12,682
Unknown	0	0.0%	1	5.6%	17	94.4%	33	51
Mother's Education Level								
8 Years or Less	5	1.2%	42	10.0%	372	88.8%	0	419
9-11 Years (No High School Diploma)	50	1.4%	356	9.9%	3,176	88.7%	2	3,584
12 Years (High School or GED)	135	1.7%	661	8.5%	7,017	89.8%	5	7,818
13-15 Years (Some College or Associates Degree)	55	1.2%	301	6.6%	4,176	92.1%	3	4,535
16+ Years (Bachelor's Degree or Higher)	59	1.3%	255	5.5%	4,334	93.2%	5	4,653
Unknown	15	6.5%	23	9.9%	194	83.6%	34	266
Mother's Marital Status								
Married	165	1.4%	823	6.9%	10,981	91.7%	13	11,982
Not Married	154	1.7%	815	8.8%	8,266	89.5%	25	9,260
Unknown	0	0.0%	0	0.0%	22	100.0%	11	33

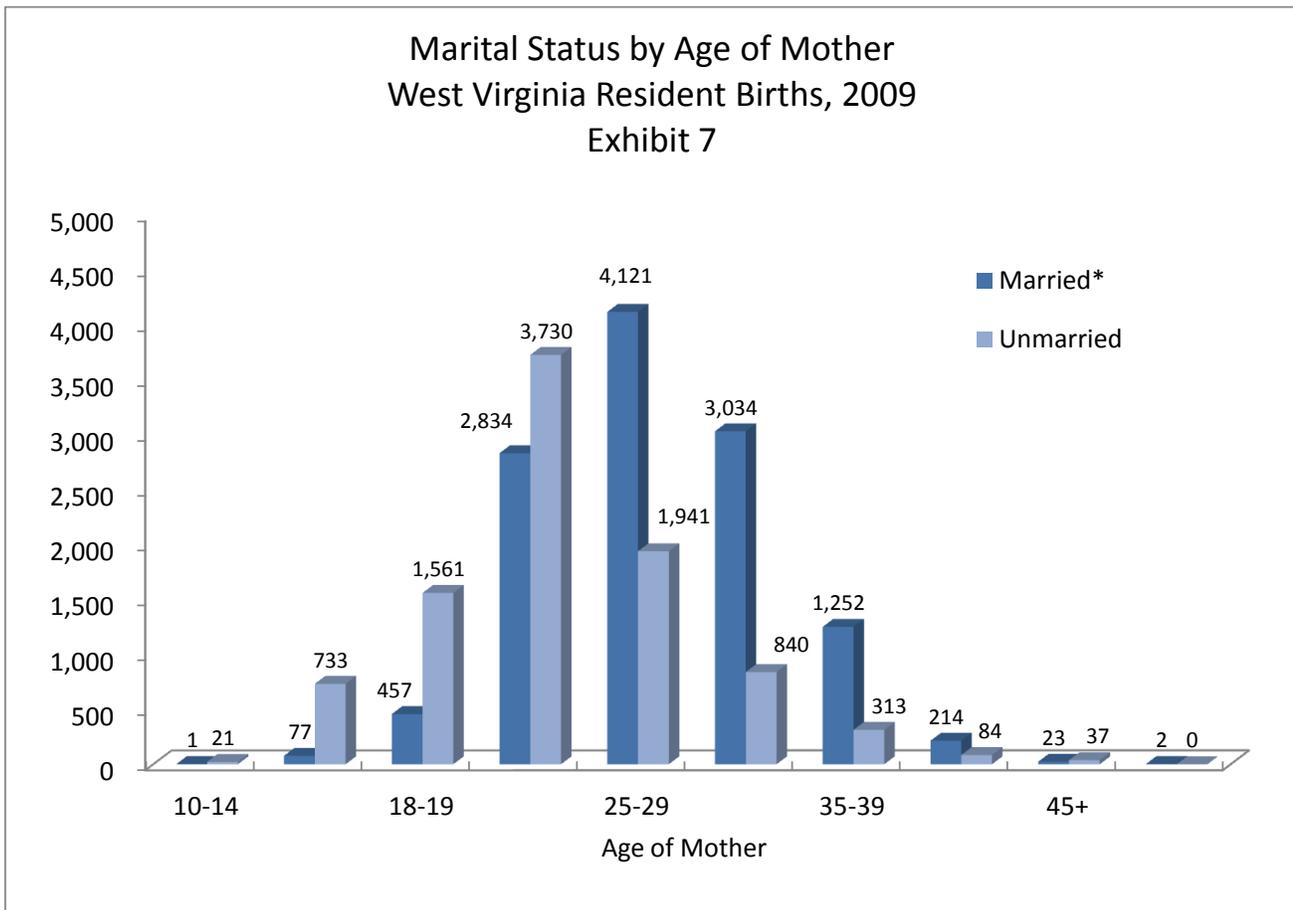
Percentages are calculated excluding unknown birthweight

West Virginia Bureau for Public Health
Health Statistics Center, 2011

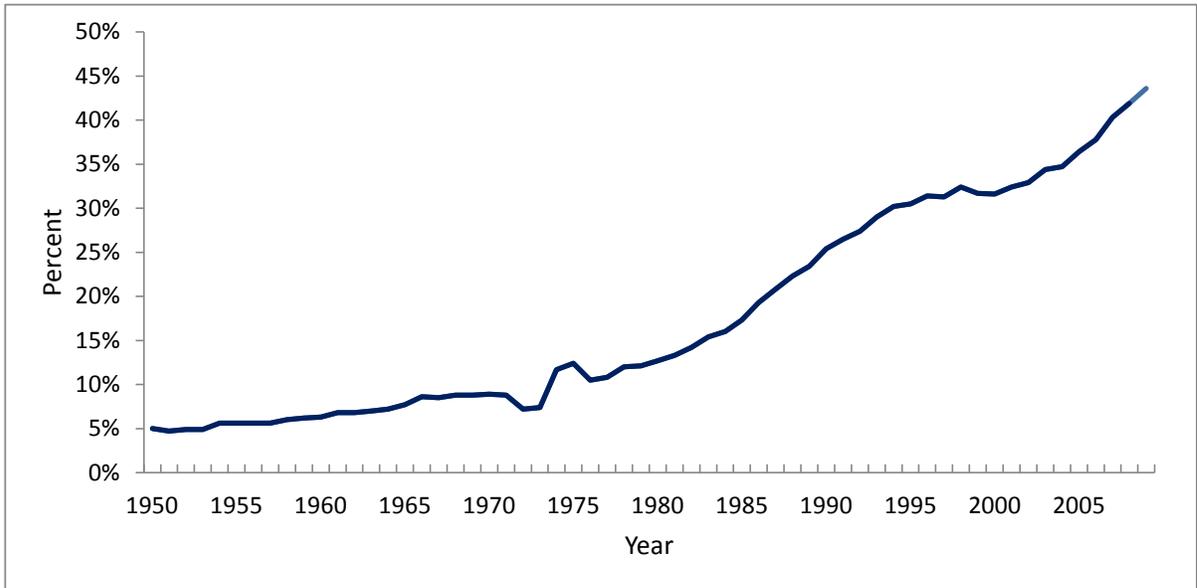


Marital Status by Age of Mother
West Virginia Resident Births, 2005-2009
Table 7

Age of Mother	2005		2006		2007		2008		2009	
	Married*	Un-married								
10-14	0	22	0	19	0	31	0	26	1	21
15-17	105	602	83	656	74	655	79	700	77	733
18-19	462	1,281	488	1,356	452	1,525	465	1,511	457	1,561
20-24	3,318	3,133	3,194	3,178	3,123	3,612	2,931	3,636	2,834	3,730
25-29	4,591	1,567	4,578	1,712	4,679	1,854	4,429	1,934	4,121	1,941
30-34	3,217	661	3,056	631	3,207	785	2,999	811	3,034	840
35-39	1,290	246	1,358	284	1,325	299	1,323	286	1,252	313
40-44	252	77	245	67	278	91	252	82	214	84
45+	6	0	18	7	9	16	13	16	23	37
Unknown	4	0	1	0	1	1	0	0	2	0
WV Total	13,245	7,589	13,021	7,910	13,148	8,869	12,491	9,002	12,015	9,260

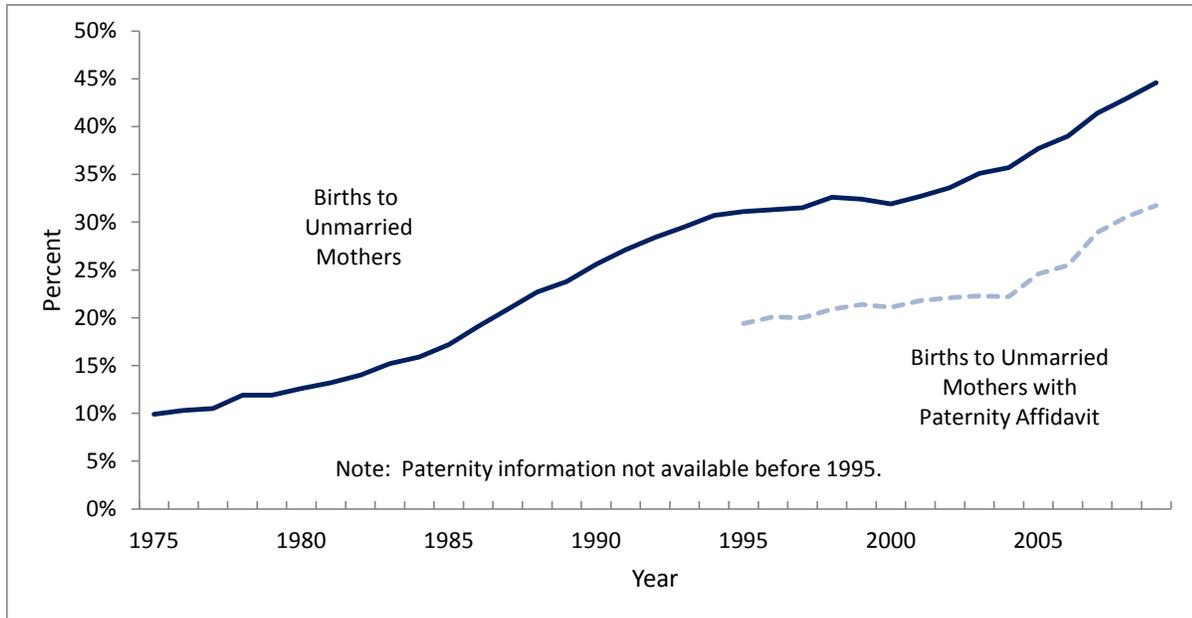


Percent of Births to Unmarried Mothers
West Virginia Residents, 1950-2009
Exhibit 8



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%
2009	9,260	43.6%

Percent of Births to Unmarried Mothers and
Unmarried Mothers with Paternity Affidavit
West Virginia Occurrence Births, 1975-2009
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%
2009	9,485	44.6%	6,755	31.8%

Selected Factors by Race of Mother
West Virginia Resident Births, 2009
Table 8

Factor	White or Caucasian		Black or African American		All Other Races		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Total Births	20,181		824		233		37		21,275
<u>Low Birthweight</u> (< 2,500 Grams)	1,820	9.0%	120	14.6%	14	6.0%	3		1,957	9.2%
<u>Maternal Age</u>										
Mothers < 20 Years	2,685	13.3%	134	16.3%	23	9.9%	8		2,850	13.4%
Mothers < 15 Years	20	0.1%	2	0.2%	0	0.0%	0		22	0.1%
<u>Entry Into Prenatal Care</u>										
First Trimester	16,201	82.5%	580	72.2%	184	80.3%	4		16,969	82.1%
Second Trimester	2,802	14.3%	176	21.9%	34	14.8%	0		3,012	14.6%
Third Trimester	509	2.6%	34	4.2%	11	4.8%	0		554	2.7%
No Prenatal Care	117	0.6%	13	1.6%	0	0.0%	0		130	0.6%
Unknown	552		21		4		33		610	
<u>Gestational Age</u>										
< 32 Weeks	332	1.6%	29	3.5%	3	1.3%	2		366	1.7%
32-36 Weeks	1,835	9.1%	91	11.1%	9	3.9%	1		1,936	9.1%
37-38 Weeks	5,927	29.4%	246	29.9%	66	28.3%	1		6,240	29.4%
39+ Weeks	12,065	59.8%	457	55.5%	155	66.5%	5		12,682	59.8%
Unknown	22		1		0		28		51	
<u>Place of Birth</u>										
Hospital*	20,093	99.6%	820	99.5%	230	98.7%	31		21,174	99.6%
Non-Hospital	74	0.4%	4	0.5%	3	1.3%	0		81	0.4%
Unknown	14		0		0		6		20	

*Includes hospitals, en route to hospital, and birthing centers.
Percentages in each category are calculated as a total for that race excluding unknown

Prenatal Care by Mother's Race, Marital Status, and Education
West Virginia Resident Births, 2009
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	16,969	82.1%	3,012	14.6%	554	2.7%	130	0.6%	610	21,275
<u>Mother's Marital Status</u>										
Married	10,067	86.4%	1,275	10.9%	262	2.2%	45	0.4%	333	11,982
Not Married	6,888	76.5%	1,735	19.3%	292	3.2%	85	0.9%	260	9,260
Unknown	14	87.5%	2	12.5%	0	0.0%	0	0.0%	17	33
<u>Mother's Educational Level</u>										
8 Years or Less	293	72.7%	91	22.6%	16	4.0%	3	0.7%	16	419
9-11 Years (No High School Diploma)	2,565	74.3%	734	21.3%	130	3.8%	24	0.7%	131	3,584
12 Years (High School or GED)	6,116	80.8%	1,199	15.8%	188	2.5%	63	0.8%	252	7,818
13-15 Years (Some College or Associates Degree)	3,755	84.4%	550	12.4%	127	2.9%	18	0.4%	85	4,535
16+ Years (Bachelor's Degree or Higher)	4,116	89.9%	379	8.3%	80	1.7%	4	0.1%	74	4,653
Unknown	124	57.9%	59	27.6%	13	6.1%	18	8.4%	52	266
Mother's Race: White or Caucasian	16,201	82.5%	2,802	14.3%	509	2.6%	117	0.6%	552	20,181
<u>Mother's Marital Status</u>										
Married	9,783	86.5%	1,233	10.9%	249	2.2%	43	0.4%	324	11,632
Not Married	6,404	77.1%	1,567	18.9%	260	3.1%	74	0.9%	221	8,526
Unknown	14	87.5%	2	12.5%	0	0.0%	0	0.0%	7	23
<u>Mother's Educational Level</u>										
8 Years or Less	284	73.0%	86	22.1%	16	4.1%	3	0.8%	15	404
9-11 Years (No High School Diploma)	2,458	75.0%	680	20.7%	117	3.6%	24	0.7%	125	3,404
12 Years (High School or GED)	5,827	81.2%	1,124	15.7%	171	2.4%	55	0.8%	244	7,421
13-15 Years (Some College or Associates Degree)	3,580	84.9%	506	12.0%	118	2.8%	15	0.4%	78	4,297
16+ Years (Bachelor's Degree or Higher)	3,937	90.2%	351	8.0%	74	1.7%	4	0.1%	70	4,436
Unknown	115	57.8%	55	27.6%	13	6.5%	16	8.0%	20	219

Percentages are calculated excluding unknown.

Prenatal Care by Mother's Race, Marital Status, and Education
West Virginia Resident Births, 2009
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	Number	Percent	
Mother's Race: Black or African American	580	72.2%	176	21.9%	34	4.2%	13	1.6%	21	1.6%	824
<u>Mother's Marital Status</u>											
Married	151	84.8%	21	11.8%	4	2.2%	2	1.1%	3	1.1%	181
Not Married	429	68.6%	155	24.8%	30	4.8%	11	1.8%	18	1.8%	643
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
<u>Mother's Educational Level</u>											
8 Years or Less	7	87.5%	1	12.5%	0	0.0%	0	0.0%	1	0.0%	9
9-11 Years (No High School Diploma)	94	59.9%	51	32.5%	12	7.6%	0	0.0%	6	0.0%	163
12 Years (High School or GED)	233	72.1%	69	21.4%	13	4.0%	8	2.5%	7	2.5%	330
13-15 Years (Some College or Associates Degree)	140	75.3%	36	19.4%	7	3.8%	3	1.6%	5	1.6%	191
16+ Years (Bachelor's Degree or Higher)	99	85.3%	15	12.9%	2	1.7%	0	0.0%	2	0.0%	118
Unknown	7	53.8%	4	30.8%	0	0.0%	2	15.4%	0	0.0%	13
Mother's Race: All Other Races	184	80.3%	34	14.8%	11	4.8%	0	0.0%	4	0.0%	233
<u>Mother's Marital Status</u>											
Married	130	81.3%	21	13.1%	9	5.6%	0	0.0%	2	0.0%	162
Not Married	54	78.3%	13	18.8%	2	2.9%	0	0.0%	2	0.0%	71
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
<u>Mother's Educational Level</u>											
8 Years or Less	2	33.3%	4	66.7%	0	0.0%	0	0.0%	0	0.0%	6
9-11 Years (No High School Diploma)	11	73.3%	3	20.0%	1	6.7%	0	0.0%	0	0.0%	15
12 Years (High School or GED)	55	84.6%	6	9.2%	4	6.2%	0	0.0%	1	0.0%	66
13-15 Years (Some College or Associates Degree)	34	77.3%	8	18.2%	2	4.5%	0	0.0%	2	0.0%	46
16+ Years (Bachelor's Degree or Higher)	80	82.5%	13	13.4%	4	4.1%	0	0.0%	1	0.0%	98
Unknown	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2

Percentages are calculated excluding unknown.

Births by Method of Delivery
Number and Percent by Facility of Occurrence
West Virginia, 2009
Table 10

Hospital	Method of Delivery												Un- known	
	Total		Vaginal		Vaginal after Cesarean Section		Total		Primary		Repeat			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Bluefield Regional Medical Center	706		470	66.6%	2	0.3%	234	33.1%	121	17.1%	113	16.0%	0	
C.A.M.C. - Women & Children's Hospital	3,028		1,727	57.0%	3	0.1%	1,298	42.9%	762	25.2%	536	17.7%	0	
Cabell-Huntington Hospital	2,454		1,480	60.3%	5	0.2%	969	39.5%	559	22.8%	410	16.7%	0	
Camden-Clark Memorial Hospital	1,378		903	65.5%	3	0.2%	472	34.3%	310	22.5%	162	11.8%	0	
City Hospital	948		701	73.9%	3	0.3%	244	25.7%	116	12.2%	128	13.5%	0	
Davis Memorial Hospital	370		253	68.4%	0	0.0%	117	31.6%	62	16.8%	55	14.9%	0	
Fairmont General Hospital	366		259	70.8%	5	1.4%	102	27.9%	46	12.6%	56	15.3%	0	
Grafton City Hospital	1		1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	
Grant Memorial Hospital	260		140	53.8%	1	0.4%	119	45.8%	76	29.2%	43	16.5%	0	
Greenbrier Valley Hospital	563		456	81.0%	6	1.1%	101	17.9%	46	8.2%	55	9.8%	0	
Jefferson Memorial Hospital	283		200	70.7%	3	1.1%	80	28.3%	49	17.3%	31	11.0%	0	
Logan Regional Medical Center	370		187	50.5%	6	1.6%	177	47.8%	103	27.8%	74	20.0%	0	
Monongalia General Hospital	808		594	73.5%	0	0.0%	214	26.5%	207	25.6%	7	0.9%	0	
Morgan County War Memorial Hospital	1		1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	
Ohio Valley Medical Center	317		218	68.8%	9	2.8%	90	28.4%	47	14.8%	43	13.6%	0	
Pleasant Valley Hospital	199		91	45.7%	1	0.5%	107	53.8%	60	30.2%	47	23.6%	0	
Preston Memorial Hospital	115		82	71.3%	1	0.9%	32	27.8%	15	13.0%	17	14.8%	0	
Princeton Community Hospital	688		432	62.8%	6	0.9%	250	36.3%	158	23.0%	92	13.4%	0	
Raleigh General Hospital	1,553		1,076	70.0%	5	0.3%	457	29.7%	257	16.7%	200	13.0%	15	
Reynolds Memorial Hospital	161		101	62.7%	0	0.0%	60	37.3%	35	21.7%	25	15.5%	0	
Roane General Hospital	47		33	70.2%	0	0.0%	14	29.8%	7	14.9%	7	14.9%	0	
St. Joseph's Hospital (Buckhannon)	310		270	87.1%	3	1.0%	37	11.9%	18	5.8%	19	6.1%	0	
St. Joseph's Hospital (Parkersburg)	323		183	56.7%	6	1.9%	134	41.5%	89	27.6%	45	13.9%	0	
St. Mary's Medical Center	468		313	66.9%	4	0.9%	151	32.3%	95	20.3%	56	12.0%	0	
Sistersville General Hospital	1		1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	
Stonewall Jackson Memorial Hospital	327		205	62.7%	3	0.9%	119	36.4%	72	22.0%	47	14.4%	0	
Summersville Memorial Hospital	340		219	64.4%	3	0.9%	118	34.7%	67	19.7%	51	15.0%	0	
Thomas Memorial Hospital	878		379	43.2%	0	0.0%	499	56.8%	276	31.4%	223	25.4%	0	
United Hospital Center	943		567	60.1%	16	1.7%	360	38.2%	189	20.0%	171	18.1%	0	
WVU Hospitals, Inc.	1,388		819	59.0%	26	1.9%	543	39.1%	371	26.7%	172	12.4%	0	
Webster County Memorial Hospital	1		1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	
Weirton Medical Center	394		241	61.2%	0	0.0%	153	38.8%	82	20.8%	71	18.0%	0	
Welch Community Hospital	60		41	68.3%	1	1.7%	18	30.0%	9	15.0%	9	15.0%	0	
Wheeling Hospital	1,059		663	62.6%	4	0.4%	392	37.0%	228	21.5%	164	15.5%	0	
Williamson Memorial Hospital	66		15	22.7%	0	0.0%	51	77.3%	29	43.9%	22	33.3%	0	
WomenCare, Inc.	24		24	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	
---- Non-Hospital	101		95	95.0%	3	3.0%	2	2.0%	2	2.0%	0	0.0%	1	
West Virginia Total Occurrences	21,299		13,441	63.2%	128	0.6%	7,714	36.2%	4,563	21.4%	3,151	14.8%	16	

Percentages are calculated excluding unknown.

Full-Term Births (39 or More Weeks Gestation) by Method of Delivery
 Number and Percent by Facility of Occurrence
 West Virginia, 2009
 Table 11

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	Number	Percent	
Bluefield Regional Medical Center	256		176	68.8%	1	0.4%	79	30.9%	41	16.0%	38	14.8%	0
C.A.M.C. - Women & Children's Hospital	1,616		996	61.6%	2	0.1%	618	38.2%	353	21.8%	265	16.4%	0
Cabell-Huntington Hospital	1,260		820	65.1%	3	0.2%	437	34.7%	243	19.3%	194	15.4%	0
Camden-Clark Memorial Hospital	661		425	64.3%	2	0.3%	234	35.4%	157	23.8%	77	11.6%	0
City Hospital	642		499	77.7%	0	0.0%	143	22.3%	73	11.4%	70	10.9%	0
Davis Memorial Hospital	267		188	70.4%	0	0.0%	79	29.6%	48	18.0%	31	11.6%	0
Fairmont General Hospital	250		171	68.4%	3	1.2%	76	30.4%	35	14.0%	41	16.4%	0
Grafton City Hospital	0		0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Grant Memorial Hospital	206		122	59.2%	1	0.5%	83	40.3%	52	25.2%	31	15.0%	0
Greenbrier Valley Hospital	396		318	80.3%	4	1.0%	74	18.7%	27	6.8%	47	11.9%	0
Jefferson Memorial Hospital	185		143	77.3%	2	1.1%	40	21.6%	28	15.1%	12	6.5%	0
Logan Regional Medical Center	185		109	58.9%	1	0.5%	75	40.5%	53	28.6%	22	11.9%	0
Monongalia General Hospital	628		468	74.5%	0	0.0%	160	25.5%	156	24.8%	4	0.6%	0
Morgan County War Memorial Hospital	1		1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Ohio Valley Medical Center	183		127	69.4%	5	2.7%	51	27.9%	25	13.7%	26	14.2%	0
Pleasant Valley Hospital	96		52	54.2%	0	0.0%	44	45.8%	37	38.5%	7	7.3%	0
Preston Memorial Hospital	91		66	72.5%	0	0.0%	25	27.5%	13	14.3%	12	13.2%	0
Princeton Community Hospital	353		230	65.2%	4	1.1%	119	33.7%	69	19.5%	50	14.2%	0
Raleigh General Hospital	1,087		758	70.6%	4	0.4%	312	29.1%	171	15.9%	141	13.1%	13
Reynolds Memorial Hospital	71		44	62.0%	0	0.0%	27	38.0%	21	29.6%	6	8.5%	0
Roane General Hospital	32		24	75.0%	0	0.0%	8	25.0%	5	15.6%	3	9.4%	0
St. Joseph's Hospital (Buckhannon)	252		218	86.5%	2	0.8%	32	12.7%	14	5.6%	18	7.1%	0
St. Joseph's Hospital (Parkersburg)	200		121	60.5%	5	2.5%	74	37.0%	43	21.5%	31	15.5%	0
St. Mary's Medical Center	295		207	70.2%	3	1.0%	85	28.8%	52	17.6%	33	11.2%	0
Sistersville General Hospital	0		0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Stonewall Jackson Memorial Hospital	190		131	68.9%	3	1.6%	56	29.5%	40	21.1%	16	8.4%	0
Summersville Memorial Hospital	170		113	66.5%	2	1.2%	55	32.4%	31	18.2%	24	14.1%	0
Thomas Memorial Hospital	504		219	43.5%	0	0.0%	285	56.5%	154	30.6%	131	26.0%	0
United Hospital Center	711		443	62.3%	15	2.1%	253	35.6%	136	19.1%	117	16.5%	0
WVU Hospitals, Inc.	740		488	65.9%	16	2.2%	236	31.9%	152	20.5%	84	11.4%	0
Webster County Memorial Hospital	1		1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	233		149	63.9%	0	0.0%	84	36.1%	48	20.6%	36	15.5%	0
Weirton Community Hospital	44		30	68.2%	1	2.3%	13	29.5%	8	18.2%	5	11.4%	0
Wheeling Hospital	624		379	60.7%	2	0.3%	243	38.9%	139	22.3%	104	16.7%	0
Williamson Memorial Hospital	37		8	21.6%	0	0.0%	29	78.4%	18	48.6%	11	29.7%	0
WomenCare, Inc.	23		23	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
----- Non-Hospital	73		69	94.5%	2	2.7%	2	2.7%	2	2.7%	0	0.0%	0
West Virginia Total Occurrences	12,563		8,336	66.4%	83	0.7%	4,131	32.9%	2,444	19.5%	1,687	13.4%	13

Percentages are calculated excluding unknown.

**Labor-Induced Births by Method of Delivery
Number and Percent by Facility of Occurrence
West Virginia, 2009
Table 12**

Hospital	Method of Delivery												Un-known
	Total	Vaginal		Vaginal after		Total		Primary		Repeat		Un-known	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Bluefield Regional Medical Center	339	285	84.1%	0	0.0%	54	15.9%	53	15.6%	1	0.3%	0	0
C.A.M.C. - Women & Children's Hospital	1,031	777	75.4%	3	0.3%	251	24.3%	249	24.2%	2	0.2%	0	0
Cabell-Huntington Hospital	1,123	827	73.6%	1	0.1%	295	26.3%	236	21.0%	59	5.3%	0	0
Camden-Clark Memorial Hospital	436	372	85.3%	1	0.2%	63	14.4%	61	14.0%	2	0.5%	0	0
City Hospital	91	76	83.5%	0	0.0%	15	16.5%	13	14.3%	2	2.2%	0	0
Davis Memorial Hospital	78	62	79.5%	0	0.0%	16	20.5%	16	20.5%	0	0.0%	0	0
Fairmont General Hospital	120	108	90.0%	0	0.0%	12	10.0%	11	9.2%	1	0.8%	0	0
Grafton City Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
Grant Memorial Hospital	111	81	73.0%	0	0.0%	30	27.0%	29	26.1%	1	0.9%	0	0
Greenbrier Valley Hospital	233	216	92.7%	3	1.3%	14	6.0%	14	6.0%	0	0.0%	0	0
Jefferson Memorial Hospital	85	66	77.6%	0	0.0%	19	22.4%	18	21.2%	1	1.2%	0	0
Logan Regional Medical Center	82	51	62.2%	1	1.2%	30	36.6%	28	34.1%	2	2.4%	0	0
Monongalia General Hospital	49	46	93.9%	0	0.0%	3	6.1%	3	6.1%	0	0.0%	0	0
Morgan County War Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
Ohio Valley Medical Center	141	119	84.4%	1	0.7%	21	14.9%	19	13.5%	2	1.4%	0	0
Pleasant Valley Hospital	73	48	65.8%	0	0.0%	25	34.2%	24	32.9%	1	1.4%	0	0
Preston Memorial Hospital	44	31	70.5%	0	0.0%	13	29.5%	13	29.5%	0	0.0%	0	0
Princeton Community Hospital	317	239	75.4%	3	0.9%	75	23.7%	72	22.7%	3	0.9%	0	0
Raleigh General Hospital	425	330	78.8%	1	0.2%	88	21.0%	86	20.5%	2	0.5%	6	0
Reynolds Memorial Hospital	61	43	70.5%	0	0.0%	18	29.5%	18	29.5%	0	0.0%	0	0
Roane General Hospital	7	5	71.4%	0	0.0%	2	28.6%	2	28.6%	0	0.0%	0	0
St. Joseph's Hospital (Buckhannon)	30	23	76.7%	1	3.3%	6	20.0%	6	20.0%	0	0.0%	0	0
St. Joseph's Hospital (Parkersburg)	89	62	69.7%	2	2.2%	25	28.1%	24	27.0%	1	1.1%	0	0
St. Mary's Medical Center	237	197	83.1%	0	0.0%	40	16.9%	39	16.5%	1	0.4%	0	0
Sistersville General Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
Stonewall Jackson Memorial Hospital	72	48	66.7%	0	0.0%	24	33.3%	23	31.9%	1	1.4%	0	0
Summersville Memorial Hospital	125	105	84.0%	2	1.6%	18	14.4%	16	12.8%	2	1.6%	0	0
Thomas Memorial Hospital	327	218	66.7%	0	0.0%	109	33.3%	108	33.0%	1	0.3%	0	0
United Hospital Center	432	317	73.4%	9	2.1%	106	24.5%	100	23.1%	6	1.4%	0	0
WVU Hospitals, Inc.	326	215	66.0%	7	2.1%	104	31.9%	98	30.1%	6	1.8%	0	0
Webster County Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
Weirton Medical Center	143	117	81.8%	0	0.0%	26	18.2%	26	18.2%	0	0.0%	0	0
Welch Community Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
Wheeling Hospital	541	431	79.7%	1	0.2%	109	20.1%	102	18.9%	7	1.3%	0	0
Williamson Memorial Hospital	0	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	0
----- Non-Hospital	4	3	75.0%	0	0.0%	1	25.0%	1	25.0%	0	0.0%	0	0
West Virginia Total Occurrences	7,173	5,519	77.0%	36	0.5%	1,612	22.5%	1,508	21.0%	104	1.5%	6	0

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health
Health Statistics Center, 2011

Mother's Marital Status and Method of Paternity Establishment
 Unmarried Mothers by Hospital of Birth
 West Virginia Occurrences, 2009

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	706	346	360	51.0%	228	63.3%	45	88
C.A.M.C. - Women & Children's Hospital	3,028	1,799	1,229	40.6%	873	71.0%	154	203
Cabell-Huntington Hospital	2,454	1,367	1,087	44.3%	731	67.2%	97	262
Camden-Clark Memorial Hospital	1,378	703	675	49.0%	503	74.5%	78	95
City Hospital	948	402	546	57.6%	411	75.3%	33	104
Davis Memorial Hospital	370	194	176	47.6%	142	80.7%	13	21
Fairmont General Hospital	366	175	191	52.2%	143	74.9%	20	31
Grafton City Hospital	1	0	1	100.0%	0	0.0%	0	1
Grant Memorial Hospital	260	122	138	53.1%	108	78.3%	5	26
Greenbrier Valley Hospital	563	291	272	48.3%	199	73.2%	25	48
Jefferson Memorial Hospital	283	109	174	61.5%	121	69.5%	15	38
Logan Regional Medical Center	370	193	177	47.8%	107	60.5%	35	39
Monongalia General Hospital	808	560	248	30.7%	179	72.2%	21	48
Morgan County War Memorial Hospital	1	1	0	0.0%	0	0.0%	0	0
Ohio Valley Medical Center	317	153	164	51.7%	119	72.6%	17	28
Pleasant Valley Hospital	199	98	101	50.8%	63	62.4%	17	21
Preston Memorial Hospital	115	56	59	51.3%	43	72.9%	6	11
Princeton Community Hospital	688	419	269	39.1%	195	72.5%	21	53
Raleigh General Hospital	1,553	852	701	45.1%	453	64.6%	85	163
Reynolds Memorial Hospital	161	58	103	64.0%	76	73.8%	14	13
Roane General Hospital	47	22	25	53.2%	15	60.0%	6	4
St. Joseph's Hospital (Buckhannon)	310	192	118	38.1%	77	65.3%	9	33
St. Joseph's Hospital (Parkersburg)	323	222	101	31.3%	75	74.3%	9	17
St. Mary's Medical Center	468	317	151	32.3%	112	74.2%	11	28
Sistersville General Hospital	1	0	1	100.0%	0	0.0%	1	0
Stonewall Jackson Memorial Hospital	327	149	178	54.4%	127	71.3%	28	23
Summersville Memorial Hospital	340	174	166	48.8%	106	63.9%	21	41
Thomas Memorial Hospital	878	455	423	48.2%	325	76.8%	50	50
United Hospital Center	943	524	419	44.4%	335	80.0%	39	46
WVU Hospitals, Inc.	1,388	926	462	33.3%	334	72.3%	35	96
Webster County Memorial Hospital	1	1	0	0.0%	0	0.0%	0	0
Weirton Medical Center	394	207	187	47.5%	137	73.3%	17	33
Welch Community Hospital	60	26	34	56.7%	21	61.8%	7	6
Wheeling Hospital	1,059	578	481	45.4%	364	75.7%	32	85
Williamson Memorial Hospital	66	34	32	48.5%	15	46.9%	6	11
WomenCare, Inc.	24	19	5	20.8%	2	40.0%	0	3
----- Non-Hospital	101	70	31	30.7%	16	51.6%	6	9
WV Total Occurrences	21,299	11,814	9,485	44.5%	6,755	71.2%	978	1,778

Out-of-State Occurrences
West Virginia Resident Births, 2005-2009

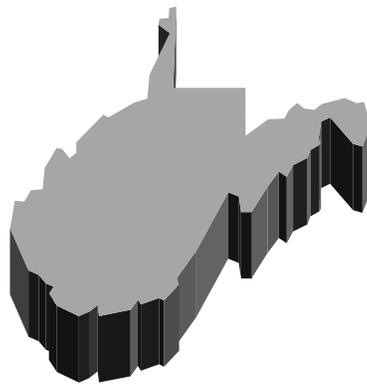
Table 14

State	2005 Births	2006 Births	2007 Births	2008 Births	2009 Births
Virginia	1,035	1,039	1,182	1,135	1,044
Maryland	596	569	678	659	680
Ohio	376	351	403	387	343
Kentucky	215	190	160	199	217
Pennsylvania	123	134	106	119	114
North Carolina	5	7	4	2	1
District of Columbia	2	5	2	6	4
Florida	4	6	2	2	4
New Jersey	1	0	2	5	0
South Carolina	0	5	3	1	0
Tennessee	0	0	2	5	5
All Other States	41	33	31	19	26
Total	2,398	2,339	2,575	2,539	2,438

Out-of-State Resident Births Born in West Virginia
West Virginia Occurrence Births, 2005-2009

Table 15

State	2005 Births	2006 Births	2007 Births	2008 Births	2009 Births
Ohio	1,670	1,544	1,606	1,600	1,547
Virginia	339	352	277	317	325
Kentucky	296	253	266	225	222
Pennsylvania	284	278	234	249	260
Maryland	83	78	62	58	68
North Carolina	8	9	7	8	6
Florida	8	4	5	4	2
New York	3	4	1	4	4
South Carolina	2	5	0	2	2
Tennessee	3	2	3	1	2
All Other States	18	16	14	21	24
Total	2,714	2,545	2,475	2,489	2,462



West Virginia Vital Statistics
Deaths

Death Summary

The number of West Virginia resident deaths decreased by 166, from 21,551 in 2008 to 21,385 in 2009. The state's crude death rate dropped from 2008 at 11.9 per 1,000 population to 11.8 in 2009. The average age at death for West Virginians was 72.1 (68.7 for men and 75.5 for women), slightly lower than the 2008 average of 72.5 (69.0 for men and 75.9 for women). One hundred and thirty-three West Virginia residents who died in 2009 were age 100 or older. The oldest man was 107 years old while the oldest woman was 108 years old at the time of death.

Heart disease, cancer, and chronic lower respiratory diseases, the three leading causes of death, accounted for 53.3% of West Virginia resident deaths in 2009. Compared with 2008, the number of state deaths due to heart disease decreased by 212 or 4.0% while cancer deaths increased 3.2%. Chronic lower respiratory disease, the third leading cause, decreased 5.2%; stroke mortality, now the fifth leading cause, increased 4.4%. Diabetes mellitus deaths increased by 15 or 2.0%, while the number of reported deaths due to pneumonia and influenza decreased by four or 1.0%. Dementia, now the seventh leading cause of death in the Mountain State, decreased by 17 (2.3%), while Alzheimer's disease decreased 15.7%. Accidental deaths were the fourth leading cause of death for the third year in a row. The number of accidental deaths dropped by 45 (3.8%), from 1,195 in 2008 to 1,150 in 2009. Motor vehicle accident deaths decreased by 12 or 3.2%, from 380 in 2008 to 368 in 2009. Accidental poisoning deaths was on the rise in West Virginia for five of the previous seven years but decreased by 50 (11.3%) from 444 in 2008 to 394 in 2009. Accidental poisoning accounted for nearly one-fourth (24.9%) 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 39.3% of all deaths for this age group in 2009. West Virginia's 2009 motor vehicle fatalities included three children under five years of age, two fewer than 2008.

Suicides increased by four, from 284 to 288 between 2008 and 2009. Male suicides increased by 12 or 5.4 %, from 223 in 2008 to 235 in 2009; the number of female suicides (53) decreased by eight or 13.1% from 2008. Nearly two-thirds (66.0%) of all suicide deaths were firearm related — 71.9% of male suicides and 39.6% of female suicides. The average age of death for a suicide victim in 2009 was 46.7 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 12 in 2009, three more than 2008 at nine.

Homicides increased by 22, from 77 in 2008 to 99 in 2009. Seventy-one (71) of the homicide victims were male, 28 were female. The average age at death for a homicide victim in 2009 was 40.7 years. There were two homicide victims under the age of five in 2009, compared with seven in 2008. Over one-half (57.6%) of 2009 homicide deaths were due to firearms.

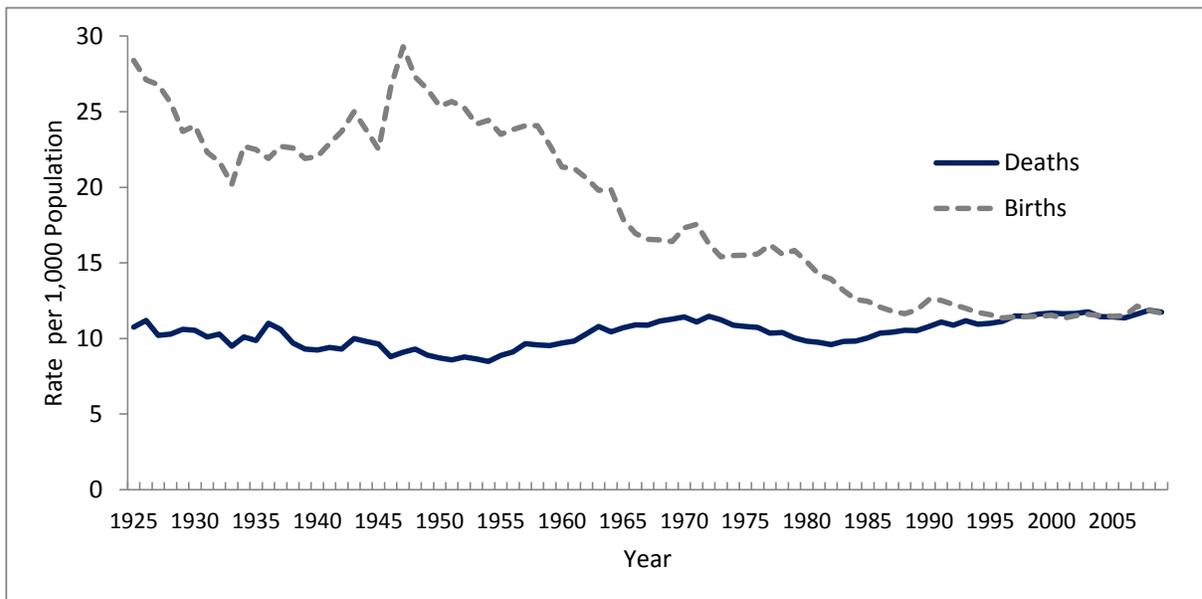
The statistics presented in this publication refer to resident data unless otherwise indicated. A resident death is determined by where the decedent last lived at the time of death. An occurrence death is determined by where the decedent died. If a person lived in West Virginia but died in Pennsylvania, 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 Pennsylvania 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 39 would therefore contribute 36 years to the total YPLL ($75-39=36$). YPLL is an important tool in emphasizing and evaluating causes of premature death.

The YPLL from all causes increased 2.7%, from 170,033 YPLL in 2008 to 174,632 in 2009. The four leading causes of YPLL in 2009 were malignant neoplasms (37,441 YPLL), diseases of the heart (24,859 YPLL), non-motor vehicle accidents (17,921 YPLL), and motor vehicle accidents (12,059 YPLL). Combined, these four causes accounted for over half (52.8%) of all years of potential life lost in 2009. In comparison to 2008, YPLL attributable to malignant neoplasms increased from 21.3% to 21.4%. YPLL due to diseases of the heart decreased from 14.3% to 14.2% of the total, YPLL due to non-motor vehicle accidents decreased from 12.1% to 10.3%, and the percentage of total YPLL due to motor vehicle crashes also decreased, from 7.1% to 6.9%.

Number and Rate of Resident Deaths (Compared to Births)
West Virginia, 1925-2009
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
2009	21,385	11.8	21,275	11.7

Summary Totals
West Virginia Resident Deaths, 2009
Table 16

Characteristic	Number	Percent	Characteristic	Number	Percent
<u>Total</u>			<u>Gender</u>		
Residence Occurrence	21,385	100.0%	Male	10,744	50.2%
	21,025		Female	10,641	49.8%
<u>Place Death Occurred</u>			<u>Race</u>		
Hospital	9,587	44.9%	White or Caucasian*	20,683	96.7%
Home	5,690	26.6%	Black or African American	644	3.0%
Licensed Personal Care or Nursing Home	3,133	14.7%	All Other Races	58	0.3%
Unlicensed Personal Care or Nursing Home	290	1.4%	<u>Disposition of Death</u>		
Clinic or Center	31	0.1%	Burial	14,816	72.2%
En Route to Hospital	4	0.0%	Cremation	4,355	21.2%
Other	2,640	12.4%	Removal from State	388	1.9%
Unknown	10		Donation	303	1.5%
			Other	665	3.2%
			Unknown	858	
<u>Age at Death</u>			<u>Leading Causes of Death</u>		
Less than One Year of Age	167	0.8%	Diseases of the Heart	5,097	23.8%
One to Four Years	29	0.1%	Malignant Neoplasms	4,792	22.4%
Five to Fourteen Years	37	0.2%	Chronic Lower Respiratory Disease	1,519	7.1%
Fifteen to Nineteen Years	79	0.4%	Accidents, All Forms	1,150	5.4%
Twenty to Twenty-Four Years	132	0.6%	Cerebrovascular Disease	1,093	5.1%
Twenty-Five to Thirty-Four Years	393	1.8%	Diabetes Mellitus	757	3.5%
Thirty-Five to Forty-Four Years	677	3.2%	Dementia	735	3.4%
Forty-Five to Fifty-Four Years	1,638	7.7%	Alzheimer's Disease	558	2.6%
Fifty-Five to Sixty-Four Years	2,831	13.2%	Nephritis, Nephrotic Syndrome, and Nephrosis	476	2.2%
Sixty-Five to Seventy-Four Years	3,998	18.7%	Influenza and Pneumonia	401	1.9%
Seventy-Five to Eighty-Four Years	5,710	26.7%	All Other Causes (Residual)	4,807	22.5%
Eighty-Five Years and Older	5,694	26.6%			

* Includes two deaths due to an unknown race.

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Out-of-State Occurrences
West Virginia Resident Deaths, 2005-2009

Table 17

State of Occurrence	2005 Deaths	2006 Deaths	2007 Deaths	2008 Deaths	2009 Deaths
Ohio	516	547	562	574	566
Virginia	509	507	570	570	540
Maryland	291	255	292	268	286
Pennsylvania	190	189	191	178	194
Kentucky	167	161	148	140	148
North Carolina	51	50	55	45	58
Florida	47	37	45	42	47
Tennessee	15	25	20	30	17
District of Columbia	20	13	13	17	14
South Carolina	11	11	12	8	20
All Other States/Countries	66	64	62	61	71
Total	1,883	1,859	1,970	1,933	1,961

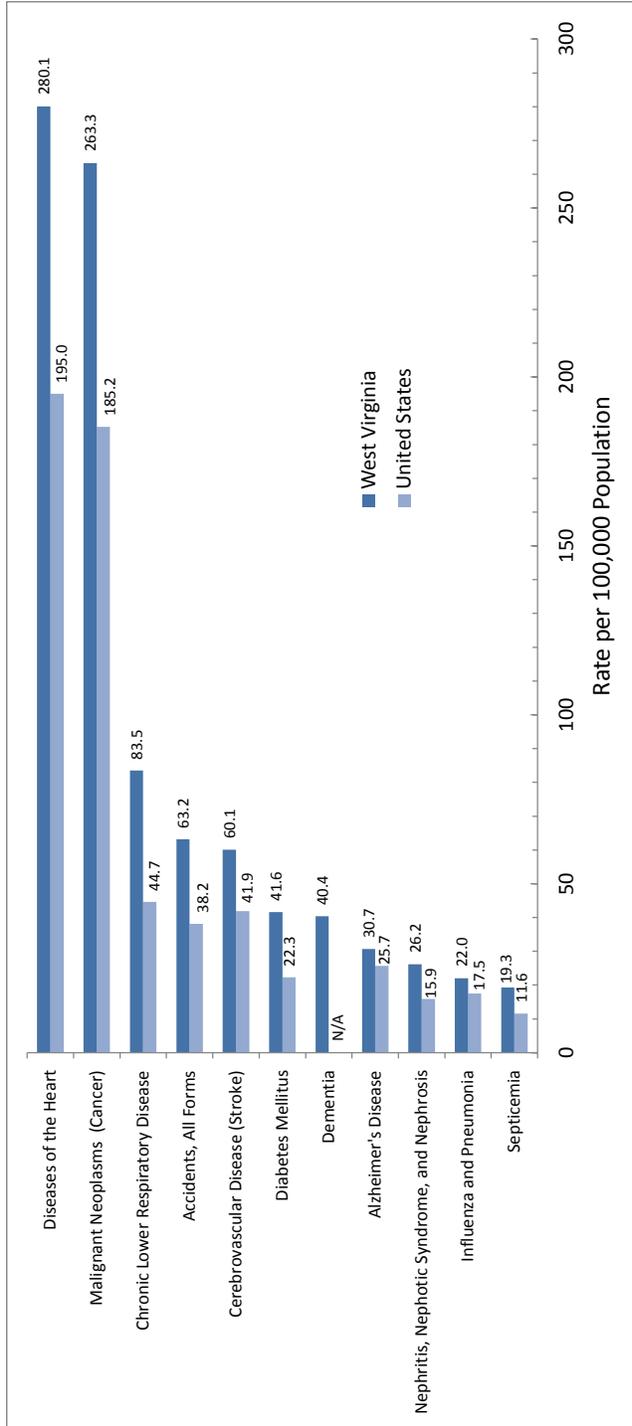
Deaths to Out-of-State Residents
West Virginia Occurrence Deaths, 2005-2009

Table 18

State of Residence	2005 Deaths	2006 Deaths	2007 Deaths	2008 Deaths	2009 Deaths
Ohio	790	751	752	777	780
Virginia	217	195	204	188	196
Pennsylvania	200	204	175	198	174
Kentucky	166	177	170	187	193
Maryland	140	136	143	134	108
Florida	26	23	20	29	28
North Carolina	24	14	20	10	22
New York	3	6	9	9	9
Michigan	2	6	8	9	10
South Carolina	7	7	10	6	5
All Other States/Countries	58	62	59	56	76
Total	1,633	1,581	1,570	1,603	1,601

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2009 West Virginia and United States Resident Deaths
Leading Causes of Death
Exhibit 11



Leading Cause of Death	West Virginia			United States*		
	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	5,097	280.1	23.8%	598,607	195.0	24.6%
Malignant Neoplasms (Cancer)	4,792	263.3	22.4%	568,668	185.2	23.3%
Chronic Lower Respiratory Disease	1,519	83.5	7.1%	137,082	44.7	5.6%
Accidents, All Forms	1,150	63.2	5.4%	117,176	38.2	4.8%
Cerebrovascular Disease (Stroke)	1,093	60.1	5.1%	128,603	41.9	5.3%
Diabetes Mellitus	757	41.6	3.5%	68,504	22.3	2.8%
Dementia	735	40.4	3.4%	Not Available	Not Available	Not Available
Alzheimer's Disease	558	30.7	2.6%	78,889	25.7	3.2%
Nephritis, Nephrotic Syndrome, and Nephrosis	476	26.2	2.2%	48,714	15.9	2.0%
Influenza and Pneumonia	401	22.0	1.9%	53,582	17.5	2.2%
Septicemia	351	19.3	1.6%	35,587	11.6	1.5%
Total for Leading Causes	16,929	930.3	79.2%	1,835,412	597.8	75.3%
All Other Causes (Residual)	4,456	244.9	20.8%	601,240	195.8	24.7%
Total for All Causes	21,385	1,175.1	100.0%	2,436,652	793.7	100.0%

* National Vital Statistics Reports. Deaths: Preliminary Data for 2009. National Center for Health Statistics. Internet Address - http://www.cdc.gov/nchs/data/nvsr/nvsr59/nvsr59_04.pdf.
West Virginia Bureau for Public Health Health Statistics Center, 2011

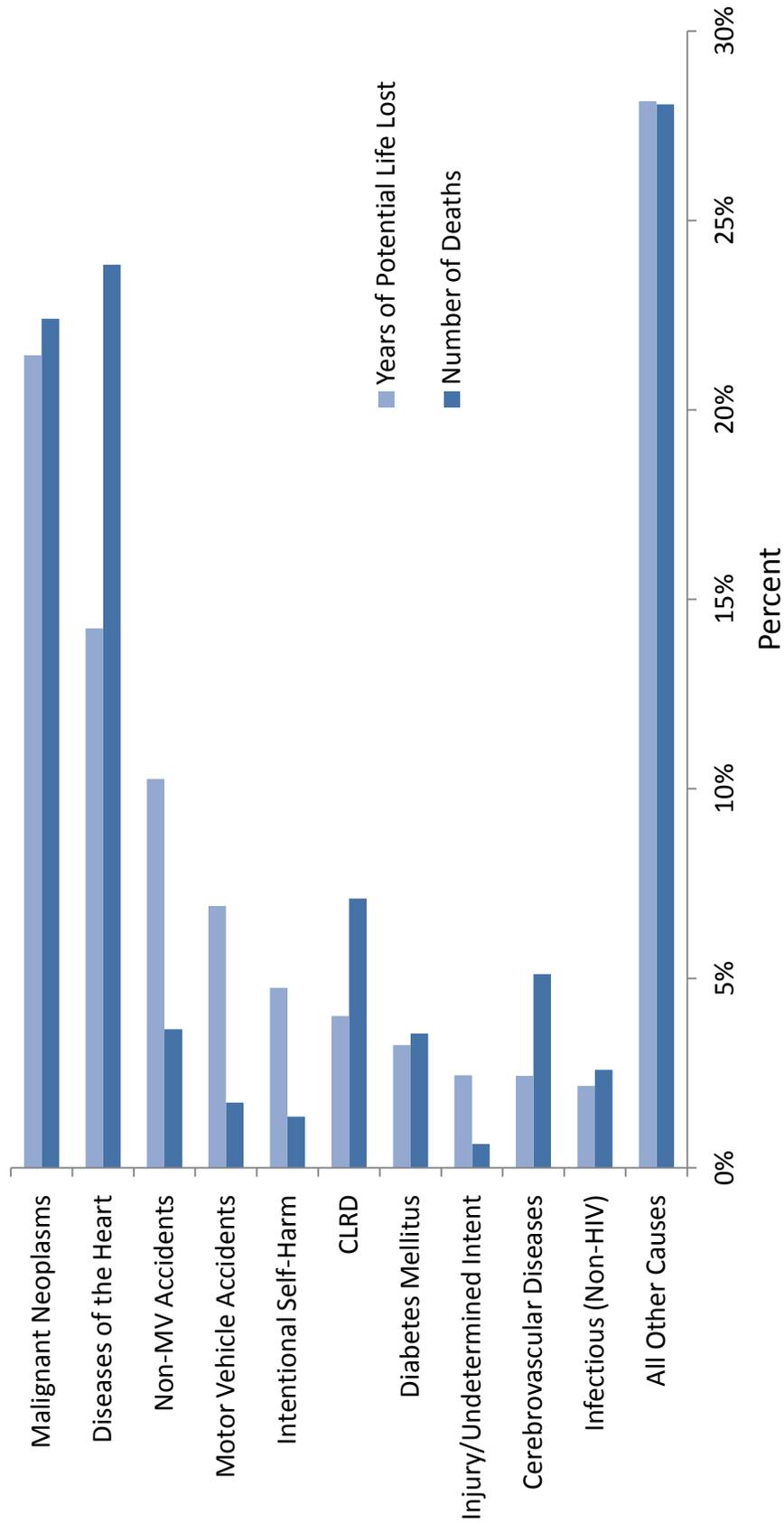
Number and Percent Distribution of Leading Causes of Death
By Years of Potential Life Lost Before Age 75 and Actual Deaths
West Virginia Residents 2008 and 2009

Table 19

Cause of Death	Years of Potential Life Lost Before Age 75						Actual Deaths					
	2009			2008			2009			2008		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	
All Causes	174,632	100.0%	170,033	100.0%	21,385	100.0%	21,551	100.0%	21,551	100.0%	21,551	100.0%
Malignant Neoplasms (Cancer)	37,441	21.4%	36,294	21.3%	4,792	22.4%	4,642	22.4%	4,642	21.5%	4,642	21.5%
Diseases of the Heart	24,859	14.2%	24,382	14.3%	5,097	23.8%	5,309	23.8%	5,309	24.6%	5,309	24.6%
Non-motor Vehicle Accidents	17,921	10.3%	20,574	12.1%	782	3.7%	815	3.7%	815	3.8%	815	3.8%
Motor Vehicle Accidents	12,059	6.9%	12,129	7.1%	368	1.7%	380	1.7%	380	1.8%	380	1.8%
Intentional Self-Harm (Suicides)	8,286	4.7%	8,154	4.8%	288	1.3%	284	1.3%	284	1.3%	284	1.3%
Chronic Lower Respiratory Diseases	6,987	4.0%	6,562	3.9%	1,519	7.1%	1,603	7.1%	1,603	7.4%	1,603	7.4%
Diabetes Mellitus	5,659	3.2%	5,423	3.2%	757	3.5%	742	3.5%	742	3.4%	742	3.4%
Injury Undetermined Whether Accidental or Purposely Inflicted	4,258	2.4%	3,446	2.0%	134	0.6%	106	0.6%	106	0.5%	106	0.5%
Cerebrovascular Diseases (Stroke)	4,238	2.4%	3,796	2.2%	1,093	5.1%	1,047	5.1%	1,047	4.9%	1,047	4.9%
Infectious and Parasitic Diseases (excluding HIV)	3,773	2.2%	4,100	2.4%	553	2.6%	521	2.6%	521	2.4%	521	2.4%
Chronic Liver Disease and Cirrhosis	3,733	2.1%	3,353	2.0%	246	1.2%	225	1.2%	225	1.0%	225	1.0%
Congenital Malformations	3,549	2.0%	4,503	2.6%	66	0.3%	83	0.3%	83	0.4%	83	0.4%
Assault (Homicides)	3,445	2.0%	2,772	1.6%	99	0.5%	77	0.5%	77	0.4%	77	0.4%
Sudden Infant Death Syndrome	2,384	1.4%	2,533	1.5%	32	0.1%	34	0.1%	34	0.2%	34	0.2%
Nephritis, Nephrotic Syndrome, and Nephrosis	2,328	1.3%	2,307	1.4%	476	2.2%	500	2.2%	500	2.3%	500	2.3%
Disorders Relating to Short Gestation and Unspecified Low Birthweight	2,161	1.2%	894	0.5%	29	0.1%	12	0.1%	12	0.1%	12	0.1%
Influenza and Pneumonia	2,116	1.2%	1,899	1.1%	401	1.9%	405	1.9%	405	1.9%	405	1.9%
Obesity	1,272	0.7%	1,384	0.8%	62	0.3%	56	0.3%	56	0.3%	56	0.3%
Alcohol or Drug Psychoses, Dependence or Abuse	1,256	0.7%	948	0.6%	57	0.3%	45	0.3%	45	0.2%	45	0.2%
Other Respiratory Conditions of the Newborn (Non-RDS)	1,043	0.6%	1,043	0.6%	14	0.1%	14	0.1%	14	0.1%	14	0.1%
All Other Causes (Residual)	25,868	14.8%	23,469	13.8%	4,520	21.1%	4,651	21.1%	4,651	21.6%	4,651	21.6%

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Distribution of Years of Potential Life Lost and Number of Deaths West Virginia Resident Deaths, 2009 Exhibit 12



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Leading Causes of Death by Age Group and Gender
West Virginia, 2009
Table 20

Leading Causes of Death	Total, All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	10,744		10,641		21,385	
Diseases of the Heart	2,559	23.8%	2,538	23.9%	5,097	23.8%
Malignant Neoplasms (Cancer)	2,563	23.9%	2,229	20.9%	4,792	22.4%
Chronic Lower Respiratory Disease	715	6.7%	804	7.6%	1,519	7.1%
Accidents, All Forms	780	7.3%	370	3.5%	1,150	5.4%
Cerebrovascular Disease (Stroke)	430	4.0%	663	6.2%	1,093	5.1%
Diabetes Mellitus	406	3.8%	351	3.3%	757	3.5%
Dementia	218	2.0%	517	4.9%	735	3.4%
Alzheimer's Disease	154	1.4%	404	3.8%	558	2.6%
Nephritis, Nephrotic Syndrome, and Nephrosis	233	2.2%	243	2.3%	476	2.2%
Influenza and Pneumonia	185	1.7%	216	2.0%	401	1.9%
All Other Causes (Residual)	2,501	23.3%	2,306	21.7%	4,807	22.5%

Leading Causes of Death	Less than One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	87		80		167	
Sudden Infant Death Syndrome	17	19.5%	14	17.5%	31	18.6%
Disorders Relating to Short Gestation/Unspecified LBW	13	14.9%	16	20.0%	29	17.4%
Congenital Malformations	14	16.1%	14	17.5%	28	16.8%
Infections Specific to the Perinatal Period	4	4.6%	5	6.3%	9	5.4%
Other Cardiovascular Conditions of the Newborn	3	3.4%	4	5.0%	7	4.2%
Maternal Complications of Pregnancy	4	4.6%	3	3.8%	7	4.2%
Complications of Placenta, Cord, and Membrane	3	3.4%	3	3.8%	6	3.6%
Neonatal Hemorrhage	3	3.4%	2	2.5%	5	3.0%
Other Respiratory Conditions of the Newborn	1	1.1%	3	3.8%	4	2.4%
Accidents, All Forms	2	2.3%	1	1.3%	3	1.8%
Neonatal Digestive Disorders	2	2.3%	1	1.3%	3	1.8%
All Other Causes (Residual)	21	24.1%	14	17.5%	35	21.0%

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	16		13		29	
Accidents, All Forms	5	31.3%	2	15.4%	7	24.1%
Congenital Malformations	3	18.8%	4	30.8%	7	24.1%
Injury Undetermined Whether Accidental or Purposely Inflicted	4	25.0%	1	7.7%	5	17.2%
All Other Causes (Residual)	4	25.0%	6	46.2%	10	34.5%

West Virginia Bureau for Public Health
Health Statistics Center, 2011

Leading Causes of Death by Age Group and Gender
West Virginia 2009
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		3		12	
Assault (Homicides)	2	22.2%	1	33.3%	3	25.0%
Malignant Neoplasms (Cancer)	2	22.2%	1	33.3%	3	25.0%
Accidents, All Forms	2	22.2%	0	0.0%	2	16.7%
All Other Causes (Residual)	3	33.3%	1	33.3%	4	33.3%

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	17		8		25	
Accidents, All Forms	4	23.5%	3	37.5%	7	28.0%
Malignant Neoplasms (Cancer)	4	23.5%	2	25.0%	6	24.0%
Intentional Self-Harm (Suicides)	2	11.8%	0	0.0%	2	8.0%
Diseases of the Heart	2	11.8%	0	0.0%	2	8.0%
Congenital Malformations	1	5.9%	1	12.5%	2	8.0%
All Other Causes (Residual)	4	23.5%	2	25.0%	6	24.0%

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	151		60		211	
Accidents, All Forms	87	57.6%	32	53.3%	119	56.4%
Intentional Self-Harm (Suicides)	26	17.2%	3	5.0%	29	13.7%
Assault (Homicides)	9	6.0%	5	8.3%	14	6.6%
Malignant Neoplasms (Cancer)	9	6.0%	4	6.7%	13	6.2%
Injury Undetermined Whether Accidental or Purposely Inflicted	4	2.6%	5	8.3%	9	4.3%
Congenital Malformations	2	1.3%	2	3.3%	4	1.9%
Diseases of the Heart	2	1.3%	1	1.7%	3	1.4%
Influenza and Pneumonia	1	0.7%	2	3.3%	3	1.4%
All Other Causes (Residual)	11	7.3%	6	10.0%	17	8.1%

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	276		117		393	
Accidents, All Forms	130	47.1%	42	35.9%	172	43.8%
Intentional Self-Harm (Suicides)	43	15.6%	12	10.3%	55	14.0%
Malignant Neoplasms (Cancer)	18	6.5%	15	12.8%	33	8.4%
Assault (Homicides)	18	6.5%	5	4.3%	23	5.9%
Diseases of the Heart	14	5.1%	7	6.0%	21	5.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	11	4.0%	4	3.4%	15	3.8%
Influenza and Pneumonia	3	1.1%	3	2.6%	6	1.5%
Nephritis, Nephrotic Syndrome, and Nephrosis	4	1.4%	1	0.9%	5	1.3%
Chronic Liver Disease and Cirrhosis	3	1.1%	2	1.7%	5	1.3%
All Other Causes (Residual)	32	11.6%	26	22.2%	58	14.8%

Leading Causes of Death by Age Group and Gender
West Virginia 2009
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	406		271		677	
Accidents, All Forms	114	28.1%	58	21.4%	172	25.4%
Diseases of the Heart	66	16.3%	36	13.3%	102	15.1%
Malignant Neoplasms (Cancer)	37	9.1%	54	19.9%	91	13.4%
Intentional Self-Harm (Suicides)	42	10.3%	7	2.6%	49	7.2%
Injury Undetermined Whether Accidental or Purposely Inflicted	13	3.2%	18	6.6%	31	4.6%
Diabetes Mellitus	16	3.9%	8	3.0%	24	3.5%
Assault (Homicides)	17	4.2%	4	1.5%	21	3.1%
Chronic Liver Disease and Cirrhosis	13	3.2%	3	1.1%	16	2.4%
Human Immunodeficiency Virus Infection	7	1.7%	4	1.5%	11	1.6%
All Other Causes (Residual)	81	20.0%	79	29.2%	160	23.6%

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,007		631		1,638	
Malignant Neoplasms (Cancer)	219	21.7%	200	31.7%	419	25.6%
Diseases of the Heart	208	20.7%	85	13.5%	293	17.9%
Accidents, All Forms	170	16.9%	56	8.9%	226	13.8%
Chronic Lower Respiratory Disease	29	2.9%	41	6.5%	70	4.3%
Chronic Liver Disease and Cirrhosis	39	3.9%	21	3.3%	60	3.7%
Intentional Self-Harm (Suicides)	47	4.7%	11	1.7%	58	3.5%
Diabetes Mellitus	36	3.6%	22	3.5%	58	3.5%
Cerebrovascular Disease (Stroke)	29	2.9%	25	4.0%	54	3.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	12	1.2%	16	2.5%	28	1.7%
Septicemia	13	1.3%	10	1.6%	23	1.4%
All Other Causes (Residual)	205	20.4%	144	22.8%	349	21.3%

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,731		1,100		2,831	
Malignant Neoplasms (Cancer)	517	29.9%	423	38.5%	940	33.2%
Diseases of the Heart	384	22.2%	176	16.0%	560	19.8%
Chronic Lower Respiratory Disease	94	5.4%	87	7.9%	181	6.4%
Diabetes Mellitus	97	5.6%	56	5.1%	153	5.4%
Accidents, All Forms	92	5.3%	28	2.5%	120	4.2%
Cerebrovascular Disease (Stroke)	54	3.1%	43	3.9%	97	3.4%
Chronic Liver Disease and Cirrhosis	55	3.2%	17	1.5%	72	2.5%
Nephritis, Nephrotic Syndrome, and Nephrosis	32	1.8%	25	2.3%	57	2.0%
Septicemia	27	1.6%	26	2.4%	53	1.9%
Intentional Self-Harm (Suicides)	32	1.8%	15	1.4%	47	1.7%
All Other Causes (Residual)	347	20.0%	204	18.5%	551	19.5%

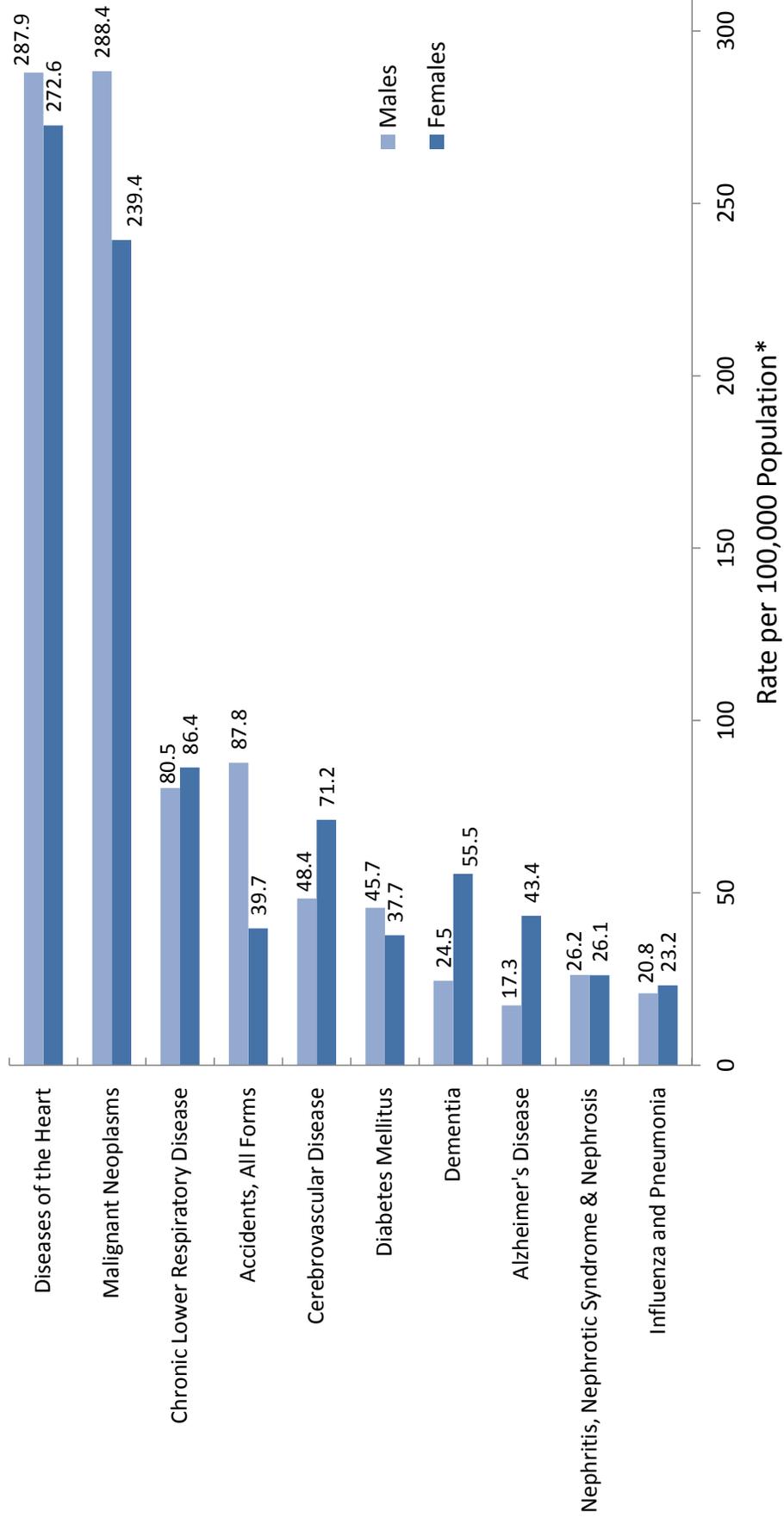
Leading Causes of Death by Age Group and Gender
West Virginia 2009
Table 20 (Cont'd)

Leading Causes of Death	Sixty-Five to Seventy-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,268		1,730		3,998	
Malignant Neoplasms (Cancer)	733	32.3%	574	33.2%	1,307	32.7%
Diseases of the Heart	521	23.0%	303	17.5%	824	20.6%
Chronic Lower Respiratory Disease	189	8.3%	219	12.7%	408	10.2%
Cerebrovascular Disease (Stroke)	99	4.4%	75	4.3%	174	4.4%
Diabetes Mellitus	108	4.8%	61	3.5%	169	4.2%
Nephritis, Nephrotic Syndrome, and Nephrosis	52	2.3%	49	2.8%	101	2.5%
Accidents, All Forms	64	2.8%	29	1.7%	93	2.3%
Septicemia	35	1.5%	47	2.7%	82	2.1%
Influenza and Pneumonia	37	1.6%	31	1.8%	68	1.7%
Chronic Liver Disease and Cirrhosis	31	1.4%	19	1.1%	50	1.3%
All Other Causes (Residual)	399	17.6%	323	18.7%	722	18.1%

Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,833		2,877		5,710	
Diseases of the Heart	731	25.8%	750	26.1%	1,481	25.9%
Malignant Neoplasms (Cancer)	731	25.8%	591	20.5%	1,322	23.2%
Chronic Lower Respiratory Disease	264	9.3%	257	8.9%	521	9.1%
Cerebrovascular Disease (Stroke)	141	5.0%	200	7.0%	341	6.0%
Dementia	68	2.4%	137	4.8%	205	3.6%
Diabetes Mellitus	90	3.2%	107	3.7%	197	3.5%
Alzheimer's Disease	61	2.2%	118	4.1%	179	3.1%
Nephritis, Nephrotic Syndrome, and Nephrosis	74	2.6%	72	2.5%	146	2.6%
Accidents, All Forms	62	2.2%	55	1.9%	117	2.0%
Influenza and Pneumonia	58	2.0%	54	1.9%	112	2.0%
All Other Causes (Residual)	553	19.5%	536	18.6%	1,089	19.1%

Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,943		3,751		5,694	
Diseases of the Heart	630	32.4%	1,180	31.5%	1,810	31.8%
Malignant Neoplasms (Cancer)	292	15.0%	365	9.7%	657	11.5%
Dementia	118	6.1%	361	9.6%	479	8.4%
Cerebrovascular Disease (Stroke)	98	5.0%	316	8.4%	414	7.3%
Alzheimer's Disease	78	4.0%	264	7.0%	342	6.0%
Chronic Lower Respiratory Disease	131	6.7%	194	5.2%	325	5.7%
Influenza and Pneumonia	53	2.7%	103	2.7%	156	2.7%
Diabetes Mellitus	56	2.9%	96	2.6%	152	2.7%
Nephritis, Nephrotic Syndrome, and Nephrosis	58	3.0%	83	2.2%	141	2.5%
Accidents, All Forms	48	2.5%	64	1.7%	112	2.0%
Essential Hypertension and Hypertensive Renal Disease	23	1.2%	67	1.8%	90	1.6%
All Other Causes (Residual)	358	18.4%	658	17.5%	1,016	17.8%

2009 Ten Leading Causes of Death by Gender West Virginia Resident Death Rates* Exhibit 13



* Using 2009 Census estimates for WV
Males = 888,696; Females = 931,081

Types of Firearm Injury Deaths by Age Group and Gender
West Virginia Residents, 2009
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	1	0	0	1	0	2
Intentional Self-Harm (Suicide)	0	2	9	13	33	25	36	32	40	190
Assault (Homicide)	1	0	4	6	14	13	10	4	5	57
Legal Intervention	0	0	0	0	3	0	0	0	0	3
Undetermined	0	0	0	0	0	0	1	0	1	2
Total	1	2	13	19	51	38	47	37	46	254
Male										
Accidental	0	0	0	0	1	0	0	1	0	2
Intentional Self-Harm (Suicide)	0	2	9	12	28	23	32	24	39	169
Assault (Homicide)	0	0	3	4	11	10	6	4	1	39
Legal Intervention	0	0	0	0	3	0	0	0	0	3
Undetermined	0	0	0	0	0	0	1	0	0	1
Total	0	2	12	16	43	33	39	29	40	214
Female										
Accidental	0	0	0	0	0	0	0	0	0	0
Intentional Self-Harm (Suicide)	0	0	0	1	5	2	4	8	1	21
Assault (Homicide)	1	0	1	2	3	3	4	0	4	18
Legal Intervention	0	0	0	0	0	0	0	0	0	0
Undetermined	0	0	0	0	0	0	0	0	1	1
Total	1	0	1	3	8	5	8	8	6	40

Non-Transport Accidental Injury Deaths
Place Where Injury Occurred
West Virginia Residents, 2009
Table 22

Place of Injury	Male	Female	Total
Home	260	151	411
Farm	1	0	1
Mine and Quarry	1	0	1
Industrial Places	3	0	3
Recreational Places	2	0	2
Street and Highway	2	0	2
Resident Institution	0	0	0
Other Specified Places	159	70	229
Unspecified Places	48	41	89
Total	476	262	738

West Virginia Bureau for Public Health
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Causes of Resident Deaths: Number and Rate
West Virginia, 2009
Table 23

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99*	Total Deaths, All Causes	21,385	11.8
A00-B99	Certain Infectious and Parasitic Diseases	577	31.7
A00-A09	Intestinal Infectious Diseases	104	5.7
A02	Other Salmonella Infections	1	0.1
A04	Other Bacterial Intestinal Infections	75	4.1
A08	Viral and Other Specified Intestinal Infections	3	0.2
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	25	1.4
A15-A19	Tuberculosis	2	0.1
A18	Tuberculosis of other organs	1	0.1
A19	Miliary Tuberculosis	1	0.1
A20-A28	Certain Zoonotic Bacterial Diseases	1	0.1
A28	Other Zoonotic Bacterial Diseases, Not Elsewhere Classified	1	0.1
A30-A49	Other Bacterial Diseases	372	20.4
A31	Infection due to Other Mycobacteria	1	0.1
A40	Streptococcal Septicemia	5	0.3
A41	Other Septicemia	346	19.0
A48	Other Bacterial Diseases, Not Elsewhere Classified	1	0.1
A49	Bacterial Infection of Unspecified Site	19	1.0
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	8	0.4
B00	Herpesviral [Herpes Simplex] Infection	3	0.2
B02	Zoster [Herpes Zoster]	5	0.3
B15-B19	Viral Hepatitis	41	2.3
B16	Acute Hepatitis B	6	0.3
B18	Chronic Viral Hepatitis	35	1.9
B20-B24	Human Immunodeficiency Virus [HIV] Disease	24	1.3
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	8	0.4
B21	Human Immunodeficiency Virus [HIV] Disease Resulting in Malignant Neoplasms	2	0.1
B22	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Specified Diseases	1	0.1
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	8	0.4
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	5	0.3
B25-B34	Other Viral Diseases	8	0.4
B25	Cytomegaloviral Disease	1	0.1
B34	Viral Infection of Unspecified Site	7	0.4
B35-B49	Mycoses	10	0.5
B35	Dermatophytosis	1	0.1
B37	Candidiasis	1	0.1
B39	Histoplasmosis	1	0.1
B44	Aspergillosis	2	0.1
B45	Cryptococcosis	1	0.1
B49	Unspecified Mycosis	4	0.2
B50-B64	Protozoal Diseases	2	0.1
B54	Unspecified Malaria	1	0.1
B58	Toxoplasmosis	1	0.1
B65-B83	Helminthiases	1	0.1
B78	Strongyloidiasis	1	0.1
B90-B94	Sequelae of Infectious and Parasitic Diseases	2	0.1
B91	Sequelae of Poliomyelitis	2	0.1
B99	Other Infectious Diseases	2	0.1
B99	Other and Unspecified Infectious Diseases	2	0.1
C00-D48	Neoplasms	4,912	269.9
C00-C97	Malignant Neoplasms	4,792	263.3
C02	Malignant Neoplasm of Other and Unspecified Parts of Tongue	11	0.6
C05	Malignant Neoplasm of Palate	1	0.1
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	6	0.3
C07	Malignant Neoplasm of Parotid Gland	2	0.1
C09	Malignant Neoplasm of Tonsil	6	0.3
C10	Malignant Neoplasm of Oropharynx	2	0.1
C11	Malignant Neoplasm of Nasopharynx	7	0.4
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	6	0.3
C15-C26	Malignant Neoplasms of Digestive Organs	1,054	57.9
C15	Malignant Neoplasm of Esophagus	126	6.9

*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, 2009
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C16	Malignant Neoplasm of Stomach	71	3.9
C17	Malignant Neoplasm of Small Intestine	8	0.4
C18	Malignant Neoplasm of Colon	385	21.2
C19	Malignant Neoplasm of Rectosigmoid Junction	16	0.9
C20	Malignant Neoplasm of Rectum	71	3.9
C21	Malignant Neoplasm of Anus and Anal Canal	12	0.7
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	100	5.5
C23	Malignant Neoplasm of Gallbladder	9	0.5
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	10	0.5
C25	Malignant Neoplasm of Pancreas	232	12.7
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	14	0.8
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,620	89.0
C30	Malignant Neoplasm of Nasal Cavity and Middle Ear	1	0.1
C31	Malignant Neoplasm of Accessory Sinuses	3	0.2
C32	Malignant Neoplasm of Larynx	34	1.9
C33	Malignant Neoplasm of Trachea	3	0.2
C34	Malignant Neoplasm of Bronchus and Lung	1,570	86.3
C37	Malignant Neoplasm of Thymus	2	0.1
C38	Malignant Neoplasm of Heart, Mediastinum, and Pleura	2	0.1
C39	Malignant Neoplasm of Other and Ill-Defined Sites in the Respiratory System and Intrathoracic Organs	5	0.3
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	1	0.1
C41	Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites	1	0.1
C43-C44	Melanoma and Other Malignant Neoplasms of Skin	92	5.1
C43	Malignant Neoplasm of Skin	72	4.0
C44	Other Malignant Neoplasms of Skin	20	1.1
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	52	2.9
C45	Mesothelioma	25	1.4
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	3	0.2
C49	Malignant Neoplasm of Other Connective and Soft Tissue	24	1.3
C50	Malignant Neoplasm of Breast	284	15.6
C50	Malignant Neoplasm of Breast	284	15.6
C51-C58	Malignant Neoplasms of Female Genital Organs	201	11.0
C51	Malignant Neoplasm of Vulva	8	0.4
C52	Malignant Neoplasm of Vagina	1	0.1
C53	Malignant Neoplasm of Cervix Uteri	34	1.9
C54	Malignant Neoplasm of Corpus Uteri	29	1.6
C55	Malignant Neoplasm of Uterus, Part Unspecified	14	0.8
C56	Malignant Neoplasm of Ovary	114	6.3
C57	Malignant Neoplasm of Other and Unspecified Female Genital Organs	1	0.1
C60-C63	Malignant Neoplasms of Male Genital Organs	232	12.7
C60	Malignant Neoplasm of Penis	3	0.2
C61	Malignant Neoplasm of Prostate	223	12.3
C62	Malignant Neoplasm of Testis	6	0.3
C64-C68	Malignant Neoplasms of Urinary Tract	212	11.6
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	109	6.0
C65	Malignant Neoplasm of Renal Pelvis	1	0.1
C66	Malignant Neoplasm of Ureter	3	0.2
C67	Malignant Neoplasm of Bladder	91	5.0
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	8	0.4
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	97	5.3
C70	Malignant Neoplasm of Meninges	2	0.1
C71	Malignant Neoplasm of Brain	95	5.2
C73-C75	Malignant Neoplasms of Other Endocrine Glands	15	0.8
C73	Malignant Neoplasm of Thyroid Gland	9	0.5
C74	Malignant Neoplasm of Adrenal Gland	6	0.3
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	282	15.5
C76	Malignant Neoplasm of Other and Ill-Defined Sites	28	1.5
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	26	1.4
C79	Secondary Malignant Neoplasm of Other Sites	20	1.1
C80	Malignant Neoplasm without Specification of Site	208	11.4

*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, 2009
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	422	23.2
C81	Hodgkin's Disease	12	0.7
C82	Follicular [Nodular] Non-Hodgkin's Lymphoma	3	0.2
C83	Diffuse Non-Hodgkin's Lymphoma	20	1.1
C84	Peripheral and Cutaneous T-Cell Lymphoma	6	0.3
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	117	6.4
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	87	4.8
C91	Lymphoid Leukemia	61	3.4
C92	Myeloid Leukemia	76	4.2
C93	Monocytic Leukemia	3	0.2
C95	Leukemia of Unspecified Cell Type	37	2.0
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	187	10.3
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	187	10.3
D10-D36	Benign Neoplasms	9	0.5
D13	Benign Neoplasm of Other and Ill-Defined Parts of Digestive System	1	0.1
D32	Benign Neoplasm of Meninges	6	0.3
D35	Benign Neoplasm of Other and Unspecified Endocrine Gland	1	0.1
D36	Benign Neoplasm of Other and Unspecified Sites	1	0.1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	111	6.1
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	6	0.3
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	8	0.4
D41	Neoplasm of Uncertain or Unknown Behavior of Urinary Organs	3	0.2
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	26	1.4
D44	Neoplasm of Uncertain or Unknown Behavior of Endocrine Glands	1	0.1
D45	Polycythemia Vera	4	0.2
D46	Myelodysplastic Syndromes	45	2.5
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	8	0.4
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	10	0.5
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	94	5.2
D50-D53	Nutritional Anemias	5	0.3
D50	Iron Deficiency Anemia	1	0.1
D51	Vitamin B12 Deficiency Anemia	2	0.1
D52	Folate Deficiency Anemia	1	0.1
D53	Other Nutritional Anemias	1	0.1
D55-D59	Hemolytic Anemias	2	0.1
D59	Acquired Hemolytic Anemia	2	0.1
D60-D64	Aplastic and Other Anemias	38	2.1
D61	Other Aplastic Anemias	9	0.5
D64	Other Anemias	29	1.6
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	25	1.4
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	4	0.2
D68	Other Coagulation Defects	12	0.7
D69	Purpura and Other Hemorrhagic Conditions	9	0.5
D70-D77	Other Diseases of Blood and Blood-forming Organs	12	0.7
D70	Agranulocytosis	4	0.2
D72	Other Disorders of White Blood Cells	4	0.2
D73	Diseases of Spleen	1	0.1
D75	Other Diseases of Blood and-Blood forming Organs	2	0.1
D76	Certain Diseases Involving Lymphoreticular Tissue and Reticulohistiocytic System	1	0.1
D80-D89	Certain Disorders Involving the Immune Mechanism	12	0.7
D84	Other Immunodeficiencies	2	0.1
D86	Sarcoidosis	5	0.3
D89	Other Disorders Involving the Immune Mechanism, Not Elsewhere Classified	5	0.3
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,058	58.1
E00-E07	Disorders of Thyroid Gland	30	1.6
E03	Other Hypothyroidism	26	1.4
E05	Thyrotoxicosis [Hyperthyroidism]	3	0.2
E07	Other Disorders of Thyroid	1	0.1
E10-E14	Diabetes Mellitus	757	41.6
E10	Insulin-Dependent Diabetes Mellitus	36	2.0

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Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
E11	Non-Insulin-Dependent Diabetes Mellitus	245	13.5
E14	Unspecified Diabetes Mellitus	476	26.2
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	2	0.1
E15	Nondiabetic Hypoglycemic Coma	1	0.1
E16	Other Disorders of Pancreatic Internal Secretion	1	0.1
E20-E35	Disorders of Other Endocrine Glands	9	0.5
E22	Hyperfunction of Pituitary Gland	1	0.1
E23	Hyperfunction and Other Disorders of Pituitary Gland	5	0.3
E27	Other Disorders of Adrenal Gland	3	0.2
E40-E46	Malnutrition	21	1.2
E43	Unspecified Severe Protein-Energy Malnutrition	6	0.3
E46	Unspecified Protein-Energy Malnutrition	15	0.8
E50-E64	Other Nutritional Deficiencies	1	0.1
E61	Deficiency of Other Nutrient Elements	1	0.1
E65-E68	Obesity and Other Hyperalimentation	62	3.4
E66	Obesity	62	3.4
E70-E90	Metabolic Disorders	176	9.7
E71	Disorders of Branched-Chain Amino-Acid Metabolism and Fatty-Acid Metabolism	1	0.1
E72	Other Disorders of Amino-Acid Metabolism	4	0.2
E77	Disorders of Glycoprotein Metabolism	1	0.1
E78	Disorders of Lipoprotein Metabolism and Other Lipidemias	100	5.5
E83	Disorders of Mineral Metabolism	9	0.5
E84	Cystic Fibrosis	5	0.3
E85	Amyloidosis	4	0.2
E86	Volume Depletion	22	1.2
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	24	1.3
E88	Other Metabolic Disorders	6	0.3
F00-F99	Mental and Behavioral Disorders	822	45.2
F00-F09	Organic, Including Symptomatic, Mental Disorders	744	40.9
F01	Vascular Dementia	71	3.9
F03	Unspecified Dementia	664	36.5
F06	Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease	9	0.5
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	57	3.1
F10	Mental and Behavioral Disorders due to Use of Alcohol	53	2.9
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	1	0.1
F20	Schizophrenia	1	0.1
F30-F39	Mood [Affective] Disorders	5	0.3
F31	Bipolar Affective Disorder	1	0.1
F32	Depressive Episode	3	0.2
F33	Recurrent Depressive	1	0.1
F40-F48	Neurotic, Stress-Related and Somatoform Disorders	1	0.1
F43	Reaction to Severe Stress, and Adjustment Disorders	1	0.1
F50-F59	Behavioral Syndromes Associated with Physiological Disturbances and Physical Factors	3	0.2
F50	Eating Disorders	1	0.1
F54	Psychological and Behavioral Factors Associated with Disorders or Diseases Classified Elsewhere	2	0.1
F70-F79	Mental Retardation	11	0.6
F72	Severe Mental Retardation	3	0.2
F79	Unspecified Mental Retardation	8	0.4
G00-G99	Diseases of the Nervous System	974	53.5
G00-G09	Inflammatory Diseases of the Central Nervous System	7	0.4
G00	Bacterial Meningitis, Not Elsewhere Classified	3	0.2
G03	Meningitis due to Other and Unspecified Causes	3	0.2
G06	Intracranial and Intraspinal Abscess and Granuloma	1	0.1
G10-G13	Systemic Atrophies Primarily Affecting the Central Nervous System	55	3.0
G10	Huntington's Disease	7	0.4
G11	Hereditary Ataxia	1	0.1
G12	Spinal Muscular Atrophy and Related Syndromes	47	2.6
G20-G26	Extrapyramidal and Movement Disorders	162	8.9
G20	Parkinson's Disease	160	8.8
G23	Other Degenerative Diseases of Basal Ganglia	2	0.1

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Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
G30-G32	Other Degenerative Diseases of the Nervous System	566	31.1
G30	Alzheimer's Disease	558	30.7
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	8	0.4
G35-G37	Demyelinating Diseases of the Central Nervous System	29	1.6
G35	Multiple Sclerosis	28	1.5
G37	Other Demyelinating	1	0.1
G40-G47	Episodic and Paroxysmal Disorders	22	1.2
G40	Epilepsy	4	0.2
G41	Status Epilepticus	7	0.4
G45	Transient Cerebral Ischemic Attacks and Related Syndromes	3	0.2
G47	Sleep Disorders	8	0.4
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	16	0.9
G70	Myasthenia Gravis and Other Myoneural Disorders	9	0.5
G71	Primary Disorders of Muscles	4	0.2
G72	Other Myopathies	3	0.2
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	26	1.4
G80	Infantile Cerebral Palsy	16	0.9
G82	Paraplegia and Tetraplegia	8	0.4
G83	Other Paralytic Syndromes	2	0.1
G90-G99	Other Disorders of the Nervous System	85	4.7
G90	Disorders of Autonomic Nervous System	2	0.1
G91	Hydrocephalus	6	0.3
G93	Other Disorders of Brain	74	4.1
G95	Other Diseases of Spinal Cord	2	0.1
G98	Other Disorders of Nervous System, Not Elsewhere Classified	1	0.1
H00-H59	Diseases of the Eye and Adnexa	1	0.1
H43-H45	Disorders of Vitreous Body and Globe	1	0.1
H44	Disorders of Globe	1	0.1
H60-H95	Diseases of the Ear	1	0.1
H65-H75	Diseases of Middle Ear and Mastoid	1	0.1
H66	Suppurative and Unspecified Otitis Media	1	0.1
I00-I99	Diseases of the Circulatory System	6,709	368.7
I00-I09, I11, I13, I20-I51	Diseases of the Heart	5,097	280.1
I05-I09	Chronic Rheumatic Heart Diseases	20	1.1
I05	Rheumatic Mitral Valve Diseases	15	0.8
I08	Multiple Valve Diseases	3	0.2
I09	Other Rheumatic Heart Diseases	2	0.1
I10-I15	Hypertensive Diseases	363	19.9
I10	Essential (Primary) Hypertension	156	8.6
I11	Hypertensive Heart Disease	104	5.7
I12	Hypertensive Renal Disease	83	4.6
I13	Hypertensive Heart and Renal Disease	20	1.1
I20-I25	Ischemic Heart Diseases	3,317	182.3
I20	Angina Pectoris	2	0.1
I21	Acute Myocardial Infarction	1,072	58.9
I24	Other Acute Ischemic Heart Diseases	21	1.2
I25	Chronic Ischemic Heart Disease	2,222	122.1
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	95	5.2
I26	Pulmonary Embolism	51	2.8
I27	Other Pulmonary Heart Diseases	43	2.4
I28	Other Diseases of Pulmonary Vessels	1	0.1
I30-I52	Other forms of Heart Diseases	1,541	84.7
I31	Other Diseases of Pericardium	5	0.3
I33	Acute and Subacute Endocarditis	8	0.4

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
I34	Nonrheumatic Mitral Valve Disorders	6	0.3
I35	Nonrheumatic Aortic Valve Disorders	90	4.9
I38	Endocarditis, Valve Unspecified	34	1.9
I40	Acute Myocarditis	2	0.1
I42	Cardiomyopathy	117	6.4
I44	Atrioventricular and Left Bundle-Branch Block	2	0.1
I45	Other Conduction Disorders	8	0.4
I46	Cardiac Arrest	380	20.9
I47	Paroxysmal Tachycardia	5	0.3
I48	Atrial Fibrillation and Flutter	140	7.7
I49	Other Cardiac Arrhythmias	54	3.0
I50	Heart Failure	609	33.5
I51	Complications and Ill-Defined Descriptions of Heart Disease	81	4.5
I60-I69	Cerebrovascular Diseases	1,093	60.1
I60	Subarachnoid Hemorrhage	40	2.2
I61	Intracerebral Hemorrhage	141	7.7
I62	Other Nontraumatic Intracranial Hemorrhage	91	5.0
I63	Cerebral Infarction	56	3.1
I64	Stroke, Not Specified as Hemorrhage or Infarction	636	34.9
I67	Other Cerebrovascular Diseases	83	4.6
I69	Sequelae of Cerebrovascular Disease	46	2.5
I70-I79	Diseases of Arteries, Arterioles and Capillaries	248	13.6
I70	Atherosclerosis	65	3.6
I71	Aortic Aneurysm and Dissection	99	5.4
I72	Other Aneurysm	5	0.3
I73	Other Peripheral Vascular Diseases	63	3.5
I74	Arterial Embolism and Thrombosis	7	0.4
I77	Other Disorders of Arteries and Arterioles	9	0.5
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	28	1.5
I80	Phlebitis and Thrombophlebitis	24	1.3
I81	Portal Vein Thrombosis	1	0.1
I82	Other Venous Embolism and Thrombosis	1	0.1
I83	Varicose Veins of Lower Extremities	1	0.1
I85	Esophageal Varices	1	0.1
I95-I99	Other and Unspecified Disorders of the Circulatory System	4	0.2
I95	Hypotension	2	0.1
I99	Other and Unspecified Disorders of Circulatory System	2	0.1
J00-J99	Diseases of the Respiratory System	2,419	132.9
J00-J06	Acute Upper Respiratory Infections	1	0.1
J06	Acute Upper Respiratory Infections of Multiple and Unspecified Sites	1	0.1
J09-J18	Influenza and Pneumonia	411	22.6
J09	Influenza due to Identified Avian Influenza Virus	10	0.5
J10	Influenza due to Identified Influenza Virus	6	0.3
J11	Influenza, Virus Not Identified	7	0.4
J12	Viral Pneumonia, Not Elsewhere Classified	4	0.2
J13	Pneumonia due to Streptococcus Pneumoniae	1	0.1
J14	Pneumonia due to Haemophilus Influenzae	1	0.1
J15	Bacterial Pneumonia, Not Elsewhere Classified	11	0.6
J18	Pneumonia, Organism Unspecified	371	20.4
J20-J22	Other Acute Lower Respiratory Infections	4	0.2
J20	Acute Bronchitis	3	0.2
J22	Unspecified Acute Lower Respiratory Infection	1	0.1
J30-J39	Other Diseases of Upper Respiratory Tract	3	0.2
J32	Chronic Sinusitis	1	0.1
J38	Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	1	0.1
J39	Other Diseases of Upper Respiratory Tract	1	0.1
J40-J47	Chronic Lower Respiratory Diseases	1,519	83.5
J40	Bronchitis, Not Specified as Acute or Chronic	3	0.2
J42	Unspecified Chronic Bronchitis	1	0.1
J43	Emphysema	93	5.1
J44	Other Chronic Obstructive Pulmonary Disease	1,393	76.5

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
J45	Asthma	21	1.2
J47	Bronchiectasis	8	0.4
J60-J70	Lung Diseases due to External Agents	195	10.7
J60	Coalworker's Pneumoconiosis	62	3.4
J61	Pneumoconiosis due to Asbestos and Other Mineral Fibers	14	0.8
J62	Pneumoconiosis due to Dust Containing Silicia	1	0.1
J63	Pneumoconiosis due to Other Inorganic Dusts	1	0.1
J64	Unspecified Pneumoconiosis	3	0.2
J65	Pneumoconiosis Associated with Tuberculosis	1	0.1
J67	Hypersensitivity Pneumonitis due to Organic Dust	1	0.1
J68	Respiratory Conditions due to Inhalation of Chemicals, Gases, Fumes and Vapors	1	0.1
J69	Pneumonitis due to Solids and Liquids	107	5.9
J70	Respiratory Conditions due to Other External Agents	4	0.2
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	144	7.9
J80	Adult Respiratory Distress Syndrome	22	1.2
J81	Pulmonary Edema	6	0.3
J82	Pulmonary Eosinophilia, Not Elsewhere Classified	1	0.1
J84	Other Interstitial Pulmonary Diseases	115	6.3
J85-J86	Supportive and Necrotic Conditions of Lower Respiratory Tract	9	0.5
J85	Abscess of Lung and Mediastinum	3	0.2
J86	Pyothorax	6	0.3
J90-J94	Other Diseases of Pleura	23	1.3
J90	Pleural Effusion, Not Elsewhere Classified	17	0.9
J91	Pleural Effusion in Conditions Classified Elsewhere	1	0.1
J93	Pneumothorax	4	0.2
J94	Other Pleural Conditions	1	0.1
J95-J99	Other Diseases of the Respiratory System	110	6.0
J96	Respiratory Failure, Not Elsewhere Classified	77	4.2
J98	Other Respiratory Disorders	33	1.8
K00-K93	Diseases of the Digestive System	724	39.8
K00-K14	Diseases of Oral Cavity, Salivary Glands and Jaws	4	0.2
K04	Diseases of Pulp and Periapical Tissues	2	0.1
K08	Other Disorders of Teeth and Supporting Structures	1	0.1
K11	Diseases of Salivary Glands	1	0.1
K20-K31	Diseases of Esophagus, Stomach and Duodenum	37	2.0
K20	Esophagitis	1	0.1
K21	Gastro-esophageal Reflux Disease	1	0.1
K22	Other Diseases of Esophagus	6	0.3
K23	Disorders of Esophagus in Diseases Classified Elsewhere	1	0.1
K25	Gastric Ulcer	7	0.4
K26	Duodenal Ulcer	9	0.5
K27	Peptic Ulcer, Site Unspecified	6	0.3
K29	Gastritis and Duodenitis	1	0.1
K31	Other Diseases of Stomach and Duodenum	5	0.3
K40-K46	Hernia	13	0.7
K40	Inguinal Hernia	2	0.1
K41	Femoral Hernia	1	0.1
K43	Ventral Hernia	3	0.2
K44	Diaphragmatic Hernia	4	0.2
K46	Unspecified Abdominal Hernia	3	0.2
K50-K52	Noninfective Enteritis and Colitis	12	0.7
K50	Crohn's Disease [Regional Enteritis]	8	0.4
K51	Ulcerative Colitis	4	0.2
K55-K63	Other Diseases of Intestines	154	8.5
K55	Vascular Disorders of Intestine	64	3.5
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	42	2.3
K57	Diverticular Disease of Intestine	13	0.7
K58	Irritable Bowel Syndrome	1	0.1
K59	Other Functional Intestinal Disorders	3	0.2
K61	Abscess of Anal and Rectal Regions	1	0.1
K62	Other Diseases of Anus and Rectum	3	0.2

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
K63	Other Diseases of Intestine	27	1.5
K65-K67	Diseases of Peritoneum	10	0.5
K65	Peritonitis	8	0.4
K66	Other Disorders of Peritoneum	2	0.1
K70-K77	Diseases of Liver	347	19.1
K70	Alcoholic Liver Disease	96	5.3
K72	Hepatic Failure, Not Elsewhere Classified	46	2.5
K74	Fibrosis and Cirrhosis of Liver	150	8.2
K75	Other Inflammatory Liver Diseases	5	0.3
K76	Other Diseases of Liver	50	2.7
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	73	4.0
K80	Chololithiasis	8	0.4
K81	Cholecystitis	12	0.7
K82	Other Diseases of Gallbladder	5	0.3
K83	Other Diseases of Biliary Tract	6	0.3
K85	Acute Pancreatitis	33	1.8
K86	Other Diseases of Pancreas	9	0.5
K90-K93	Other Diseases of the Digestive System	74	4.1
K90	Intestinal Malabsorption	1	0.1
K92	Other Diseases of Digestive System	73	4.0
L00-L99	Diseases of the Skin and Subcutaneous Tissue	36	2.0
L00-L08	Infections of the Skin and Subcutaneous Tissue	14	0.8
L03	Cellulitis	10	0.5
L08	Other Local Infections of Skin and Subcutaneous Tissue	4	0.2
L10-L14	Bullous Disorders	2	0.1
L10	Pemphigus	1	0.1
L12	Pemphigoid	1	0.1
L50-L54	Urticaria and Erythema	2	0.1
L51	Erythema Multiforme	1	0.1
L53	Other Erythematous Conditions	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	18	1.0
L89	Decubitus Ulcer	15	0.8
L93	Lupus Erythematosus	3	0.2
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	136	7.5
M00-M25	Arthropathies	55	3.0
M00-M03	Infectious Arthropathies	2	0.1
M00	Pyogenic Arthritis	2	0.1
M05-M14	Inflammatory Polyarthropathies	33	1.8
M05	Seropositive Rheumatoid Arthritis	6	0.3
M06	Other Rheumatoid Arthritis	22	1.2
M10	Gout	1	0.1
M13	Other Arthritis	4	0.2
M15-M19	Arthrosis	19	1.0
M17	Gonarthrosis [Arthrosis of Knee]	1	0.1
M19	Other Arthrosis	18	1.0
M20-M25	Other Joint Disorders	1	0.1
M25	Other Joint Disorders, Not Elsewhere Classified	1	0.1
M30-M36	Systemic Connective Tissue Disorders	30	1.6
M31	Other Necrotizing Vasculopathies	9	0.5
M32	Systemic Lupus Erythematosus	5	0.3
M33	Dermatopolymyositis	1	0.1
M34	Systemic Sclerosis	9	0.5
M35	Other Systemic Involvement of Connective Tissue	6	0.3
M40-M54	Dorsopathies	9	0.5
M40-M43	Deforming Dorsopathies	2	0.1
M40	Kyphosis and Lordosis	2	0.1
M45-M49	Spondylopathies	5	0.3
M48	Other Spondylopathies	5	0.3
M50-M54	Other Dorsopathies	2	0.1
M50	Cervical Disc Disorders	1	0.1

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
M54	Dorsalgia	1	0.1
M60-M79	Soft Tissue Disorders	18	1.0
M60-M63	Disorders of Muscles	10	0.5
M60	Myositis	1	0.1
M62	Other Disorders of Muscle	9	0.5
M70-M79	Other Soft Tissue Disorders	8	0.4
M72	Fibroblastic Disorders	5	0.3
M79	Other Soft Tissue Disorders, Not Elsewhere Classified	3	0.2
M80-M94	Osteopathies and Chondropathies	23	1.3
M80-M85	Disorders of Bone Density and Structure	11	0.6
M80	Osteoporosis with Pathological Fracture	4	0.2
M81	Osteoporosis without Pathological Fracture	4	0.2
M84	Disorders of Continuity of Bone	3	0.2
M86-M90	Other Osteopathies	12	0.7
M86	Osteomyelitis	12	0.7
M95-M99	Other Disorders of the Musculoskeletal System and Connective Tissue	1	0.1
M95	Other Acquired Deformities of Musculoskeletal System and Connective Tissue	1	0.1
N00-N99	Diseases of the Genitourinary System	618	34.0
N00-N08	Glomerular Diseases	7	0.4
N03	Chronic Nephrotic Syndrome	5	0.3
N05	Unspecified Nephritic Syndrome	2	0.1
N10-N16	Renal Tubulo-Interstitial Diseases	4	0.2
N12	Tubulo-Interstitial Nephritis, Not Specified as Acute or Chronic	1	0.1
N13	Obstructive and Reflux Uropathy	3	0.2
N17-N19	Renal Failure	469	25.8
N17	Acute Renal Failure	132	7.3
N18	Chronic Renal Failure	178	9.8
N19	Unspecified Renal Failure	159	8.7
N20-N23	Urolithiasis	1	0.1
N20	Calculus of Kidney and Ureter	1	0.1
N25-N29	Other Disorders of Kidney and Ureter	30	1.6
N28	Other Disorders of Kidney and Ureter, Not Elsewhere Classified	30	1.6
N30-N39	Other Diseases of the Urinary System	101	5.6
N30	Cystitis	1	0.1
N31	Neuromuscular Dysfunction of Bladder, Not Elsewhere Classified	1	0.1
N32	Other Disorders of Bladder	3	0.2
N39	Other Disorders of Urinary System	96	5.3
N40-N51	Diseases of Male Genital Organs	2	0.1
N40	Hyperplasia of Prostate	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	3	0.2
N81	Female Genital Prolapse	1	0.1
N88	Other Noninflammatory Disorders of Cervix Uteri	1	0.1
N93	Other Abnormal Uterine and Vaginal Bleeding	1	0.1
O00-O99**	Pregnancy, Childbirth and the Puerperium	1	4.7
O00-O08	Pregnancy with Abortive Outcome	1	4.7
O01	Hydatidiform Mole	1	4.7
P00-P96	Certain Conditions Originating in the Perinatal Period	90	4.9
P00-P04	Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	13	0.7
P01	Fetus and Newborn Affected by Maternal Complications of Pregnancy	7	0.4
P02	Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes	6	0.3
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	29	1.6
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	29	1.6
P10-P15	Birth Trauma	1	0.1
P15	Other Birth Injuries	1	0.1
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	19	1.0
P20	Intrauterine Hypoxia	1	0.1
P22	Respiratory Distress of Newborn	5	0.3
P24	Neonatal Aspiration Syndromes	1	0.1

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

Health Statistics Center, 2011

Causes of Resident Deaths: Number and Rate
West Virginia, 2009
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
P27	Chronic Respiratory Disease Originating in the Perinatal Period	1	0.1
P28	Other Respiratory Conditions Originating in the Perinatal Period	4	0.2
P29	Cardiovascular Disorders Originating in the Perinatal Period	7	0.4
P35-P39	Infections Specific to the Perinatal Period	9	0.5
P36	Bacterial Sepsis of Newborn	9	0.5
P50-P61	Hemorrhagic and Hematological Disorders of Fetus and Newborn	8	0.4
P52	Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	5	0.3
P55	Hemolytic Diseases of Fetus and Newborn	1	0.1
P60	Disseminated Intravascular Coagulation of Fetus and Newborn	1	0.1
P61	Other Perinatal Hematological Disorders	1	0.1
P75-P78	Digestive System Disorders of Fetus and Newborn	3	0.2
P77	Necrotizing Enterocolitis of Fetus and Newborn	2	0.1
P78	Other Perinatal Digestive System Disorders	1	0.1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus and Newborn	2	0.1
P83	Other Conditions of Integument Specific to Fetus and Newborn	2	0.1
P90-P96	Other Disorders Originating in the Perinatal Period	6	0.3
P91	Other Disturbances of Cerebral Status of Newborn	1	0.1
P96	Other Conditions Originating in the Perinatal Period	5	0.3
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	66	3.6
Q00-Q07	Congenital Malformations of the Nervous System	8	0.4
Q00	Anencephaly and Similar Malformations	2	0.1
Q01	Encephalocele	1	0.1
Q04	Other Congenital Malformations of Brain	3	0.2
Q05	Spina Bifida	2	0.1
Q20-Q28	Congenital Malformations of the Circulatory System	27	1.5
Q20	Congenital Malformations of Cardiac Chambers and Connections	1	0.1
Q21	Congenital Malformations of Cardiac Septa	6	0.3
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	1	0.1
Q23	Congenital Malformations of Aortic and Mitral Valves	10	0.5
Q24	Other Congenital Malformations of the Heart	7	0.4
Q25	Congenital Malformations of Great Arteries	1	0.1
Q26	Congenital Malformations of Great Veins	1	0.1
Q30-Q34	Congenital Malformations of the Respiratory System	2	0.1
Q33	Congenital Malformations of Lung	2	0.1
Q60-Q64	Congenital Malformations of the Urinary System	4	0.2
Q61	Cystic Kidney Disease	4	0.2
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	3	0.2
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	1	0.1
Q78	Other Osteochondrodysplasias	1	0.1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	1	0.1
Q80-Q89	Other Congenital Malformations	11	0.6
Q82	Other Congenital Malformations of Skin	1	0.1
Q86	Congenital Malformation Syndromes due to Known Exogenous Causes, Not Elsewhere Classified	1	0.1
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	3	0.2
Q89	Other Congenital Malformations, Not Elsewhere Classified	6	0.3
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	11	0.6
Q90	Down's Syndrome	6	0.3
Q91	Edwards' Syndrome and Patau's Syndrome	5	0.3
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	434	23.8
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	24	1.3
R06	Abnormalities of Breathing	1	0.1
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	23	1.3
R10-R19	Symptoms and Signs Involving the Digestive System and Abdomen	2	0.1
R18	Ascites	1	0.1
R19	Other Symptoms and Signs Involving the Digestive System and Abdomen	1	0.1
R25-R29	Symptoms and Signs Involving the Nervous and Musculoskeletal System	1	0.1
R29	Other Symptoms and Signs Involving the Nervous and Musculoskeletal System	1	0.1
R50-R69	General Symptoms and Signs	118	6.5
R53	Malaise and Fatigue	5	0.3
R54	Senility	30	1.6

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

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Health Statistics Center, 2011

Causes of Resident Deaths: Number and Rate
West Virginia, 2009
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
R56	Convulsions, Not Elsewhere Classified	13	0.7
R57	Shock, Not Elsewhere Classified	7	0.4
R62	Lack of Expected Normal Physiological Development	51	2.8
R63	Symptoms and Signs Concerning Food and Fluid Intake	2	0.1
R64	Cachexia	2	0.1
R68	Other General Symptoms and Signs	8	0.4
R90-R94	Abnormal Findings on Diagnostic Imaging and in Function Studies, without Diagnosis	7	0.4
R90	Abnormal Findings on Diagnostic Imaging of Central Nervous System	1	0.1
R91	Abnormal Findings on Diagnostic Imaging of Lung	6	0.3
R95-R99	Ill-Defined and Unknown Causes of Mortality	282	15.5
R95	Sudden Infant Death Syndrome	32	1.8
R99	Other Ill-Defined and Unspecified Causes of Mortality	250	13.7
V01-V98	External Causes of Morbidity and Mortality	1,713	94.1
V01-V99	Transport Accidents	387	21.3
V01-V09	Pedestrian Injured in Transport Accident	26	1.4
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	12	0.7
V04	Pedestrian Injured in Collision with Heavy Transport Vehicle or Bus	2	0.1
V05	Pedestrian Injured in Collision with Railway Train or Railway Vehicle	2	0.1
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	10	0.5
V10-V19	Pedal Cyclist Injured in Transport Accident	3	0.2
V15	Pedal Cyclist Injured in Collision with Railway Train or Railway Vehicle	1	0.1
V18	Pedal Cyclist Injured in Noncollision Transport Accident	2	0.1
V20-V29	Motorcycle Rider Injured in Transport Accident	23	1.3
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	7	0.4
V24	Motorcycle Rider Injured in Collision with Heavy Transport Vehicle or Bus	2	0.1
V25	Motorcycle Rider Injured in Collision with Railway Train or Railway Vehicle	1	0.1
V27	Motorcycle Rider Injured in Collision with Fixed or Stationary Object	1	0.1
V28	Motorcycle Rider Injured in Noncollision Transport Accident	8	0.4
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	4	0.2
V40-V49	Car Occupant Injured in Transport Accident	51	2.8
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	15	0.8
V44	Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus	3	0.2
V47	Car Occupant Injured in Collision with Fixed or Stationary Object	18	1.0
V48	Car Occupant Injured in Noncollision Transport Accident	10	0.5
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	5	0.3
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	8	0.4
V53	Occupant of Pickup or Van Injured in Collision with Car, Pickup Truck or Van	1	0.1
V54	Occupant of Pickup or Van Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V57	Occupant of Pickup or Van Injured in Collision with Fixed or Stationary Object	2	0.1
V58	Occupant of Pickup or Van Injured in Noncollision Transport Accident	4	0.2
V60-V69	Occupant of Heavy Transport Vehicle Injured in Transport Accident	3	0.2
V68	Occupant of Heavy Transport Vehicle Injured in Noncollision Transport Accident	3	0.2
V80-V89	Other Land Transport Accidents	263	14.5
V84	Occupant of Special Vehicle Mainly Used in Agriculture Injured in Transport Accident	3	0.2
V86	Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident	35	1.9
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	74	4.1
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	151	8.3
V90-V94	Water Transport Accidents	10	0.5
V90	Accident to Watercraft Causing Drowning and Submersion	6	0.3
V91	Accident to Watercraft Causing Other Injury	1	0.1
V92	Water-Transport-Related Drowning and Submersion without Accident to Watercraft	3	0.2
W00-X59	Other External Causes of Accidental Injury	748	41.1
W00-W19	Falls	180	9.9
W01	Fall on Same Level from Slipping, Tripping and Stumbling	5	0.3
W05	Fall Involving Wheelchair	5	0.3
W06	Fall Involving Bed	10	0.5
W07	Fall Involving Chair	6	0.3
W10	Fall on and from Stairs and Steps	25	1.4
W11	Fall on and from Ladder	4	0.2
W12	Fall on and from Scaffolding	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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Causes of Resident Deaths: Number and Rate
West Virginia, 2009
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
W13	Fall from, out of or through Building or Structure	5	0.3
W14	Fall from Tree	1	0.1
W15	Fall from Cliff	2	0.1
W17	Other Fall from One Level to Another	1	0.1
W18	Other Fall on Same Level	89	4.9
W19	Unspecified Fall	26	1.4
W20-W49	Exposure to Inanimate Mechanical Forces	33	1.8
W20	Struck by Thrown, Projected or Falling Object	11	0.6
W22	Striking against or Struck by Other Objects	1	0.1
W30	Contact with Agricultural Machinery	10	0.5
W31	Contact with Other and Unspecified Machinery	9	0.5
W34	Discharge from Other and Unspecified Firearms	2	0.1
W50-W64	Exposure to Animate Mechanical forces	3	0.2
W54	Bitten or Struck by Dog	2	0.1
W55	Bitten or Struck by Other Mammals	1	0.1
W65-W74	Accidental Drowning and Submersion	17	0.9
W65	Drowning and Submersion while in Bathtub	4	0.2
W67	Drowning and Submersion while in Swimming Pool	2	0.1
W69	Drowning and Submersion while in Natural Water	8	0.4
W70	Drowning and Submersion Following Fall in Natural Water	2	0.1
W74	Unspecified Drowning and Submersion	1	0.1
W75-W84	Other Accidental Threats to Breathing	60	3.3
W75	Accidental Suffocation and Strangulation in Bed	2	0.1
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	9	0.5
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	2	0.1
W84	Unspecified Threat to Breathing	45	2.5
W85-W99	Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure	3	0.2
W86	Exposure to Other Specified Electric Current	1	0.1
W87	Exposure to Unspecified Electric Current	2	0.1
X00-X09	Exposure to Smoke, Fire and Flames	21	1.2
X00	Exposure to Uncontrolled Fire in Building or Structure	1	0.1
X01	Exposure to Uncontrolled Fire, Not in Building or Structure	2	0.1
X04	Exposure to Ignition of Highly Flammable Material	2	0.1
X08	Exposure to Other Specified Smoke, Fire and Flames	15	0.8
X09	Exposure to Unspecified Smoke, Fire and Flames	1	0.1
X10-X19	Contact with Heat and Hot Substances	2	0.1
X10	Contact with Hot Drinks, Food, Fats and Cooking Oils	1	0.1
X16	Contact with Hot Heating Appliances, Radiators and Pipes	1	0.1
X20-X29	Contact with Venomous Animals and Plants	3	0.2
X23	Contact with Hornets, Wasps and Bees	3	0.2
X30-X39	Exposure to Forces of Nature	17	0.9
X30	Exposure to Excessive Natural Heat	1	0.1
X31	Exposure to Excessive Natural Cold	14	0.8
X37	Victim of Cataclysmic Storm	1	0.1
X38	Victim of Flood	1	0.1
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	394	21.7
X40	Accidental Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	1	0.1
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	10	0.5
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	100	5.5
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	269	14.8
X45	Accidental Poisoning by Alcohol	3	0.2
X46	Accidental Poisoning by Organic Solvents and Halogenated Hydrocarbons and Their Vapors	2	0.1
X47	Accidental Poisoning by Other Gases and Vapors	5	0.3
X49	Accidental Poisoning by Other and Unspecified Chemicals and Noxious Substances	4	0.2
X50-X57	Overexertion, Travel and Privation	1	0.1
X53	Lack of Food	1	0.1
X58-X59	Accidental Exposure to Other and Unspecified Factors	14	0.8
X59	Exposure to Unspecified Factors	14	0.8

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Causes of Resident Deaths: Number and Rate
West Virginia, 2009
Table 23 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
X60-X84	Intentional Self-Harm	288	15.8
X60	Intentional Self-Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	1	0.1
X61	Intentional Self-Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs	9	0.5
X62	Intentional Self-Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	3	0.2
X63	Intentional Self-Poisoning by Other Drugs Acting on the Autonomic Nervous System	1	0.1
X64	Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	19	1.0
X65	Intentional Self-Poisoning by Alcohol	1	0.1
X67	Intentional Self-Poisoning by Other Gases and Vapors	5	0.3
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	49	2.7
X71	Intentional Self-Harm by Drowning and Submersion	2	0.1
X72	Intentional Self-Harm by Handgun Discharge	79	4.3
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	50	2.7
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	61	3.4
X76	Intentional Self-Harm by Smoke, Fire and Flames	3	0.2
X78	Intentional Self-Harm by Sharp Object	1	0.1
X80	Intentional Self-Harm by Jumping from a High Place	1	0.1
X81	Intentional Self-Harm by Jumping or Lying Before a Moving Object	3	0.2
X85-Y09	Assault	99	5.4
X91	Assault by Hanging, Strangulation and Suffocation	1	0.1
X93	Assault by Handgun Discharge	7	0.4
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	9	0.5
X95	Assault by Other and Unspecified Firearm Discharge	41	2.3
X97	Assault by Smoke, Fire and Flames	5	0.3
X99	Assault by Sharp Object	16	0.9
Y00	Assault by Blunt Object	5	0.3
Y03	Assault by Crashing of Motor Vehicle	2	0.1
Y04	Assault by Bodily Force	4	0.2
Y06	Neglect and Abandonment	1	0.1
Y07	Other Maltreatment Syndromes	3	0.2
Y08	Assault by Other Specified Means	3	0.2
Y09	Assault by Unspecified Means	2	0.1
Y10-Y34	Event of Undetermined Intent	134	7.4
Y10	Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics, Undetermined Intent	2	0.1
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined Intent	9	0.5
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent	9	0.5
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	35	1.9
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	1	0.1
Y21	Drowning and Submersion, Undetermined Intent	4	0.2
Y24	Other and Unspecified Firearm Discharge, Undetermined Intent	2	0.1
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	24	1.3
Y31	Falling, Lying or Running Before or into Moving Object, Undetermined Intent	2	0.1
Y32	Crashing of Motor Vehicle, Undetermined Intent	2	0.1
Y33	Other Specified Events, Undetermined Intent	19	1.0
Y34	Unspecified Event, Undetermined Intent	25	1.4
Y35-Y36	Legal Intervention and Operations of War	3	0.2
Y35	Legal Intervention	3	0.2
Y40-Y84	Complications of Medical and Surgical Care	38	2.1
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	3	0.2
Y40	Systemic Antibiotics	1	0.1
Y43	Primarily Systemic Agents	1	0.1
Y45	Analgesics, Antipyretics and Anti-Inflammatory Drugs	1	0.1
Y60-Y69	Misadventures to Patients during Surgical and Medical Care	1	0.1
Y60	Unintentional Cut, Puncture, Perforation or Hemorrhage during Surgical and Medical Care	1	0.1
Y70-Y82	Medical Devices Associated with Adverse Incidents in Diagnostic and Therapeutic Use	1	0.1
Y70	Anesthesiology Devices Associated with Adverse Incidents	1	0.1
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	33	1.8
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	28	1.5
Y84	Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	5	0.3
Y85-Y89	Sequelae of External Causes of Morbidity and Mortality	16	0.9
Y85	Sequelae of Transport Accidents	9	0.5
Y86	Sequelae of Other Accidents	6	0.3
Y88	Sequelae of Surgical and Medical Care as External Cause	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, 2009
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	60	50	4	6	0	1	121
Total Deaths, All Causes	10,406	10,277	314	330	24	34	21,385
--Deaths Under One Year	80	69	7	10	0	1	167
--Deaths Under 28 Days	48	54	5	6	0	0	113
Tuberculosis	0	1	0	0	1	0	2
Septicemia	148	187	4	9	2	1	351
Human Immunodeficiency Virus Infection	12	2	5	5	0	0	24
Malignant Neoplasms	2,495	2,158	63	59	5	12	4,792
--of Digestive Organs	560	454	16	18	1	5	1,054
----Colon	186	181	7	8	1	2	385
----Pancreas	107	120	0	4	0	1	232
--of Respiratory and Intrathoracic Organs	885	689	25	17	2	2	1,620
----Trachea, Bronchus, and Lung	852	676	25	16	2	2	1,573
--of Breast	1	276	0	6	0	1	284
--of Genitourinary Organs	354	269	11	9	1	1	645
----Cervix Uteri	0	33	0	1	0	0	34
----Ovary	0	110	0	3	0	1	114
----Prostate	213	0	10	0	0	0	223
----Bladder	66	23	1	1	0	0	91
--All Other (Malignant Neoplasms)	695	470	11	9	1	3	1,189
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	53	64	0	3	0	0	120
Diabetes Mellitus	383	338	22	12	1	1	757
Dementia	212	499	6	15	0	3	735
Alzheimer's Disease	152	394	2	10	0	0	558
Major Cardiovascular Disease	3,113	3,337	99	111	9	8	6,677
--Diseases of the Heart	2,478	2,446	72	88	9	4	5,097
----Ischemic Heart Disease	1,724	1,478	49	58	7	1	3,317
--Essential Hypertension and Hypertensive Renal Disease	100	129	7	3	0	0	239
--Cerebrovascular Diseases (Stroke)	412	645	18	15	0	3	1,093
--Arteriosclerosis	21	42	0	2	0	0	65
--Other Diseases of Arteries, Arterioles, and Capillaries	102	75	2	3	0	1	183
Influenza and Pneumonia	183	209	2	7	0	0	401
--Influenza	6	6	0	1	0	0	13
--Pneumonia	177	203	2	6	0	0	388
Chronic Lower Respiratory Diseases	706	795	7	8	2	1	1,519
--Bronchitis, Emphysema, and Asthma	53	62	1	2	0	0	118
Lung Diseases due to External Agents	145	45	4	1	0	0	195
--Coal Worker's Pneumoconiosis	61	0	1	0	0	0	62
Chronic Liver Disease and Cirrhosis	152	81	11	2	0	0	246
Nephritis, Nephrotic Syndrome, and Nephrosis	224	231	8	12	1	0	476
Congenital Malformations	31	22	3	10	0	0	66
Ill-Defined and Unknown Causes of Death	134	135	5	6	0	2	282
Accidents, All Forms	755	359	23	11	2	0	1,150
--Motor Vehicle	257	96	9	4	2	0	368
--Falls	96	80	3	1	0	0	180
--Drownings	13	4	0	0	0	0	17
--Smoke, Fire, and Flames	14	7	0	0	0	0	21
--Poisonings	266	119	6	3	0	0	394
--Other Accidents	109	53	5	3	0	0	170
Intentional Self-Harm (Suicide)	231	52	4	1	0	0	288
Assault (Homicide)	63	26	8	2	0	0	99
Injury Undetermined Whether Accidental or Purposely Inflicted	66	62	5	1	0	0	134
All Other Causes (Residual)	1,148	1,280	33	45	1	6	2,513

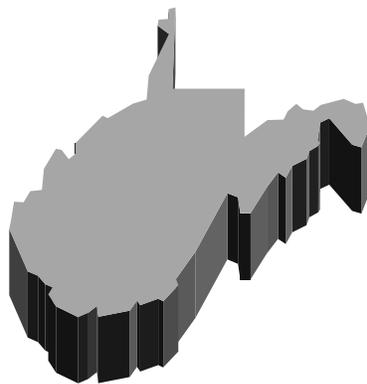
Selected Causes of Resident Deaths by Age Group
West Virginia, 2009
Table 25

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	21,385	167	66	211	393	677	1,638	2,831	3,998	5,710	5,694	72.1
--Deaths Under One Year	167	167	0	0	0	0	0	0	0	0	0	0.1
--Deaths Under 28 Days	113	113	0	0	0	0	0	0	0	0	0	0.1
Tuberculosis	2	0	0	0	0	0	0	0	0	1	1	84.0
Septicemia	351	1	0	0	2	9	23	53	82	99	82	73.1
Human Immunodeficiency Virus Infection	24	0	0	0	2	11	5	5	1	0	0	47.3
Malignant Neoplasms	4,792	0	10	13	33	91	419	940	1,307	1,322	657	70.3
--of Digestive Organs	1,054	0	0	2	7	18	91	211	277	285	163	70.8
----Colon	385	0	0	1	4	7	23	63	102	118	67	72.4
----Pancreas	232	0	0	0	0	0	22	55	66	54	35	70.4
--of Respiratory and Intrathoracic Organs	1,620	0	0	0	4	14	155	355	525	427	140	69.4
----Trachea, Bronchus, and Lung	1,573	0	0	0	4	13	150	343	510	416	137	69.4
--of Breast	284	0	0	0	1	15	35	53	64	72	44	69.3
--of Genitourinary Organs	645	0	1	2	5	15	42	99	158	193	130	72.6
----Cervix Uteri	34	0	0	0	2	6	6	11	4	4	1	57.3
----Ovary	114	0	0	0	1	2	11	22	24	33	21	71.0
----Prostate	223	0	0	0	0	0	5	21	58	78	61	77.4
----Bladder	91	0	0	0	0	0	3	14	29	26	19	74.7
--All Other (Malignant Neoplasms)	1,189	0	9	9	16	29	96	222	283	345	180	70.0
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	120	0	2	1	0	2	7	12	22	41	33	74.5
Diabetes Mellitus	757	0	0	0	4	24	58	153	169	197	152	71.7
Dementia	735	0	0	0	0	0	1	4	46	205	479	86.4
Alzheimer's Disease	558	0	0	0	0	0	2	1	34	179	342	85.9
Major Cardiovascular Disease	6,677	0	3	4	24	119	362	712	1,091	1,955	2,407	77.3
--Diseases of the Heart	5,097	0	3	3	21	102	293	560	824	1,481	1,810	77.0
----Ischemic Heart Disease	3,317	0	0	2	12	72	223	401	587	979	1,041	75.9
--Essential Hypertension and Hypertensive Renal Disease	239	0	0	0	1	4	9	28	37	70	90	78.2
--Cerebrovascular Diseases (Stroke)	1,093	0	0	1	2	10	54	97	174	341	414	78.3
--Arteriosclerosis	65	0	0	0	0	0	1	4	8	10	42	84.9
--Other Diseases of Arteries, Arterioles, and Capillaries	183	0	0	0	0	3	5	23	48	53	51	76.0
Influenza and Pneumonia	401	2	1	3	6	8	22	23	68	112	156	77.3
--Influenza	13	0	1	1	2	1	1	3	1	2	1	52.0
--Pneumonia	388	2	0	2	4	7	21	20	67	110	155	78.1
Chronic Lower Respiratory Diseases	1,519	1	1	1	3	8	70	181	408	521	325	74.9
--Bronchitis, Emphysema, and Asthma	118	1	1	1	3	2	11	15	34	30	20	69.6
Lung Diseases due to External Agents	195	0	0	0	0	2	2	26	32	66	67	78.5
--Coal Worker's Pneumoconiosis	62	0	0	0	0	1	1	8	10	24	18	77.3
Chronic Liver Disease and Cirrhosis	246	0	0	0	5	16	60	72	50	37	6	60.7
Nephritis, Nephrotic Syndrome, and Nephrosis	476	1	0	0	5	6	19	57	101	146	141	75.8
Congenital Malformations	66	28	10	4	2	6	5	5	3	2	1	21.4
Ill-Defined and Unknown Causes of Death	282	32	2	4	5	6	25	60	31	55	62	62.2
Accidents, All Forms	1,150	3	16	119	172	172	226	120	93	117	112	50.9
--Motor Vehicle	368	0	8	83	56	60	54	50	24	18	15	43.0
--Falls	180	0	0	1	1	5	9	12	33	52	67	77.1
--Drownings	17	0	3	2	5	3	1	0	2	1	0	35.5
--Smoke, Fire, and Flames	21	0	2	0	2	1	3	1	5	6	1	57.9
--Poisonings	394	0	1	26	98	97	132	29	7	3	1	41.1
--Other Accidents	170	3	2	7	10	6	27	28	22	37	28	63.4
Intentional Self-Harm (Suicide)	288	0	2	29	55	49	58	47	24	18	6	46.7
Assault (Homicide)	99	1	5	14	23	21	12	9	9	3	2	40.7
Injury Undetermined Whether Accidental or Purposely Inflicted	134	5	5	9	15	31	28	24	13	3	1	43.5
All Other Causes (Residual)	2,513	93	9	10	37	96	234	327	414	631	662	69.7

Selected Causes of Resident Deaths by Month of Occurrence
West Virginia, 2009
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	9	11	10	8	13	10	10	8	12	9	9	12	121
Total Deaths, All Causes	1,973	1,723	1,927	1,914	1,700	1,626	1,633	1,695	1,692	1,802	1,787	1,913	21,385
--Deaths Under One Year	11	8	15	17	9	19	18	19	13	12	12	14	167
--Deaths Under 28 Days	7	5	9	14	6	16	10	11	9	9	10	7	113
Tuberculosis	0	0	0	1	0	1	0	0	0	0	0	0	2
Septicemia	40	27	38	28	35	27	24	26	27	29	25	25	351
Human Immunodeficiency Virus Infection	5	0	6	0	2	2	2	3	2	0	0	2	24
Malignant Neoplasms	420	347	439	414	369	386	406	391	402	424	388	406	4,792
--of Digestive Organs	89	75	102	87	66	81	87	87	99	110	82	89	1,054
----Colon	34	33	42	35	19	29	27	31	42	36	27	30	385
----Pancreas	20	20	19	17	17	20	18	15	17	30	20	19	232
--of Respiratory and Intrathoracic Organs	139	137	146	141	129	135	148	122	129	131	144	119	1,620
----Trachea, Bronchus, and Lung	134	135	142	138	125	131	144	116	125	129	138	116	1,573
--of Breast	21	20	23	25	25	16	17	30	29	31	23	24	284
--of Genitourinary Organs	60	38	58	55	54	45	59	46	61	48	56	65	645
----Cervix Uteri	6	5	5	2	3	2	1	1	3	1	2	3	34
----Ovary	11	4	11	5	8	14	9	8	14	12	10	8	114
----Prostate	16	11	24	17	25	11	22	12	21	20	19	25	223
----Bladder	12	6	5	10	6	7	9	12	7	3	5	9	91
--All Other (Malignant Neoplasms)	111	77	110	106	95	109	95	106	84	104	83	109	1,189
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	9	8	14	11	11	14	10	9	8	11	8	7	120
Diabetes Mellitus	79	55	60	69	56	57	76	54	59	65	60	67	757
Dementia	76	59	71	71	58	46	54	46	61	63	62	68	735
Alzheimer's Disease	55	50	47	51	34	32	41	52	43	36	53	64	558
Major Cardiovascular Disease	627	584	594	616	547	494	515	538	493	517	537	615	6,677
--Diseases of the Heart	485	447	462	470	419	377	384	402	382	406	401	462	5,097
----Ischemic Heart Disease	300	303	308	321	291	240	259	258	224	257	256	300	3,317
--Essential Hypertension and Hypertensive Renal Disease	15	20	19	23	15	26	16	30	10	17	22	26	239
--Cerebrovascular Diseases (Stroke)	104	98	89	97	95	74	97	81	79	76	96	107	1,093
--Arteriosclerosis	7	6	7	4	6	4	5	7	6	4	6	3	65
--Other Diseases of Arteries, Arterioles, and Capillaries	16	13	17	22	12	13	13	18	16	14	12	17	183
Influenza and Pneumonia	32	37	35	30	33	29	22	24	32	30	49	48	401
--Influenza	0	0	1	1	1	0	0	0	0	3	6	1	13
--Pneumonia	32	37	34	29	32	29	22	24	32	27	43	47	388
Chronic Lower Respiratory Diseases	137	125	161	147	128	109	93	108	105	126	125	155	1,519
--Bronchitis, Emphysema, and Asthma	12	12	16	14	11	4	6	5	7	13	8	10	118
Lung Diseases due to External Agents	26	18	8	22	11	12	12	22	14	18	20	12	195
--Coal Worker's Pneumoconiosis	8	6	3	8	3	5	4	8	5	4	3	5	62
Chronic Liver Disease and Cirrhosis	19	16	26	18	25	19	16	20	14	28	22	23	246
Nephritis, Nephrotic Syndrome, and Nephrosis	52	37	40	43	42	37	26	42	30	39	35	53	476
Congenital Malformations	4	4	11	6	5	6	6	9	6	1	6	2	66
Ill-Defined and Unknown Causes of Death	18	17	18	24	22	18	26	19	28	33	26	33	282
Accidents, All Forms	98	89	109	112	70	99	98	98	104	98	85	90	1,150
--Motor Vehicle	35	32	26	37	27	40	33	21	36	30	30	21	368
--Falls	13	17	18	22	10	9	23	15	9	16	12	16	180
--Drownings	0	0	1	0	1	3	4	4	1	1	0	2	17
--Smoke, Fire, and Flames	1	1	3	1	2	0	1	2	2	2	1	5	21
--Poisonings	34	25	37	33	21	31	28	35	45	35	39	31	394
--Other Accidents	15	14	24	19	9	16	9	21	11	14	3	15	170
Intentional Self-Harm (Suicide)	25	21	24	22	28	32	23	20	27	21	20	25	288
Assault (Homicide)	10	4	4	8	5	9	12	11	12	10	5	9	99
Injury Undetermined Whether Accidental or Purposely Inflicted	12	11	10	12	11	10	13	8	9	15	11	12	134
All Other Causes (Residual)	229	214	212	209	208	187	158	195	216	238	250	197	2,513

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West Virginia Vital Statistics
Infant & Fetal Death

Infant and Fetal Death Summary

Deaths of infants under one year of age rose by one, from 166 in 2008 to 167 in 2009. West Virginia's infant mortality rate also rose slightly, from 7.7 per 1,000 live births in 2008 to 7.8 in 2009. The preliminary U.S. infant mortality was 6.4 in 2009.

The following table shows the decline in the national and state infant mortality rates from 1950 through 2009.

1950 – 2009 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	6.6
2009	7.8	6.4

The state's 2009 white infant mortality rate increased slightly from 7.3 in 2008 to 7.4, while the rate for black infants decreased slightly from 20.9 to 20.6 (see Statistical Variation in Appendix B, page 155). West Virginia's 2009 race-specific infant mortality rates and comparable U.S. rates are shown in the table on the following page.

**2009 West Virginia and United States
Infant Mortality by Race
(Number and Rate per 1,000 Live Births)**

Race of Infant	West Virginia		United States	
	Number	Rate	Number	Rate
All Races	167	7.8	26,531	6.6
White	149	7.4	16,897	5.3
Black	17	20.6	8,356	12.7
Other	1	4.3	1,278	4.1

Approximately one out of five (18.6%) infant deaths in 2009 were due to SIDS (sudden infant death syndrome). Approximately one in six (16.8%) was the result of congenital malformations, while 53.9% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (17.4%).

Neonatal/Postneonatal Deaths

The number of neonatal deaths rose by 17, from 96 in 2008 to 113 in 2009; the neonatal death rate also increased, from 4.5 deaths among infants aged less than 28 days per 1,000 live births in 2008 to 5.3 in 2009. Neonatal deaths comprised 67.7% of all West Virginia resident infant deaths in 2009, compared with 57.8% in 2008. The rate of postneonatal deaths decreased from 3.3 deaths per 1,000 neonatal survivors in 2008 to 2.6 in 2009. The 2009 preliminary U.S. neonatal death rate was 4.2, while the postneonatal rate was 2.2 deaths per 1,000 neonatal survivors.

Fetal Deaths

The 121 resident fetal deaths occurring after 20 or more weeks of gestation reported in 2009 were 27 more than in 2008 (94). The fetal death ratio also increased, from 4.4 deaths per 1,000 live births in 2008 to 5.7 in 2009. The majority (92.6%) of fetal deaths were due to conditions originating in the perinatal period, including complications of placenta, cord, and membrane (29.8%), maternal conditions (4.1%), maternal complications (8.3%), short gestation and low birthweight (5.8%), and other ill-defined perinatal conditions (32.2%). Congenital malformations accounted for 5.0% of all fetal deaths.

Fetal Deaths, Neonatal Deaths, and Postneonatal Deaths: Number and Rate/Ratio
West Virginia Resident Deaths, 1925-2009

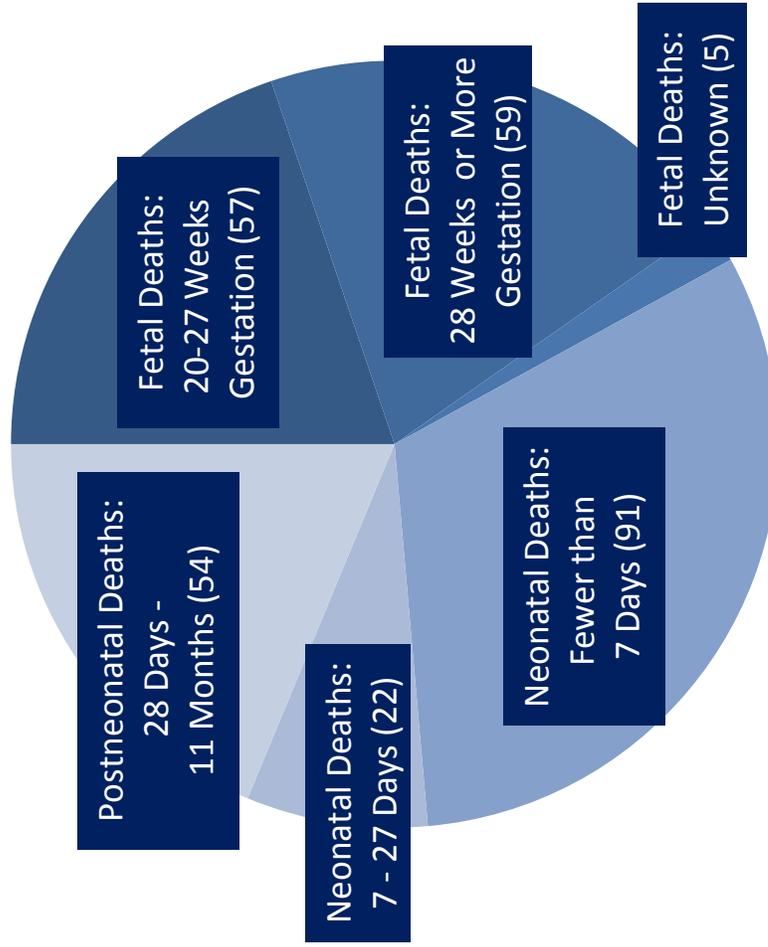
Table 27

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
2009	121	5.7	113	5.3	54	2.5	2.6

*Neonatal survivors are live births minus neonatal deaths.

Fetal Deaths, Neonatal Deaths, and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2009

Exhibit 14



Causes of Resident Infant Deaths by Age
West Virginia, 2009
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	68	23	22	54	167
A00-B99	Certain Infectious and Parasitic Diseases	0	0	0	1	1
A30-A49	Other Bacterial Diseases	0	0	0	1	1
A41	Other Septicemia	0	0	0	1	1
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	0	0	0	1	1
D60-D64	Aplastic and Other Anemias	0	0	0	1	1
D64	Other Anemias	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
J00-J99	Diseases of the Respiratory System	0	0	0	3	3
J09-J18	Influenza and Pneumonia	0	0	0	2	2
J18	Pneumonia, Organism Unspecified	0	0	0	2	2
J40-J47	Chronic Lower Respiratory Diseases	0	0	0	1	1
J45	Asthma	0	0	0	1	1
N00-N99	Diseases of the Genitourinary System	0	0	0	1	1
N17-N19	Renal Failure	0	0	0	1	1
N19	Unspecified Renal Failure	0	0	0	1	1
P00-P96	Certain Conditions Originating in the Perinatal Period	60	13	13	4	90
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	12	1	0	0	13
P01	Newborn Affected by Maternal Complications of Pregnancy	7	0	0	0	7
P01.1	Premature Rupture of Membranes	4	0	0	0	4
P01.2	Oligohydramnios	1	0	0	0	1
P01.5	Multiple Pregnancy	2	0	0	0	2
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	5	1	0	0	6
P02.1	Other Forms of Placenta Separation and Hemorrhage	2	1	0	0	3
P02.3	Placental Transfusion Syndromes	1	0	0	0	1
P02.7	Chorioamnionitis	2	0	0	0	2
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	29	0	0	0	29
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	29	0	0	0	29
P07.2	Extreme Immaturity	12	0	0	0	12
P07.3	Other Preterm Infants	17	0	0	0	17
P10-P15	Birth Trauma	0	0	0	1	1
P15	Other Birth Injuries	0	0	0	1	1
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	12	4	1	2	19
P20	Intrauterine Hypoxia	0	1	0	0	1
P22	Respiratory Distress of Newborn	3	1	1	0	5
P22.0	Respiratory Distress Syndrome	1	1	0	0	2
P22.9	Respiratory Distress of Newborn, Unspecified	2	0	1	0	3
P24	Neonatal Aspiration Syndromes	0	1	0	0	1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	0	0	0	1	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	3	1	0	0	4
P29	Cardiovascular Disorders Originating in the Perinatal Period	6	0	0	1	7
P29.0	Neonatal Cardiac Failure	2	0	0	0	2
P29.1	Neonatal Cardiac Dysrhythmia	2	0	0	0	2
P29.3	Persistent Fetal Circulation	1	0	0	0	1
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	1	0	0	1	2
P35-P39	Infections Specific to the Perinatal Period	1	3	5	0	9
P36	Bacterial Sepsis of Newborn	1	3	5	0	9

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Causes of Resident Infant Deaths by Age
West Virginia, 2009
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
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	3	4	1	0	8
P52	Intracranial Nontraumatic Hemorrhage of Newborn	2	2	1	0	5
P55	Hemolytic Diseases of Newborn	1	0	0	0	1
P60	Disseminated Intravascular Coagulation of Newborn	0	1	0	0	1
P61	Other Perinatal Hematological Disorders	0	1	0	0	1
P75-P78	Digestive System Disorders of Newborn	0	0	3	0	3
P77	Necrotizing Enterocolitis of Newborn	0	0	2	0	2
P78	Other Perinatal Digestive System Disorders	0	0	1	0	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Newborn	2	0	0	0	2
P83	Other Conditions of Integument Specific to Newborn	2	0	0	0	2
P90-P96	Other Disorders Originating in the Perinatal Period	1	1	3	1	6
P91	Other Disturbances of Cerebral Status of Newborn	0	1	0	0	1
P96	Other Conditions Originating in the Perinatal Period	1	0	3	1	5
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	8	8	4	8	28
Q00-Q07	Congenital Malformations of the Nervous System	1	1	1	1	4
Q00	Anencephaly and Similar Malformations	1	0	1	0	2
Q04	Other Congenital Malformations of Brain	0	0	0	1	1
Q05	Spina Bifida	0	1	0	0	1
Q20-Q28	Congenital Malformations of the Circulatory System	0	4	2	6	12
Q20	Congenital Malformations of Cardiac Chambers and Connections	0	1	0	0	1
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	1	0	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	1	1	3	5
Q24	Other Congenital Malformations of the Heart	0	1	1	2	4
Q26	Congenital Malformations of Great Veins	0	0	0	1	1
Q30-Q34	Congenital Malformations of the Respiratory System	2	0	0	0	2
Q33	Congenital Malformations of Lung	2	0	0	0	2
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	0	1	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	0	1	0	1
Q80-Q89	Other Congenital Malformations	5	1	0	0	6
Q89	Other Congenital Malformations, Not Elsewhere Classified	5	1	0	0	6
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	2	0	1	3
Q91	Edwards' Syndrome and Patau's Syndrome	0	2	0	1	3
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	1	4	27	32
R95-R99	Ill-Defined and Unknown Causes of Mortality	0	1	4	27	32
R95	Sudden Infant Death Syndrome	0	0	4	27	31
R99	Other Ill-Defined and Unspecified Causes of Mortality	0	1	0	0	1
V01-Y98	External Causes of Morbidity and Mortality	0	1	1	8	10
W00-X59	Other External Causes of Accidental Injury	0	1	1	1	3
W50-W64	Exposure to Animate Mechanical forces	0	1	0	0	1
W54	Bitten or Struck by Dog	0	1	0	0	1
W75-W84	Other Accidental Threats to Breathing	0	0	1	1	2
W75	Accidental Suffocation and Strangulation in Bed	0	0	1	1	2
X85-Y09	Assault	0	0	0	1	1
Y08	Assault by Other Specified Means	0	0	0	1	1
Y10-Y34	Event of Undetermined Intent	0	0	0	5	5
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	0	0	0	1	1
Y33	Other Specified Events, Undetermined Intent	0	0	0	3	3
Y34	Unspecified Event, Undetermined Intent	0	0	0	1	1
Y40-Y84	Complications of Medical and Surgical Care	0	0	0	1	1
Y70-Y82	Medical Devices Associated with Adverse Incidents in Diagnostic and Therapeutic Use	0	0	0	1	1
Y70	Anesthesiology Devices Associated with Adverse Incidents	0	0	0	1	1

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Causes of Resident Infant Deaths by Birthweight
West Virginia, 2009
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	75	20	71	1	167
A00-B99	Certain Infectious and Parasitic Diseases	1	0	0	0	1
A30-A49	Other Bacterial Diseases	1	0	0	0	1
A41	Other Septicemia	1	0	0	0	1
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	0	0	1	0	1
D60-D64	Aplastic and Other Anemias	0	0	1	0	1
D64	Other Anemias	0	0	1	0	1
G00-G99	Diseases of the Nervous System	0	1	0	0	1
G10-G13	Systemic Atrophies Primarily Affecting the Central Nervous System	0	1	0	0	1
G12	Spinal Muscular Atrophy and Related Syndromes	0	1	0	0	1
J00-J99	Diseases of the Respiratory System	1	0	2	0	3
J09-J18	Influenza and Pneumonia	1	0	1	0	2
J18	Pneumonia, Organism Unspecified	1	0	1	0	2
J40-J47	Chronic Lower Respiratory Diseases	0	0	1	0	1
J45	Asthma	0	0	1	0	1
N00-N99	Diseases of the Genitourinary System	1	0	0	0	1
N17-N19	Renal Failure	1	0	0	0	1
N19	Unspecified Renal Failure	1	0	0	0	1
P00-P96	Certain Conditions Originating in the Perinatal Period	68	8	13	1	90
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	12	0	0	1	13
P01	Newborn Affected by Maternal Complications of Pregnancy	6	0	0	1	7
P01.1	Premature Rupture of Membranes	3	0	0	1	4
P01.2	Oligohydramnios	1	0	0	0	1
P01.5	Multiple Pregnancy	2	0	0	0	2
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	6	0	0	0	6
P02.1	Other Forms of Placenta Separation and Hemorrhage	3	0	0	0	3
P02.3	Placental Transfusion Syndromes	1	0	0	0	1
P02.7	Chorioamnionitis	2	0	0	0	2
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	28	0	1	0	29
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	28	0	1	0	29
P07.2	Extreme Immaturity	12	0	0	0	12
P07.3	Other Preterm Infants	16	0	1	0	17
P10-P15	Birth Trauma	0	0	1	0	1
P15	Other Birth Injuries	0	0	1	0	1
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	16	2	1	0	19
P20	Intrauterine Hypoxia	1	0	0	0	1
P22	Respiratory Distress of Newborn	5	0	0	0	5
P22.0	Respiratory Distress Syndrome	2	0	0	0	2
P22.9	Respiratory Distress of Newborn, Unspecified	3	0	0	0	3
P24	Neonatal Aspiration Syndromes	0	1	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	3	1	0	0	4
P29	Cardiovascular Disorders Originating in the Perinatal Period	6	0	1	0	7
P29.0	Neonatal Cardiac Failure	2	0	0	0	2
P29.1	Neonatal Cardiac Dysrhythmia	2	0	0	0	2
P29.3	Persistent Fetal Circulation	0	0	1	0	1
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	2	0	0	0	2
P35-P39	Infections Specific to the Perinatal Period	4	3	2	0	9
P36	Bacterial Sepsis of Newborn	4	3	2	0	9

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Causes of Resident Infant Deaths by Birthweight
West Virginia, 2009
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	
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	4	1	3	0	8
P52	Intracranial Nontraumatic Hemorrhage of Newborn	3	0	2	0	5
P55	Hemolytic Diseases of Newborn	0	1	0	0	1
P60	Disseminated Intravascular Coagulation of Newborn	0	0	1	0	1
P61	Other Perinatal Hematological Disorders	1	0	0	0	1
P75-P78	Digestive System Disorders of Newborn	3	0	0	0	3
P77	Necrotizing Enterocolitis of Newborn	2	0	0	0	2
P78	Other Perinatal Digestive System Disorders	1	0	0	0	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Newborn	0	0	2	0	2
P83	Other Conditions of Integument Specific to Newborn	0	0	2	0	2
P90-P96	Other Disorders Originating in the Perinatal Period	1	2	3	0	6
P91	Other Disturbances of Cerebral Status of Newborn	0	1	0	0	1
P96	Other Conditions Originating in the Perinatal Period	1	1	3	0	5
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	2	8	18	0	28
Q00-Q07	Congenital Malformations of the Nervous System	0	2	2	0	4
Q00	Anencephaly and Similar Malformations	0	2	0	0	2
Q04	Other Congenital Malformations of Brain	0	0	1	0	1
Q05	Spina Bifida	0	0	1	0	1
Q20-Q28	Congenital Malformations of the Circulatory System	0	1	11	0	12
Q20	Congenital Malformations of Cardiac Chambers and Connections	0	0	1	0	1
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	0	1	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	0	5	0	5
Q24	Other Congenital Malformations of the Heart	0	1	3	0	4
Q26	Congenital Malformations of Great Veins	0	0	1	0	1
Q30-Q34	Congenital Malformations of the Respiratory System	1	0	1	0	2
Q33	Congenital Malformations of Lung	1	0	1	0	2
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	1	0	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	1	0	0	1
Q80-Q89	Other Congenital Malformations	1	2	3	0	6
Q89	Other Congenital Malformations, Not Elsewhere Classified	1	2	3	0	6
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	2	1	0	3
Q91	Edwards' Syndrome and Patau's Syndrome	0	2	1	0	3
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	2	2	28	0	32
R95-R99	Ill-Defined and Unknown Causes of Mortality	2	2	28	0	32
R95	Sudden Infant Death Syndrome	2	2	27	0	31
R99	Other Ill-Defined and Unspecified Causes of Mortality	0	0	1	0	1
V01-Y98	External Causes of Morbidity and Mortality	0	1	9	0	10
W00-X59	Other External Causes of Accidental Injury	0	0	3	0	3
W50-W64	Exposure to Animate Mechanical forces	0	0	1	0	1
W54	Bitten or Struck by Dog	0	0	1	0	1
W75-W84	Other Accidental Threats to Breathing	0	0	2	0	2
W75	Accidental Suffocation and Strangulation in Bed	0	0	2	0	2
X85-Y09	Assault	0	1	0	0	1
Y08	Assault by Other Specified Means	0	1	0	0	1
Y10-Y34	Event of Undetermined Intent	0	0	5	0	5
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	0	0	1	0	1
Y33	Other Specified Events, Undetermined Intent	0	0	3	0	3
Y34	Unspecified Event, Undetermined Intent	0	0	1	0	1
Y40-Y84	Complications of Medical and Surgical Care	0	0	1	0	1
Y70-Y82	Medical Devices Associated with Adverse Incidents in Diagnostic and Therapeutic Use	0	0	1	0	1
Y70	Anesthesiology Devices Associated with Adverse Incidents	0	0	1	0	1

West Virginia Bureau for Public Health
Health Statistics Center, 2011

**Births and Infant Deaths by Selected Risk Factors
and Demographics
West Virginia Residents, 2009**

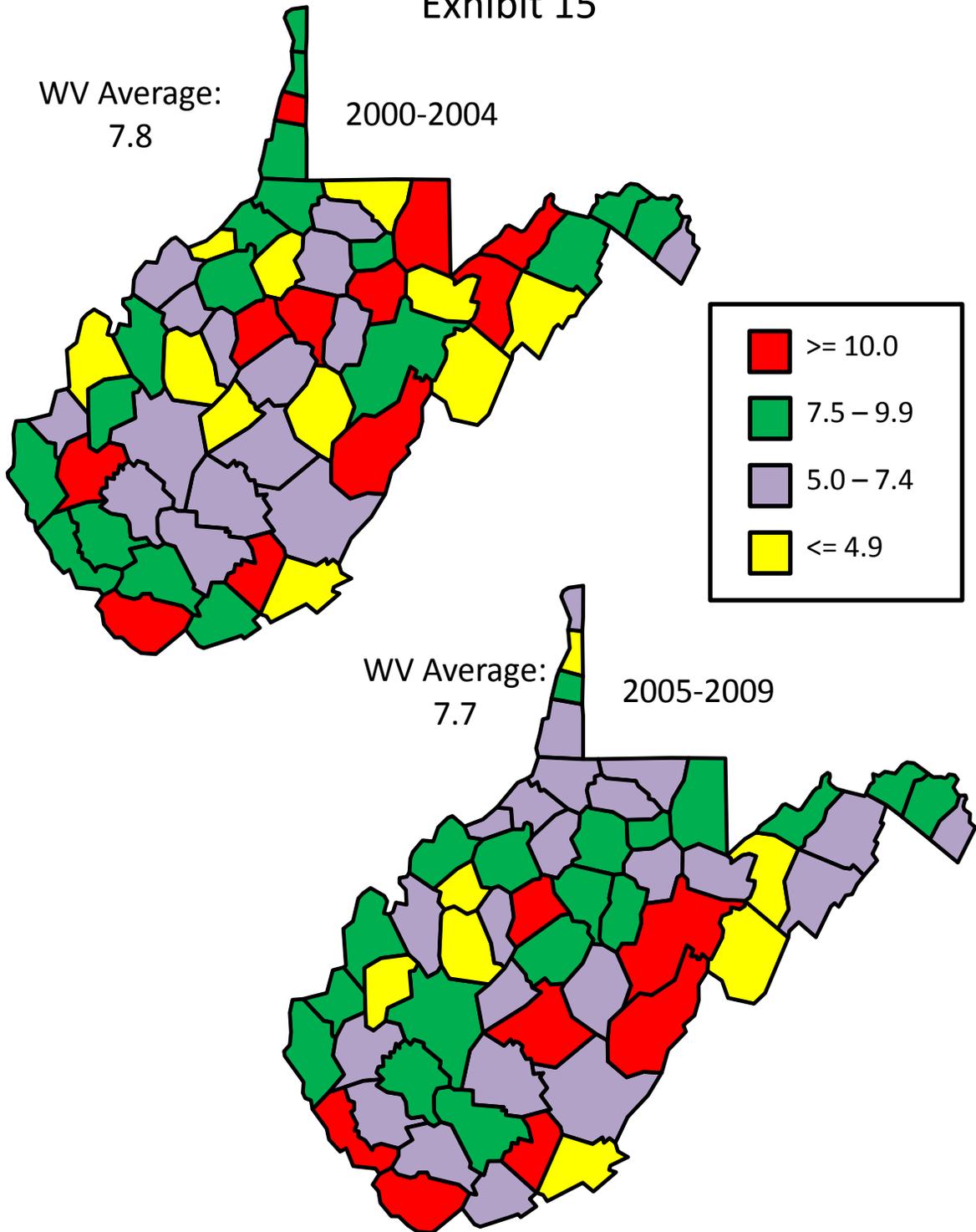
Table 30

Factor	Births		Infant Deaths	
	Number	Percent	Number	Percent
Total	21,275		167	
Birthweight < 2,500 Grams	1,957	9.2%	95	57.2%
Birthweight < 1,500 Grams	319	1.5%	75	45.2%
Gestational Age < 37 Weeks	2,302	10.8%	101	60.5%
Gestational Age 37-38 Weeks	6,240	29.4%	30	18.0%
Gestational Age 39+ Weeks	12,682	59.8%	36	21.6%
Age of Mother < 20 Years	2,850	13.4%	25	15.0%
Age of Mother < 15 Years	22	0.1%	0	0.0%
Unmarried Mothers	9,260	43.6%	98	58.7%
Mothers Using Tobacco	5,774	27.2%	67	40.6%
Mothers Using Alcohol	57	0.3%	1	0.6%
White or Caucasian Mothers	20,181	95.0%	155	93.9%
Black or African American Mothers	824	3.9%	9	5.5%
Mothers of Other Races	233	1.1%	1	0.6%
Mothers of Unknown Race	37		2	

Percentages are calculated excluding unknown numbers

Resident Infant Death Rates by County West Virginia, 2000-2004 and 2005-2009

Exhibit 15



Causes of Resident Fetal Deaths
West Virginia, 2005-2009
Table 31

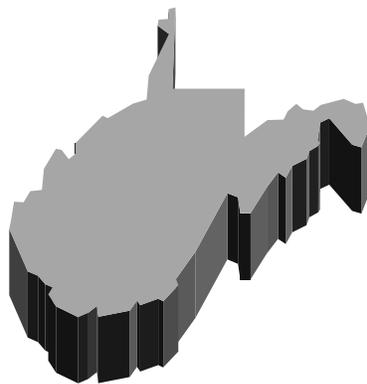
ICDA 10 Code	Cause of Death	2005	2006	2007	2008	2009
A00-Z99*	Total Deaths, All Causes	115	120	116	94	121
C00-D48	Neoplasms	0	0	2	0	2
D10-D36	Benign Neoplasms	0	0	2	0	2
D18	Hemangioma and Lymphangioma, Any Site	0	0	2	0	2
P00-P96	Certain Conditions Originating in the Perinatal Period	104	110	106	84	112
P00-P04	Fetus Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	58	62	57	51	56
P00	Fetus Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	5	2	3	6	5
P00.0	Maternal Hypertensive Disorders	4	2	2	4	3
P00.5	Maternal Injury	1	0	0	1	1
P00.7	Other Medical Procedures on Mother, Not Elsewhere Classified	0	0	1	0	0
P00.8	Other Maternal Conditions	0	0	0	1	1
P01	Fetus Affected by Maternal Complications of Pregnancy	15	16	12	9	10
P01.0	Incompetent Cervix	2	1	5	4	4
P01.1	Premature Rupture of Membranes	9	7	2	3	4
P01.2	Oligohydramnios	0	1	2	1	0
P01.3	Polyhydramnios	0	2	1	1	0
P01.5	Multiple Pregnancy	3	4	0	0	2
P01.7	Malpresentation Before Labor	1	0	1	0	0
P01.8	Other Maternal Complications of Pregnancy	0	1	1	0	0
P02	Fetus Affected by Complications of Placenta, Cord and Membranes	38	42	40	35	36
P02.0	Placenta Previa	0	1	0	1	0
P02.1	Other Forms of Placenta Separation and Hemorrhage	21	17	15	14	10
P02.2	Other and Unspecified Morphological and Functional Abnormalities of Placenta	0	4	3	4	3
P02.3	Placental Transfusion Syndromes	0	0	1	0	0
P02.4	Prolapsed Cord	1	1	0	0	0
P02.5	Other Compression of Umbilical Cord	15	16	18	16	23
P02.6	Other and Unspecified Conditions of Umbilical Cord	0	1	0	0	0
P02.7	Chorioamnionitis	1	2	3	0	0
P03	Fetus Affected by Other Complications of Labor and Delivery	0	2	2	1	4
P04	Fetus Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	0	0	0	0	1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	9	8	9	6	7
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	9	8	9	6	7
P07.1	Other Low Birthweight	1	0	0	0	0
P07.2	Extreme Immaturity	4	3	5	2	4
P07.3	Other Preterm Infants	4	5	4	4	3
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	4	5	6	5	5
P20	Intrauterine Hypoxia	3	0	1	0	1
P21	Birth Asphyxia	1	1	0	0	0
P23	Congenital Pneumonia	0	0	1	0	0
P24	Neonatal Aspiration Syndromes	0	1	0	0	0
P28	Other Respiratory Conditions Originating in the Perinatal Period	0	0	0	1	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	0	3	4	4	3
P29.0	Neonatal Cardiac Failure	0	0	2	2	1
P29.1	Neonatal Cardiac Dysrhythmia	0	2	2	2	2
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	0	1	0	0	0

West Virginia Bureau for Public Health
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Causes of Resident Fetal Deaths
West Virginia, 2005-2009
Table 31 (Cont'd)

ICDA 10 Code	Cause of Death	2005	2006	2007	2008	2009
P35-P39	Infections Specific to the Perinatal Period	1	0	0	0	1
P36	Bacterial Sepsis of Newborn	1	0	0	0	0
P39	Other Infections Specific to the Perinatal Period	0	0	0	0	1
P50-P61	Hemorrhagic and Hematological Disorders of Fetus	2	0	0	0	0
P50	Fetal Blood Loss	1	0	0	0	0
P60	Disseminated Intravascular Coagulation of Fetus	1	0	0	0	0
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus	1	2	2	2	2
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Fetus	1	2	2	2	2
P70.0	Syndrome of "Infant of Mother with Gestational Diabetes	0	2	0	1	1
P70.1	Syndrome of "Infant of a Diabetic Mother	1	0	2	1	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus	1	0	2	1	2
P83	Other Conditions of Integument Specific to Fetus	1	0	2	1	2
P90-P96	Other Disorders Originating in the Perinatal Period	28	33	30	19	39
P96	Other Conditions Originating in the Perinatal Period	28	33	30	19	39
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	11	10	8	10	6
Q00-Q07	Congenital Malformations of the Nervous System	2	0	1	4	0
Q00	Anencephaly and Similar Malformations	1	0	0	3	0
Q03	Congenital Hydrocephalus	1	0	1	0	0
Q04	Other Congenital Malformations of Brain	0	0	0	1	0
Q10-Q18	Congenital Malformations of Eye, Ear, Face and Neck	1	0	0	0	0
Q18	Other Congenital Malformations of Face and Neck	1	0	0	0	0
Q20-Q28	Congenital Malformations of the Circulatory System	0	1	0	2	1
Q24	Other Congenital Malformations of the Heart	0	1	0	2	1
Q35-Q37	Cleft Lip and Cleft Palate	0	1	0	0	0
Q37	Cleft Palate with Cleft Lip	0	1	0	0	0
Q50-Q56	Congenital Malformations of Genital Organs	0	0	1	0	0
Q55	Other Congenital Malformations of Male Genital Organs	0	0	1	0	0
Q60-Q64	Congenital Malformations of the Urinary System	1	3	1	0	1
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	2	0	0	0
Q61	Cystic Kidney Disease	0	1	0	0	0
Q64	Other Congenital Malformations of Urinary System	0	0	1	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	1	0	0	2	0
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	1	0	0	2	0
Q80-Q89	Other Congenital Malformations	3	3	3	2	2
Q82	Other Congenital Malformations of Skin	0	0	1	0	0
Q89	Other Congenital Malformations, Not Elsewhere Classified	3	3	2	2	2
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	3	2	2	0	2
Q91	Edwards' Syndrome and Patau's Syndrome	1	1	2	0	0
Q96	Turner's Syndrome	0	1	0	0	1
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	2	0	0	0	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	0	0	0	1
R95-R99	Ill-Defined and Unknown Causes of Mortality	0	0	0	0	1
R96	Other Sudden Death, Cause Unknown	0	0	0	0	1

West Virginia Bureau for Public Health
Health Statistics Center, 2010



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 2009, there were 1,772 ITOPs performed in West Virginia, 10.6% less than in 2008 (1,982). Nearly eight out of every nine (88.5%) ITOPs involved a West Virginia resident, while 5.0% were Kentucky residents and 4.7% were residents of Ohio, compared with 2008 percentages of 88.2%, 4.8%, and 5.8%, respectively. The median age of women having an ITOP in 2009 was 24, up from 23 in 2008. There were 110 procedures in 2009 involving females under the age of 18, of which 104 were performed on unemancipated*minors, compared with 117 in 2008, of which 102 were performed on unemancipated minors. Eighty-three percent (83.0%) of the 2009 ITOPs performed in West Virginia involved women who were not married at the time. Over one-third (35.5%) of the 2009 ITOPs involved women who had never had a previous live birth; while 87.9% 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 (63.8%) involved women for whom it was their first ITOP, while nearly all (95.8%) involved women who had two or fewer previous ITOPs. There were two 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, 2009

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	7	1	1	1	0	0	0	10
15-17	42	32	13	10	3	0	0	100
18-19	118	32	24	19	6	3	0	202
20-24	376	95	78	24	12	4	0	589
25-29	259	81	56	29	6	1	1	433
30-34	159	57	33	15	4	2	0	270
35-39	81	24	13	5	4	2	0	129
40-44	25	5	3	1	1	0	0	35
45+	1	2	0	0	0	0	0	3
Unknown	0	0	0	0	0	1	0	1
Total	1,068	329	221	104	36	13	1	1,772

Note: Gestational age is the physician's estimate of gestation.

Induced Terminations of Pregnancy
By Age of Female and Marital Status
West Virginia Occurrences, 2009

Table 33

Age of Female	Marital Status						Total
	Married	Never Married	Divorced	Separated	Widowed	Unknown	
10-14	0	10	0	0	0	0	10
15-17	2	98	0	0	0	0	100
18-19	11	191	0	0	0	0	202
20-24	61	511	9	6	1	1	589
25-29	91	326	10	3	2	1	433
30-34	66	191	8	4	1	0	270
35-39	51	70	3	3	1	1	129
40-44	15	16	2	1	0	1	35
45+	2	1	0	0	0	0	3
Unknown	1	0	0	0	0	0	1
Total	300	1,414	32	17	5	4	1,772

West Virginia Bureau for Public Health
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Induced Terminations of Pregnancy
By Age of Female and Previous Live Births
West Virginia Occurrences, 2009

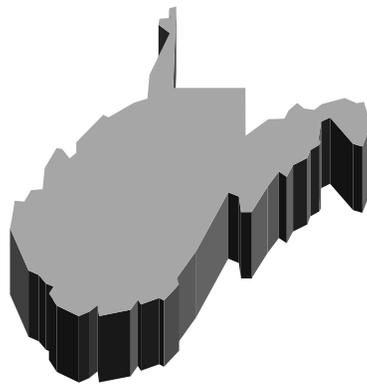
Table 34

Age of Female	Previous Live Births					Total
	None	One	Two	Three	Four or More	
10-14	10	0	0	0	0	10
15-17	84	15	1	0	0	100
18-19	147	47	7	1	0	202
20-24	240	215	90	39	5	589
25-29	89	142	137	51	14	433
30-34	37	80	85	44	24	270
35-39	13	53	35	20	8	129
40-44	8	12	7	3	5	35
45+	1	0	2	0	0	3
Unknown	0	1	0	0	0	1
Total	629	565	364	158	56	1,772

Previous Induced Terminations of Pregnancy
By Age of Female
West Virginia Occurrences, 2009

Table 35

Age of Female	Previous Induced Terminations					Total
	None	One	Two	Three	Four or More	
10-14	10	0	0	0	0	10
15-17	90	9	1	0	0	100
18-19	167	34	1	0	0	202
20-24	410	129	38	11	1	589
25-29	227	133	52	11	10	433
30-34	125	77	42	15	11	270
35-39	76	25	15	7	6	129
40-44	23	9	0	3	0	35
45+	1	1	1	0	0	3
Unknown	1	0	0	0	0	1
Total	1,130	417	150	47	28	1,772



West Virginia Vital Statistics
Marriages & Divorces

Marriages

For the eighth time in the past nine years, the number of marriages in West Virginia decreased, from 13,025 in 2008 to 12,468 in 2009. The marriage rate in 2009 was 6.9 per 1,000 population, lower than the 2008 rate of 7.2. The 2009 U.S. provisional rate was 6.8.

For all marriages in 2009, the median age was 27 for brides and 30 for grooms. The mode (most frequently reported age) for all marriages was 23 for brides and 25 for grooms. There were 161 brides and 29 grooms aged less than 18. There were 166 brides and 311 grooms over the age of 65. Also in 2009, there were 209 marriages in which the groom was 20 years or more older than the bride, while there were 22 marriages in which the bride was at least 20 years older.

For first marriages, the median age for brides was 24; for grooms it was 26. The mode for first marriages in West Virginia was 22 for brides and 25 for grooms. All of the West Virginia's grooms less than 18 years of age and all but one of the brides less than 18 were in their first marriage. There were three brides and seven grooms over the age of 65 for which it was a first marriage.

Divorces and Annulments

The number of divorces and annulments increased by 517 or 5.8%, from 8,903 in 2008 to 9,420 in 2009. The 2009 rate of 5.2 per 1,000 population was also higher than the 2008 rate of 4.9.

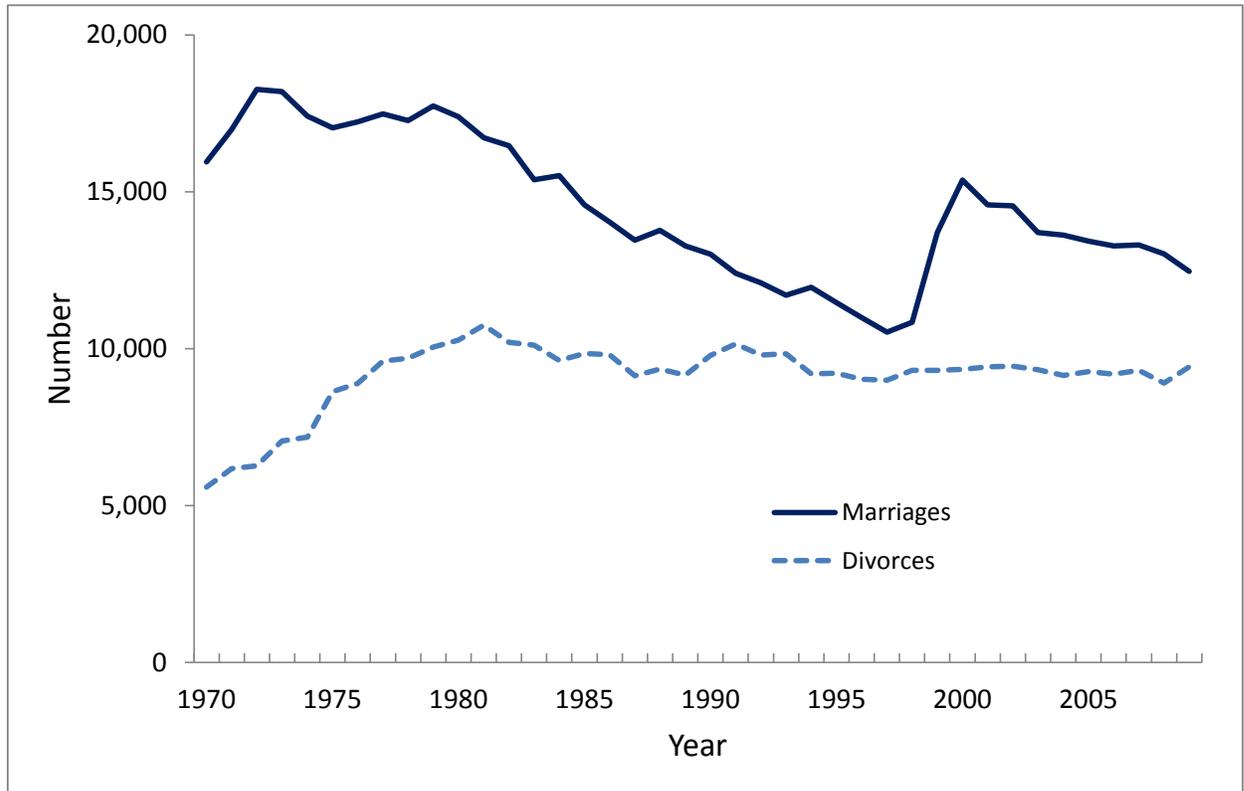
Of the 9,420 divorces in West Virginia in 2009, the median duration of marriage was seven years. Approximately one out of every four (23.9%) West Virginia divorces with a known duration in 2009 involved marriages lasting only two years or less; 7.0% involved marriages of 25 years or longer. There were 17 divorces involving a wife aged less than 18, while there were four in which the husband was under age 18. During 2009, 107 divorces involved a wife aged 65 or older, and 186 involved a husband in the age group.

Over one-half (53.8%) of the divorces involved no children under 18 years of age in the family, while one child was involved in 23.2% of all divorces and two children were involved in 16.8%. Five 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, 1970-2009 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
2009	12,468	9,420

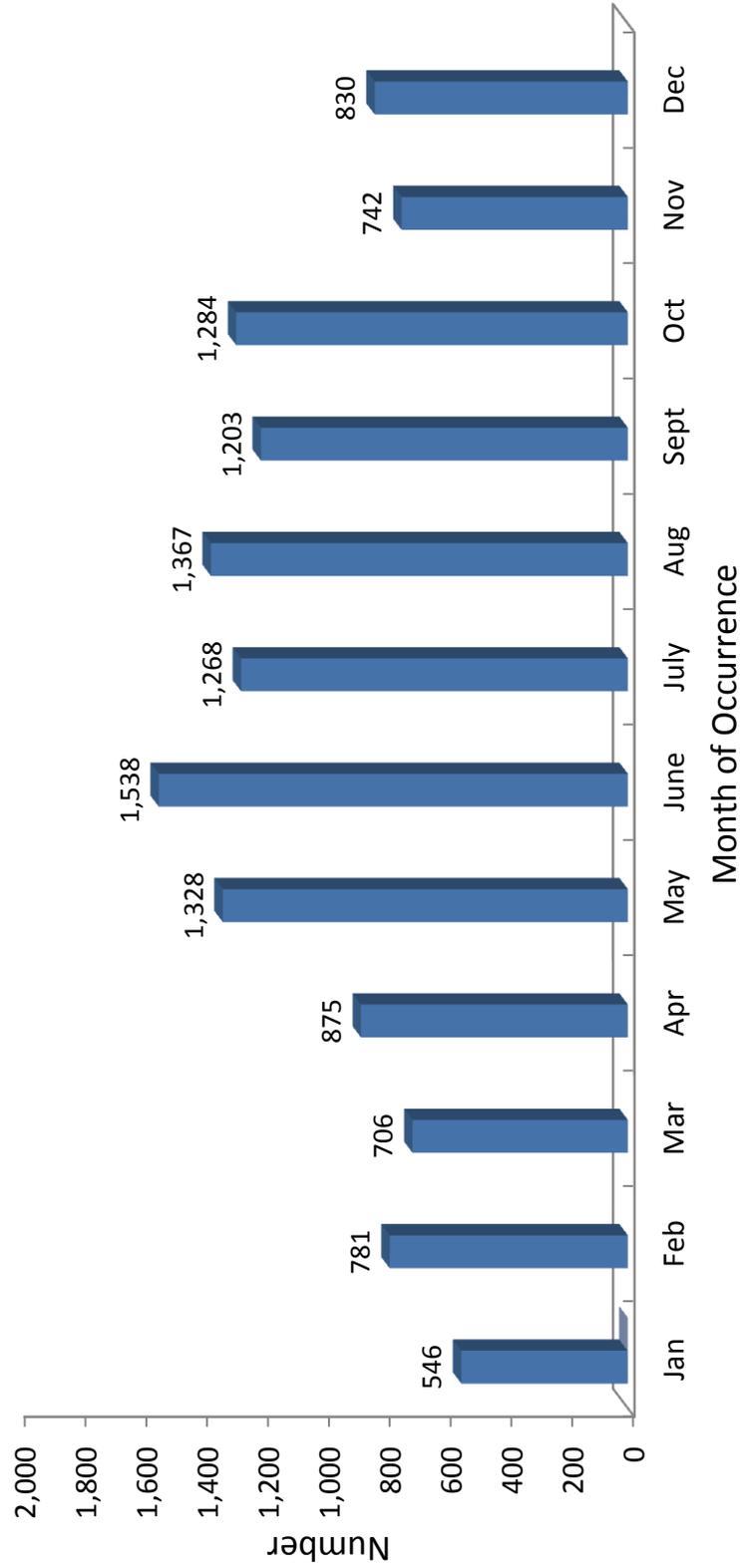
Marriages by Age of Bride and Groom
West Virginia, 2009
Table 36

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		Unk
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	314	629	135	35	17	3	1	1	1	0	0	1,136
20-24 Years	0	128	1,618	1,097	353	119	41	12	3	2	0	0	3,373
25-29 Years	0	12	295	1,219	673	290	115	41	19	6	4	0	2,674
30-34 Years	0	2	82	296	494	385	150	80	24	9	14	0	1,536
35-39 Years	0	0	25	96	196	346	251	112	65	28	17	0	1,136
40-44 Years	0	0	5	14	64	131	221	196	111	52	28	0	822
45-49 Years	0	0	5	3	12	48	118	214	172	76	41	0	689
50-54 Years	0	0	1	1	2	17	31	76	135	103	89	0	455
55-59 Years	0	0	0	1	1	7	6	21	45	75	110	0	266
60 & Over Years	0	0	0	0	0	0	1	7	18	43	307	0	376
Unk	0	0	0	0	0	0	0	0	0	0	0	5	5
Total	0	456	2,660	2,862	1,830	1,360	937	760	593	395	610	5	12,468

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

West Virginia Bureau for Public Health
Health Statistics Center, 2011

Marriages by Month of Occurrence West Virginia, 2009 Exhibit 17



West Virginia Bureau for Public Health
Health Statistics Center, 2011

**Marriages by Previous Marital Status
West Virginia, 2009
Table 37**

Bride	Groom					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,862	49	1,342	7	1	7,261
Widowed	51	171	252	2	0	476
Divorced	1,327	233	3,143	11	0	4,714
Annulled	5	2	7	1	0	15
Not Stated	1	0	1	0	0	2
Total	7,246	455	4,745	21	1	12,468

**Marriages by Number of Previous Marriages
West Virginia, 2009
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	5,862	1,135	213	42	9	0	7,261
One Previous Marriage	1,089	1,652	502	136	50	1	3,430
Two Previous Marriages	225	613	341	84	31	0	1,294
Three Previous Marriages	51	130	115	34	13	0	343
Four or More Previous Marriages	17	58	30	20	12	0	137
Not Stated	2	0	0	1	0	0	3
Total	7,246	3,588	1,201	317	115	1	12,468

West Virginia Bureau for Public Health
Health Statistics Center, 2011

Divorces and Annulments by Age of Husband and Wife
West Virginia, 2009
Table 39

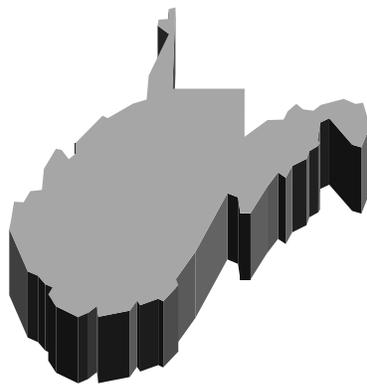
Age of Wife	Age of Husband											Total	
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 & Over Years		Un-known
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	26	104	18	2	7	0	0	0	1	0	1	159
20-24 Years	0	22	419	420	117	40	11	8	0	0	1	11	1,050
25-29 Years	0	0	97	612	521	201	79	24	15	7	0	17	1,573
30-34 Years	0	0	21	169	613	467	168	70	19	6	10	23	1,566
35-39 Years	0	0	14	45	184	546	437	155	65	17	12	16	1,491
40-44 Years	0	0	3	14	52	208	422	320	138	39	24	14	1,234
45-49 Years	0	0	3	6	15	59	137	286	193	86	40	18	843
50-54 Years	0	0	0	1	5	17	40	89	199	127	70	10	558
55-59 Years	0	0	0	0	1	3	7	25	59	93	76	2	266
60 & Over Years	0	0	1	0	1	0	8	13	24	32	178	4	261
Unknown	0	1	11	30	36	35	20	16	16	12	9	233	419
Total	0	49	673	1,315	1,547	1,583	1,329	1,006	729	420	420	349	9,420

West Virginia Bureau for Public Health
Health Statistics Center, 2011

Divorces and Annulments by Duration of Marriage and Number of Children
West Virginia, 2009
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	460	54	19	8	2	0	0	0	543
1 to 5 Years	2,304	902	361	76	8	0	0	0	3,651
6 to 10 Years	901	533	513	160	34	7	2	0	2,150
11 to 15 Years	373	294	377	152	25	5	1	0	1,227
16 to 20 Years	248	193	213	62	14	5	2	0	737
21 to 25 Years	252	125	74	11	2	1	0	0	465
26 to 30 Years	223	52	13	2	1	0	0	0	291
31 to 35 Years	131	14	4	2	0	0	0	0	151
36 to 40 Years	80	3	1	0	0	0	0	0	84
41 to 45 Years	42	0	1	0	0	0	0	0	43
46 to 50 Years	8	0	0	0	0	0	0	0	8
51 to 55 Years	2	0	0	0	0	0	0	0	2
56 to 60 Years	1	0	0	0	0	0	0	0	1
Over 60 Years	0	0	0	0	0	0	0	0	0
Unknown	43	13	9	2	0	0	0	0	67
Total	5,068	2,183	1,585	475	86	18	5	0	9,420

West Virginia Bureau for Public Health
Health Statistics Center, 2011



West Virginia Vital Statistics
County-Level Data

County and City Summary

Beginning with the *West Virginia Vital Statistics 2008* 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. It will increase to the 30 most populated cities beginning with the 2010 edition.

Number of Births by County of Residence and Occurrence
 Birth Rates by County of Residence
 West Virginia, 2009
 Table 41

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate per 1,000 Population*			Number	Rate per 1,000 Population*	
Barbour	171	10.9	0	Monongalia	927	10.3	2,200
Berkeley	1,352	13.0	961	Monroe	132	9.6	3
Boone	327	13.2	0	Morgan	162	9.9	1
Braxton	160	11.1	1	Nicholas	332	12.7	340
Brooke	208	8.8	396	Ohio	508	11.5	1,378
Cabell	1,263	13.3	2,930	Pendleton	97	13.1	0
Calhoun	92	12.9	0	Pleasants	64	8.7	0
Clay	132	13.2	0	Pocahontas	101	12.0	9
Doddridge	77	10.7	1	Preston	352	11.6	116
Fayette	606	13.1	2	Putnam	601	10.8	26
Gilmer	72	10.6	0	Raleigh	970	12.2	1,560
Grant	134	11.3	263	Randolph	293	10.3	373
Greenbrier	397	11.5	568	Ritchie	103	10.1	1
Hampshire	237	10.4	3	Roane	148	10.0	48
Hancock	293	9.9	0	Summers	123	9.4	0
Hardy	158	11.6	0	Taylor	198	12.1	1
Harrison	826	12.0	944	Tucker	69	10.1	0
Jackson	325	11.6	1	Tyler	100	11.5	1
Jefferson	627	11.9	288	Upshur	268	11.3	310
Kanawha	2,280	11.9	3,914	Wayne	410	10.0	0
Lewis	192	11.0	328	Webster	134	14.2	2
Lincoln	257	11.6	0	Wetzel	174	10.7	1
Logan	426	12.0	372	Wirt	40	7.1	0
McDowell	293	13.1	61	Wood	1,037	11.9	1,706
Marion	647	11.4	367	Wyoming	268	11.5	0
Marshall	329	10.1	161				
Mason	279	10.9	200				
Mercer	817	13.2	1,394	Total	21,275	11.7	21,299
Mineral	320	11.8	2				
Mingo	367	13.9	66				

*Rates are calculated per 1,000 population. 2009 population estimates are from the U.S. Bureau of the Census.

Number of Births by County of Residence
West Virginia, 2005-2009
Table 42

County	2005	2006	2007	2008	2009	County	2005	2006	2007	2008	2009
Barbour	190	154	194	174	171	Monongalia	883	923	907	921	927
Berkeley	1,309	1,344	1,517	1,434	1,352	Monroe	134	137	142	150	132
Boone	308	331	322	353	327	Morgan	159	160	170	160	162
Braxton	144	165	176	148	160	Nicholas	326	293	324	311	332
Brooke	225	210	220	223	208	Ohio	517	480	509	464	508
Cabell	1,142	1,215	1,234	1,259	1,263	Pendleton	82	74	72	74	97
Calhoun	89	84	83	77	92	Pleasants	57	72	82	77	64
Clay	116	136	147	142	132	Pocahontas	76	96	97	92	101
Doddridge	75	61	65	74	77	Preston	293	352	345	367	352
Fayette	586	570	628	568	606	Putnam	646	611	640	614	601
Gilmer	79	71	80	56	72	Raleigh	919	895	990	925	970
Grant	114	131	125	126	134	Randolph	353	315	347	326	293
Greenbrier	382	378	402	399	397	Ritchie	109	94	104	113	103
Hampshire	237	231	268	264	237	Roane	149	157	174	165	148
Hancock	327	309	319	331	293	Summers	108	115	122	116	123
Hardy	153	157	177	165	158	Taylor	145	162	165	161	198
Harrison	827	851	810	855	826	Tucker	60	64	83	66	69
Jackson	333	314	330	364	325	Tyler	95	89	96	75	100
Jefferson	646	670	725	688	627	Upshur	270	291	273	256	268
Kanawha	2,272	2,319	2,368	2,395	2,280	Wayne	443	467	460	460	410
Lewis	217	174	233	202	192	Webster	106	97	118	109	134
Lincoln	290	284	268	273	257	Wetzel	219	205	164	171	174
Logan	426	418	458	420	426	Wirt	53	56	50	62	40
McDowell	275	296	294	302	293	Wood	1,021	980	1,046	957	1,037
Marion	611	604	664	625	647	Wyoming	273	268	250	259	268
Marshall	306	317	356	330	329	Total	20,834	20,931	22,017	21,493	21,275
Mason	310	303	340	313	279						
Mercer	704	717	755	814	817						
Mineral	275	297	333	320	320						
Mingo	370	367	396	348	367						

West Virginia Bureau for Public Health
Health Statistics Center, 2011

Number and Percent of Low Birthweight (LBW) Births
By County of Residence
West Virginia, 2009
Table 43

County	Number of Births	Low Birthweight*	Percent LBW	County	Number of Births	Low Birthweight*	Percent LBW
Barbour	171	5	2.9%	Monongalia	927	70	7.6%
Berkeley	1,352	105	7.8%	Monroe	132	8	6.1%
Boone	327	35	10.7%	Morgan	162	17	10.5%
Braxton	160	16	10.1%	Nicholas	332	37	11.2%
Brooke	208	14	6.8%	Ohio	508	43	8.5%
Cabell	1,263	111	8.8%	Pendleton	97	9	9.3%
Calhoun	92	9	9.8%	Pleasants	64	5	7.8%
Clay	132	15	11.4%	Pocahontas	101	10	9.9%
Doddridge	77	7	9.1%	Preston	352	42	11.9%
Fayette	606	70	11.6%	Putnam	601	49	8.2%
Gilmer	72	8	11.1%	Raleigh	970	110	11.3%
Grant	134	19	14.2%	Randolph	293	24	8.2%
Greenbrier	397	40	10.1%	Ritchie	103	7	6.8%
Hampshire	237	16	6.8%	Roane	148	7	4.7%
Hancock	293	24	8.4%	Summers	123	16	13.0%
Hardy	158	9	5.7%	Taylor	198	19	9.6%
Harrison	826	64	7.8%	Tucker	69	2	2.9%
Jackson	325	23	7.1%	Tyler	100	8	8.1%
Jefferson	627	39	6.2%	Upshur	268	18	6.7%
Kanawha	2,280	208	9.2%	Wayne	410	45	11.0%
Lewis	192	24	12.5%	Webster	134	11	8.2%
Lincoln	257	18	7.0%	Wetzel	174	16	9.2%
Logan	426	44	10.4%	Wirt	40	5	12.5%
McDowell	293	30	10.2%	Wood	1,037	93	9.0%
Marion	647	62	9.6%	Wyoming	268	32	11.9%
Marshall	329	26	7.9%				
Mason	279	24	8.9%				
Mercer	817	115	14.1%	Total	21,275	1,957	9.2%
Mineral	320	27	8.4%				
Mingo	367	47	12.8%				

* < 2,500 grams

Percentages are calculated excluding unknown

West Virginia Bureau for Public Health
Health Statistics Center, 2011

Age of Mother by County
West Virginia Resident Births, 2009

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	3	23	46	54	34	6	4	1	0	171
Berkeley	2	44	108	390	407	263	110	23	4	1	1,352
Boone	0	16	34	108	87	57	21	4	0	0	327
Braxton	0	4	14	68	37	33	1	3	0	0	160
Brooke	0	6	16	49	76	39	16	4	2	0	208
Cabell	1	59	111	386	355	228	110	10	3	0	1,263
Calhoun	1	3	16	34	23	10	4	1	0	0	92
Clay	0	8	19	44	32	23	4	2	0	0	132
Doddridge	0	3	9	23	19	10	13	0	0	0	77
Fayette	0	22	61	185	172	99	56	8	3	0	606
Gilmer	0	3	6	23	14	16	8	1	1	0	72
Grant	0	6	18	46	34	21	7	2	0	0	134
Greenbrier	0	17	40	127	113	59	34	6	1	0	397
Hampshire	0	9	29	77	59	42	18	3	0	0	237
Hancock	1	8	25	89	83	60	20	6	1	0	293
Hardy	0	10	16	46	41	29	13	3	0	0	158
Harrison	1	27	79	231	253	154	71	6	4	0	826
Jackson	1	11	26	107	105	49	23	2	1	0	325
Jefferson	0	19	57	152	153	153	82	10	1	0	627
Kanawha	3	95	214	666	660	436	170	31	5	0	2,280
Lewis	0	4	24	68	52	32	12	0	0	0	192
Lincoln	0	15	28	87	69	45	10	2	1	0	257
Logan	2	18	45	160	106	64	22	6	3	0	426
McDowell	2	15	54	123	62	27	8	2	0	0	293
Marion	0	22	50	167	234	113	50	9	2	0	647
Marshall	0	16	30	92	103	49	30	7	2	0	329
Mason	0	8	24	104	81	49	11	2	0	0	279
Mercer	3	31	98	279	223	135	38	7	3	0	817
Mineral	0	12	31	99	97	60	17	3	1	0	320
Mingo	0	20	36	127	106	55	18	1	4	0	367
Monongalia	0	15	45	197	280	260	91	36	3	0	927
Monroe	0	6	13	42	36	22	10	3	0	0	132
Morgan	0	5	12	60	42	30	8	5	0	0	162
Nicholas	0	19	41	110	92	44	19	6	1	0	332
Ohio	2	28	32	145	125	119	46	11	0	0	508
Pendleton	0	2	4	33	32	21	5	0	0	0	97
Pleasants	0	0	6	23	20	12	3	0	0	0	64
Pocahontas	0	1	7	36	29	18	8	1	1	0	101
Preston	1	9	34	108	105	59	31	3	2	0	352
Putnam	1	17	34	143	173	145	71	17	0	0	601
Raleigh	0	35	93	319	264	175	68	9	6	1	970
Randolph	0	12	32	91	82	54	18	3	1	0	293
Ritchie	0	4	12	35	32	14	3	3	0	0	103
Roane	0	7	12	50	44	21	13	1	0	0	148
Summers	0	10	15	39	30	24	3	2	0	0	123
Taylor	0	6	17	64	62	36	12	1	0	0	198
Tucker	0	4	2	26	23	10	4	0	0	0	69
Tyler	0	6	18	27	30	10	7	2	0	0	100
Upshur	0	11	23	94	90	33	14	3	0	0	268
Wayne	0	16	38	145	108	79	21	3	0	0	410
Webster	0	5	13	43	40	21	10	1	1	0	134
Wetzel	0	9	22	71	38	20	9	5	0	0	174
Wirt	0	1	6	15	12	3	2	1	0	0	40
Wood	1	37	119	343	287	167	68	13	2	0	1,037
Wyoming	0	11	27	102	76	33	18	1	0	0	268
Total	22	810	2,018	6,564	6,062	3,874	1,565	298	60	2	21,275

Mother's Marital Status and Method of Paternity Establishment for
Unmarried Mothers by County
West Virginia Occurrence Births, 2009
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	0	0	0	0	0	0
Berkeley	961	414	547	411	34	102
Boone	0	0	0	0	0	0
Braxton	1	1	0	0	0	0
Brooke	396	208	188	138	17	33
Cabell	2,930	1,686	1,244	845	110	289
Calhoun	0	0	0	0	0	0
Clay	0	0	0	0	0	0
Doddridge	1	0	1	1	0	0
Fayette	2	2	0	0	0	0
Gilmer	0	0	0	0	0	0
Grant	263	123	140	109	5	26
Greenbrier	568	293	275	201	25	49
Hampshire	3	2	1	1	0	0
Hancock	0	0	0	0	0	0
Hardy	0	0	0	0	0	0
Harrison	944	525	419	335	39	45
Jackson	1	0	1	1	0	0
Jefferson	288	113	175	122	15	38
Kanawha	3,914	2,259	1,655	1,200	205	250
Lewis	328	150	178	127	28	23
Lincoln	0	0	0	0	0	0
Logan	372	194	178	107	35	36
McDowell	61	26	35	22	7	6
Marion	367	176	191	143	20	28
Marshall	161	58	103	76	14	13
Mason	200	99	101	63	17	21
Mercer	1,394	765	629	423	66	140
Mineral	2	2	0	0	0	0
Mingo	66	34	32	15	6	11
Monongalia	2,200	1,489	711	514	56	141
Monroe	3	3	0	0	0	0
Morgan	1	1	0	0	0	0
Nicholas	340	174	166	106	21	39
Ohio	1,378	732	646	484	49	113
Pendleton	0	0	0	0	0	0
Pleasants	0	0	0	0	0	0
Pocahontas	9	8	1	1	0	0
Preston	116	56	60	43	7	10
Putnam	26	20	6	2	0	4
Raleigh	1,560	858	702	453	85	164
Randolph	373	197	176	142	13	21
Ritchie	1	1	0	0	0	0
Roane	48	23	25	15	6	4
Summers	0	0	0	0	0	0
Taylor	1	0	1	0	0	1
Tucker	0	0	0	0	0	0
Tyler	1	0	1	0	1	0
Upshur	310	192	118	77	9	32
Wayne	0	0	0	0	0	0
Webster	2	2	0	0	0	0
Wetzel	1	0	1	0	0	1
Wirt	0	0	0	0	0	0
Wood	1,706	928	778	578	88	112
Wyoming	0	0	0	0	0	0
Total	21,299	11,814	9,485	6,755	978	1,752

West Virginia Bureau for Public Health
Health Statistics Center, 2011

*Includes 25 births with unknown marital status.

Births by Month by County
West Virginia Residents, 2009
Table 46

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	15	10	19	16	14	15	15	14	12	11	14	16	171
Berkeley	116	111	105	98	126	106	134	103	111	101	115	126	1,352
Boone	24	16	30	27	27	21	35	34	34	35	22	22	327
Braxton	17	13	11	12	11	11	18	17	10	15	11	14	160
Brooke	18	18	25	15	16	16	13	25	19	16	14	13	208
Cabell	89	88	106	109	100	108	122	132	106	111	95	97	1,263
Calhoun	8	7	6	7	5	8	8	11	7	10	11	4	92
Clay	15	11	16	10	12	10	12	7	11	8	15	5	132
Doddridge	5	3	7	7	11	6	10	6	6	8	3	5	77
Fayette	63	44	56	51	52	32	42	65	60	58	36	47	606
Gilmer	5	7	7	2	6	4	10	5	7	9	3	7	72
Grant	11	13	8	12	6	15	12	11	11	13	15	7	134
Greenbrier	40	24	33	33	35	30	34	34	39	23	31	41	397
Hampshire	20	17	25	26	17	14	19	23	19	20	16	21	237
Hancock	15	29	28	27	23	28	23	26	29	34	15	16	293
Hardy	11	9	18	19	12	13	16	17	8	13	10	12	158
Harrison	67	70	69	59	77	73	75	75	73	61	66	61	826
Jackson	24	30	15	25	28	33	34	32	27	28	26	23	325
Jefferson	57	58	51	50	44	50	53	62	51	61	46	44	627
Kanawha	190	179	203	189	175	207	208	196	193	179	143	218	2,280
Lewis	24	18	6	16	15	13	13	21	16	15	15	20	192
Lincoln	21	17	16	15	17	21	28	24	25	19	23	31	257
Logan	44	32	29	30	37	35	35	40	40	31	32	41	426
McDowell	23	28	21	20	22	16	26	25	18	36	29	29	293
Marion	51	51	66	56	54	45	63	55	50	62	48	46	647
Marshall	28	19	32	31	30	21	28	17	40	34	24	25	329
Mason	19	29	22	21	20	25	33	20	30	20	18	22	279
Mercer	71	54	62	65	60	81	83	63	88	63	61	66	817
Mineral	22	20	21	16	24	31	30	33	37	33	26	27	320
Mingo	33	29	31	25	30	23	32	30	46	30	28	30	367
Monongalia	75	59	93	78	88	78	79	88	82	80	63	64	927
Monroe	13	9	11	7	5	10	15	12	13	10	18	9	132
Morgan	16	11	16	17	14	18	10	12	17	11	14	6	162
Nicholas	24	24	33	22	23	30	28	31	38	20	25	34	332
Ohio	48	36	41	36	47	44	50	48	48	43	32	35	508
Pendleton	6	9	9	7	3	10	11	8	7	9	9	9	97
Pleasants	3	3	3	5	6	7	3	6	5	5	8	10	64
Pocahontas	6	7	8	9	6	12	4	8	9	11	8	13	101
Preston	25	37	30	34	34	27	31	26	24	23	30	31	352
Putnam	56	50	50	54	48	52	49	65	48	44	34	51	601
Raleigh	90	75	81	83	82	78	91	81	87	67	76	79	970
Randolph	23	20	24	24	22	31	24	30	22	28	23	22	293
Ritchie	7	8	5	4	11	17	7	5	7	7	13	12	103
Roane	16	12	12	10	11	13	13	16	13	11	10	11	148
Summers	7	9	9	7	7	13	13	6	19	12	4	17	123
Taylor	15	17	10	19	15	24	17	12	21	19	17	12	198
Tucker	6	9	7	6	4	3	5	9	4	8	3	5	69
Tyler	8	8	10	7	8	8	11	12	10	8	6	4	100
Upshur	23	25	24	18	19	26	22	26	20	23	24	18	268
Wayne	34	27	33	38	32	44	32	38	33	26	40	33	410
Webster	8	17	5	8	11	11	11	15	15	12	11	10	134
Wetzel	10	19	17	8	10	12	18	17	13	16	15	19	174
Wirt	4	1	7	1	2	4	4	2	2	4	6	3	40
Wood	78	80	93	98	67	76	104	83	102	83	97	76	1,037
Wyoming	19	24	22	21	28	20	22	19	22	22	28	21	268
Total	1,766	1,650	1,797	1,710	1,709	1,779	1,938	1,898	1,904	1,759	1,625	1,740	21,275

Place of Delivery, Gender of Child by Race, and Marital Status of Mother by County
West Virginia Resident Births, 2009

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	171	0	82	89	0	0	0	0	69	171
Berkeley	1,340	12	630	595	50	55	9	13	591	1,352
Boone	327	0	171	154	1	1	0	0	135	327
Braxton	159	1	81	78	0	0	0	1	73	160
Brooke	206	2	103	101	0	1	0	2	85	208
Cabell	1,260	3	605	566	39	31	11	9	584	1,263
Calhoun	92	0	43	47	1	0	1	0	44	92
Clay	132	0	74	58	0	0	0	0	55	132
Doddridge	76	1	43	33	0	1	0	0	32	77
Fayette	604	2	303	283	7	10	1	1	258	606
Gilmer	72	0	41	28	0	0	1	1	26	72
Grant	133	1	65	69	0	0	0	0	52	134
Greenbrier	393	4	193	193	2	7	1	0	181	397
Hampshire	233	4	122	113	0	1	0	1	96	237
Hancock	292	1	130	147	4	1	3	2	144	293
Hardy	158	0	81	75	1	0	0	1	77	158
Harrison	823	3	415	389	2	8	9	2	361	826
Jackson	323	2	183	140	0	0	1	0	118	325
Jefferson	623	4	286	285	19	29	2	6	259	627
Kanawha	2,270	10	1,003	1,023	101	122	12	16	1,091	2,280
Lewis	192	0	107	85	0	0	0	0	88	192
Lincoln	257	0	130	127	0	0	0	0	112	257
Logan	426	0	220	194	6	4	0	1	183	426
McDowell	292	1	138	119	15	17	2	2	151	293
Marion	645	2	302	307	13	16	6	2	269	647
Marshall	329	0	171	155	0	2	0	1	166	329
Mason	278	1	134	131	1	0	2	1	118	279
Mercer	816	1	391	354	32	35	1	4	397	817
Mineral	318	2	159	150	6	2	2	1	139	320
Mingo	366	1	177	187	2	1	0	0	141	367
Monongalia	924	3	435	421	22	7	24	17	284	927
Monroe	129	3	68	62	0	1	0	1	58	132
Morgan	162	0	76	81	2	1	1	1	70	162
Nicholas	332	0	159	170	0	1	0	2	137	332
Ohio	505	3	237	236	17	14	1	3	253	508
Pendleton	97	0	47	44	3	0	1	2	24	97
Pleasants	64	0	37	25	1	0	1	0	32	64
Pocahontas	92	9	42	49	4	5	0	1	56	101
Preston	351	1	187	164	0	1	0	0	139	352
Putnam	597	4	300	290	3	1	2	4	192	601
Raleigh	965	5	450	438	36	34	5	5	434	970
Randolph	291	2	145	143	1	0	3	1	129	293
Ritchie	101	2	51	51	0	0	1	0	54	103
Roane	147	1	74	73	0	0	0	0	62	148
Summers	123	0	56	63	2	1	1	0	48	123
Taylor	198	0	93	104	0	1	0	0	90	198
Tucker	69	0	40	29	0	0	0	0	29	69
Tyler	100	0	53	46	0	0	0	0	45	100
Upshur	268	0	140	123	0	2	2	1	117	268
Wayne	407	3	195	213	0	0	0	1	160	410
Webster	133	1	62	72	0	0	0	0	57	134
Wetzel	173	1	87	84	1	0	0	2	89	174
Wirt	40	0	24	16	0	0	0	0	18	40
Wood	1,033	4	500	501	9	8	12	6	487	1,037
Wyoming	267	1	140	127	0	0	0	1	101	268
Total	21,174	101	10,281	9,900	403	421	118	115	9,260	21,275

West Virginia Bureau for Public Health
Health Statistics Center, 2011

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

**Includes 20 unknown.

NOTE: Does NOT include 37 births with mother's unknown race.

Trimester Prenatal Care Began by County
West Virginia Resident Births, 2009

Table 48

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown	Total
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	160	93.6%	10	5.8%	0	0.0%	1	0.6%	0	171
Berkeley	1,136	85.0%	158	11.8%	32	2.4%	10	0.7%	16	1,352
Boone	254	80.4%	52	16.5%	9	2.8%	1	0.3%	11	327
Braxton	128	81.5%	22	14.0%	3	1.9%	4	2.5%	3	160
Brooke	134	70.9%	46	24.3%	9	4.8%	0	0.0%	19	208
Cabell	994	79.8%	222	17.8%	26	2.1%	3	0.2%	18	1,263
Calhoun	84	92.3%	7	7.7%	0	0.0%	0	0.0%	1	92
Clay	103	78.6%	21	16.0%	7	5.3%	0	0.0%	1	132
Doddridge	70	92.1%	5	6.6%	1	1.3%	0	0.0%	1	77
Fayette	495	83.5%	84	14.2%	12	2.0%	2	0.3%	13	606
Gilmer	57	83.8%	9	13.2%	2	2.9%	0	0.0%	4	72
Grant	113	84.3%	21	15.7%	0	0.0%	0	0.0%	0	134
Greenbrier	357	91.1%	25	6.4%	1	0.3%	9	2.3%	5	397
Hampshire	204	86.4%	28	11.9%	4	1.7%	0	0.0%	1	237
Hancock	145	60.4%	71	29.6%	22	9.2%	2	0.8%	53	293
Hardy	135	85.4%	21	13.3%	0	0.0%	2	1.3%	0	158
Harrison	735	89.9%	65	7.9%	12	1.5%	6	0.7%	8	826
Jackson	276	85.2%	34	10.5%	13	4.0%	1	0.3%	1	325
Jefferson	540	88.2%	62	10.1%	10	1.6%	0	0.0%	15	627
Kanawha	1,841	81.2%	343	15.1%	78	3.4%	6	0.3%	12	2,280
Lewis	162	86.6%	17	9.1%	4	2.1%	4	2.1%	5	192
Lincoln	202	79.2%	49	19.2%	4	1.6%	0	0.0%	2	257
Logan	252	71.0%	92	25.9%	11	3.1%	0	0.0%	71	426
McDowell	207	71.9%	62	21.5%	16	5.6%	3	1.0%	5	293
Marion	516	80.4%	106	16.5%	16	2.5%	4	0.6%	5	647
Marshall	275	84.6%	40	12.3%	8	2.5%	2	0.6%	4	329
Mason	129	48.3%	90	33.7%	46	17.2%	2	0.7%	12	279
Mercer	608	74.9%	159	19.6%	22	2.7%	23	2.8%	5	817
Mineral	260	81.5%	51	16.0%	8	2.5%	0	0.0%	1	320
Mingo	150	76.1%	36	18.3%	11	5.6%	0	0.0%	170	367
Monongalia	739	80.4%	163	17.7%	14	1.5%	3	0.3%	8	927
Monroe	102	77.9%	19	14.5%	5	3.8%	5	3.8%	1	132
Morgan	125	77.6%	31	19.3%	4	2.5%	1	0.6%	1	162
Nicholas	281	85.9%	41	12.5%	5	1.5%	0	0.0%	5	332
Ohio	381	78.9%	86	17.8%	14	2.9%	2	0.4%	25	508
Pendleton	82	85.4%	12	12.5%	2	2.1%	0	0.0%	1	97
Pleasants	54	84.4%	7	10.9%	3	4.7%	0	0.0%	0	64
Pocahontas	74	76.3%	21	21.6%	2	2.1%	0	0.0%	4	101
Preston	285	81.9%	56	16.1%	3	0.9%	4	1.1%	4	352
Putnam	499	83.6%	78	13.1%	16	2.7%	4	0.7%	4	601
Raleigh	797	84.3%	118	12.5%	20	2.1%	10	1.1%	25	970
Randolph	261	89.1%	28	9.6%	4	1.4%	0	0.0%	0	293
Ritchie	97	94.2%	5	4.9%	1	1.0%	0	0.0%	0	103
Roane	125	85.0%	13	8.8%	8	5.4%	1	0.7%	1	148
Summers	105	86.1%	14	11.5%	1	0.8%	2	1.6%	1	123
Taylor	156	78.8%	41	20.7%	1	0.5%	0	0.0%	0	198
Tucker	62	89.9%	7	10.1%	0	0.0%	0	0.0%	0	69
Tyler	87	88.8%	7	7.1%	4	4.1%	0	0.0%	2	100
Upshur	240	90.9%	22	8.3%	2	0.8%	0	0.0%	4	268
Wayne	289	78.5%	69	18.8%	8	2.2%	2	0.5%	42	410
Webster	115	86.5%	13	9.8%	5	3.8%	0	0.0%	1	134
Wetzel	138	79.8%	28	16.2%	6	3.5%	1	0.6%	1	174
Wirt	38	95.0%	1	2.5%	0	0.0%	1	2.5%	0	40
Wood	925	89.9%	66	6.4%	30	2.9%	8	0.8%	8	1,037
Wyoming	190	73.6%	58	22.5%	9	3.5%	1	0.4%	10	268
Total	16,969	82.1%	3,012	14.6%	554	2.7%	130	0.6%	610	21,275

Number of Prenatal Visits by County
West Virginia Resident Births, 2009

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	1	0.6%	0	0.0%	25	14.6%	116	67.8%	29	17.0%	0	171
Berkeley	10	0.7%	59	4.4%	273	20.4%	888	66.4%	107	8.0%	15	1,352
Boone	1	0.3%	30	9.3%	126	39.1%	139	43.2%	26	8.1%	5	327
Braxton	4	2.5%	8	5.0%	40	25.2%	83	52.2%	24	15.1%	1	160
Brooke	0	0.0%	7	3.4%	62	30.1%	131	63.6%	6	2.9%	2	208
Cabell	3	0.2%	80	6.3%	440	34.9%	615	48.8%	122	9.7%	3	1,263
Calhoun	0	0.0%	7	7.8%	27	30.0%	44	48.9%	12	13.3%	2	92
Clay	0	0.0%	14	10.6%	54	40.9%	56	42.4%	8	6.1%	0	132
Doddridge	0	0.0%	2	2.6%	12	15.6%	46	59.7%	17	22.1%	0	77
Fayette	2	0.3%	35	5.8%	152	25.1%	319	52.7%	97	16.0%	1	606
Gilmer	0	0.0%	0	0.0%	24	33.8%	39	54.9%	8	11.3%	1	72
Grant	0	0.0%	2	1.5%	24	17.9%	84	62.7%	24	17.9%	0	134
Greenbrier	9	2.3%	7	1.8%	53	13.4%	248	62.6%	79	19.9%	1	397
Hampshire	0	0.0%	10	4.2%	43	18.1%	182	76.8%	2	0.8%	0	237
Hancock	2	0.7%	16	5.8%	103	37.3%	139	50.4%	16	5.8%	17	293
Hardy	2	1.3%	1	0.6%	19	12.0%	105	66.5%	31	19.6%	0	158
Harrison	6	0.7%	19	2.3%	89	10.8%	572	69.4%	138	16.7%	2	826
Jackson	1	0.3%	9	2.8%	109	33.9%	169	52.5%	34	10.6%	3	325
Jefferson	0	0.0%	22	3.6%	129	21.1%	416	68.0%	45	7.4%	15	627
Kanawha	6	0.3%	204	9.0%	844	37.2%	991	43.6%	226	10.0%	9	2,280
Lewis	4	2.1%	5	2.6%	27	14.1%	120	62.5%	36	18.8%	0	192
Lincoln	0	0.0%	12	4.7%	93	36.5%	122	47.8%	28	11.0%	2	257
Logan	0	0.0%	48	12.4%	150	38.8%	163	42.1%	26	6.7%	39	426
McDowell	3	1.0%	32	11.0%	108	37.0%	111	38.0%	38	13.0%	1	293
Marion	4	0.6%	21	3.3%	154	24.0%	428	66.6%	36	5.6%	4	647
Marshall	2	0.6%	4	1.2%	56	17.0%	258	78.4%	9	2.7%	0	329
Mason	2	0.7%	19	7.1%	89	33.2%	139	51.9%	19	7.1%	11	279
Mercer	23	2.8%	70	8.6%	292	35.7%	359	43.9%	73	8.9%	0	817
Mineral	0	0.0%	31	9.7%	151	47.2%	131	40.9%	7	2.2%	0	320
Mingo	0	0.0%	25	7.1%	105	29.9%	121	34.5%	100	28.5%	16	367
Monongalia	3	0.3%	27	2.9%	235	25.5%	587	63.7%	69	7.5%	6	927
Monroe	5	3.8%	11	8.3%	42	31.8%	60	45.5%	14	10.6%	0	132
Morgan	1	0.6%	8	4.9%	34	21.0%	110	67.9%	9	5.6%	0	162
Nicholas	0	0.0%	13	3.9%	129	38.9%	166	50.0%	24	7.2%	0	332
Ohio	2	0.4%	13	2.6%	103	20.4%	376	74.6%	10	2.0%	4	508
Pendleton	0	0.0%	3	3.1%	14	14.4%	62	63.9%	18	18.6%	0	97
Pleasants	0	0.0%	1	1.6%	17	27.0%	33	52.4%	12	19.0%	1	64
Pocahontas	0	0.0%	8	8.2%	31	31.6%	56	57.1%	3	3.1%	3	101
Preston	4	1.1%	27	7.7%	95	27.1%	194	55.3%	31	8.8%	1	352
Putnam	4	0.7%	36	6.0%	216	36.1%	283	47.2%	60	10.0%	2	601
Raleigh	10	1.0%	51	5.3%	185	19.1%	502	51.8%	221	22.8%	1	970
Randolph	0	0.0%	13	4.4%	72	24.6%	170	58.0%	38	13.0%	0	293
Ritchie	0	0.0%	2	2.0%	22	21.8%	59	58.4%	18	17.8%	2	103
Roane	1	0.7%	17	11.8%	51	35.4%	56	38.9%	19	13.2%	4	148
Summers	2	1.6%	2	1.6%	37	30.1%	65	52.8%	17	13.8%	0	123
Taylor	0	0.0%	4	2.0%	38	19.2%	131	66.2%	25	12.6%	0	198
Tucker	0	0.0%	2	2.9%	17	24.6%	46	66.7%	4	5.8%	0	69
Tyler	0	0.0%	2	2.0%	27	27.6%	64	65.3%	5	5.1%	2	100
Upshur	0	0.0%	9	3.4%	43	16.0%	172	64.2%	44	16.4%	0	268
Wayne	2	0.5%	34	8.4%	146	36.1%	179	44.3%	43	10.6%	6	410
Webster	0	0.0%	6	4.5%	52	39.1%	67	50.4%	8	6.0%	1	134
Wetzel	1	0.6%	5	2.9%	43	25.0%	117	68.0%	6	3.5%	2	174
Wirt	1	2.6%	1	2.6%	14	35.9%	17	43.6%	6	15.4%	1	40
Wood	8	0.8%	20	2.0%	208	20.5%	549	54.1%	229	22.6%	23	1,037
Wyoming	1	0.4%	33	12.5%	76	28.9%	123	46.8%	30	11.4%	5	268
Total	130	0.6%	1,147	5.4%	5,820	27.6%	11,578	55.0%	2,386	11.3%	214	21,275

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, 2009

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	24.6	39.2	19.3	12.3	36.3	2.3	3.5
Berkeley	0.3	20.6	64.1	15.7	14.2	30.9	1.7	4.9
Boone	0.0	33.7	40.6	25.1	23.5	36.6	0.0	1.3
Braxton	0.6	34.8	29.6	20.6	15.0	28.3	0.6	2.5
Brooke	0.6	20.4	34.2	20.7	13.9	36.3	1.5	5.2
Cabell	0.3	25.8	43.6	22.1	15.0	32.5	0.8	1.9
Calhoun	0.0	34.1	51.6	19.6	12.0	38.0	0.0	13.0
Clay	0.0	31.1	35.6	15.2	21.2	34.1	0.0	0.8
Doddridge	1.3	29.3	48.1	19.7	18.4	27.3	0.0	6.6
Fayette	0.2	26.8	58.7	18.1	14.5	42.8	5.8	11.9
Gilmer	0.0	18.3	36.6	16.7	20.8	31.0	2.8	8.5
Grant	0.0	33.6	53.7	29.1	17.2	65.7	0.7	4.5
Greenbrier	0.5	26.8	31.3	11.1	10.3	46.0	5.3	25.0
Hampshire	0.4	28.7	38.4	20.3	12.7	34.6	1.3	4.2
Hancock	0.0	25.4	33.3	21.5	14.3	27.3	1.1	6.4
Hardy	0.0	29.7	45.6	25.9	15.8	50.0	1.3	2.5
Harrison	0.0	29.0	43.1	22.9	16.4	27.5	1.1	4.5
Jackson	0.3	27.9	45.8	24.3	14.5	41.8	0.0	12.0
Jefferson	0.3	15.8	47.9	18.4	12.8	36.1	2.1	6.9
Kanawha	0.0	28.4	37.7	27.1	18.1	39.3	0.1	1.0
Lewis	0.0	30.2	38.0	22.4	12.0	30.2	2.1	3.6
Lincoln	0.4	40.1	42.8	25.3	16.0	30.9	1.2	2.8
Logan	0.0	41.2	42.1	29.1	19.7	26.6	0.0	0.5
McDowell	0.3	39.7	44.4	16.4	14.0	28.3	0.7	4.5
Marion	0.3	23.4	41.1	19.3	9.0	31.6	2.3	15.0
Marshall	0.0	29.0	46.8	22.5	15.8	29.2	2.8	5.2
Mason	0.0	31.3	34.4	25.4	14.7	28.0	0.7	0.7
Mercer	0.0	28.8	48.3	21.4	13.0	37.0	1.5	3.7
Mineral	0.3	28.4	47.5	18.8	13.8	25.3	1.9	15.0
Mingo	0.0	35.1	31.0	29.7	28.3	14.3	0.6	1.4
Monongalia	0.8	17.0	22.0	25.2	6.8	25.6	2.1	3.2
Monroe	0.0	25.0	44.3	15.2	15.2	28.2	2.3	10.7
Morgan	0.6	24.8	62.3	19.1	16.0	37.0	1.9	6.2
Nicholas	0.0	27.7	39.9	20.2	17.5	33.5	2.4	6.3
Ohio	0.7	26.1	41.9	20.1	15.0	28.9	0.8	3.1
Pendleton	1.1	12.5	58.8	24.7	21.6	40.2	2.1	11.3
Pleasants	3.5	25.0	57.8	18.8	7.8	31.3	1.6	25.0
Pocahontas	1.0	34.7	30.7	8.9	11.9	48.5	4.0	17.8
Preston	0.3	33.2	29.3	21.6	9.4	43.1	2.6	7.4
Putnam	0.2	19.2	43.4	24.3	22.0	38.7	0.5	0.7
Raleigh	0.0	26.5	65.4	19.1	13.0	41.2	6.9	15.9
Randolph	0.3	33.1	31.1	16.4	15.0	35.2	2.7	6.8
Ritchie	0.0	32.0	60.2	13.6	15.5	33.0	1.9	27.2
Roane	0.0	36.3	33.8	15.5	19.6	29.0	0.0	6.9
Summers	0.0	27.6	49.6	7.4	14.8	43.9	4.1	15.4
Taylor	0.0	24.7	34.3	15.2	17.2	25.8	1.0	6.6
Tucker	1.4	29.0	24.6	13.0	14.5	36.2	2.9	7.2
Tyler	0.0	27.3	44.4	22.0	14.0	35.7	1.0	12.2
Upshur	0.7	29.9	28.1	17.5	10.8	26.6	2.6	2.6
Wayne	0.2	34.5	42.0	21.5	16.4	27.0	1.5	2.7
Webster	0.0	30.6	25.4	15.7	10.4	19.4	3.7	2.2
Wetzel	1.2	31.0	51.4	22.4	19.0	30.2	2.3	11.0
Wirt	0.0	30.0	45.0	30.0	10.0	30.0	0.0	25.0
Wood	1.0	25.9	50.1	23.9	12.2	38.8	1.0	21.7
Wyoming	0.0	34.7	64.8	23.2	13.1	43.6	5.6	10.9
Total	0.3	27.2	44.0	21.5	14.9	34.2	1.8	6.9

Number of Deaths by Race, Gender, and County of Residence
West Virginia, 2009

Table 51

County	White or Caucasian*		Black or African American		All Other Races		Total
	Male	Female	Male	Female	Male	Female	
Barbour	101	86	1	0	0	0	188
Berkeley	408	359	34	26	4	1	832
Boone	166	116	1	1	1	0	285
Braxton	91	71	1	0	0	0	163
Brooke	139	161	1	0	0	1	302
Cabell	515	525	26	20	1	3	1,090
Calhoun	44	44	0	0	0	0	88
Clay	49	51	0	0	0	0	100
Doddridge	37	43	0	0	0	0	80
Fayette	341	291	18	19	1	0	670
Gilmer	53	29	0	0	0	0	82
Grant	62	44	1	1	0	0	108
Greenbrier	203	263	5	11	0	1	483
Hampshire	115	104	0	1	1	0	221
Hancock	217	201	3	7	1	1	430
Hardy	85	59	1	3	2	0	150
Harrison	438	425	5	6	1	0	875
Jackson	157	172	0	0	0	1	330
Jefferson	188	202	16	14	0	3	423
Kanawha	1,143	1,160	65	74	6	6	2,454
Lewis	106	117	0	0	0	0	223
Lincoln	144	120	0	0	0	0	264
Logan	247	244	5	12	0	0	508
McDowell	177	145	18	20	0	0	360
Marion	315	356	9	9	0	0	689
Marshall	176	211	2	0	0	0	389
Mason	164	147	0	1	1	0	313
Mercer	417	421	23	28	0	4	893
Mineral	156	162	4	3	0	1	326
Mingo	187	180	2	2	0	0	371
Monongalia	281	313	9	8	0	3	614
Monroe	86	67	0	0	0	0	153
Morgan	99	91	3	2	0	0	195
Nicholas	169	160	0	0	0	0	329
Ohio	282	311	8	5	1	1	608
Pendleton	28	39	0	1	0	0	68
Pleasants	39	43	0	0	0	0	82
Pocahontas	49	57	0	3	0	1	110
Preston	155	159	1	1	0	0	316
Putnam	257	246	0	2	0	0	505
Raleigh	469	437	40	42	3	1	992
Randolph	175	176	1	0	0	2	354
Ritchie	68	69	1	0	0	1	139
Roane	92	84	1	0	0	0	177
Summers	92	63	2	0	0	0	157
Taylor	84	96	0	0	0	0	180
Tucker	52	55	0	0	0	0	107
Tyler	46	57	0	0	0	0	103
Upshur	131	124	0	1	0	1	257
Wayne	247	234	1	1	0	1	484
Webster	61	56	0	0	0	0	117
Wetzel	121	108	0	0	0	0	229
Wirt	24	31	0	0	0	0	55
Wood	486	524	4	4	1	1	1,020
Wyoming	172	168	2	2	0	0	344
Total	10,406	10,277	314	330	24	34	21,385

Number of Deaths by County of Residence and Occurrence
West Virginia, 2009
Table 52

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	188	132	Monongalia	614	1,289
Berkeley	832	815	Monroe	153	87
Boone	285	168	Morgan	195	139
Braxton	163	126	Nicholas	329	251
Brooke	302	345	Ohio	608	954
Cabell	1,090	1,954	Pendleton	68	40
Calhoun	88	67	Pleasants	82	47
Clay	100	62	Pocahontas	110	83
Doddridge	80	39	Preston	316	194
Fayette	670	423	Putnam	505	376
Gilmer	82	49	Raleigh	992	1,255
Grant	108	131	Randolph	354	385
Greenbrier	483	444	Ritchie	139	68
Hampshire	221	127	Roane	177	120
Hancock	430	162	Summers	157	119
Hardy	150	86	Taylor	180	145
Harrison	875	977	Tucker	107	70
Jackson	330	233	Tyler	103	72
Jefferson	423	335	Upshur	257	201
Kanawha	2,454	3,183	Wayne	484	264
Lewis	223	194	Webster	117	68
Lincoln	264	112	Wetzel	229	205
Logan	508	456	Wirt	55	16
McDowell	360	245	Wood	1,020	1,151
Marion	689	554	Wyoming	344	126
Marshall	389	281			
Mason	313	246			
Mercer	893	967	Total	21,385	21,025
Mineral	326	183			
Mingo	371	204			

West Virginia Bureau for Public Health
Health Statistics Center, 2011

Resident deaths include 1,961 West Virginians dying out of state

Method of Disposition by County of Residence

West Virginia Deaths, 2009

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	144	76.6%	38	20.2%	3	1.6%	2	1.1%	1	0.5%	0	188
Berkeley	436	62.0%	250	35.6%	7	1.0%	4	0.6%	6	0.9%	129	832
Boone	250	88.0%	27	9.5%	3	1.1%	1	0.4%	3	1.1%	1	285
Braxton	133	82.1%	28	17.3%	1	0.6%	0	0.0%	0	0.0%	1	163
Brooke	176	58.7%	66	22.0%	3	1.0%	48	16.0%	7	2.3%	2	302
Cabell	788	72.4%	224	20.6%	21	1.9%	11	1.0%	45	4.1%	1	1,090
Calhoun	65	73.9%	20	22.7%	0	0.0%	3	3.4%	0	0.0%	0	88
Clay	82	83.7%	13	13.3%	1	1.0%	2	2.0%	0	0.0%	2	100
Doddridge	54	67.5%	24	30.0%	1	1.3%	1	1.3%	0	0.0%	0	80
Fayette	501	75.5%	109	16.4%	7	1.1%	3	0.5%	44	6.6%	6	670
Gilmer	59	73.8%	16	20.0%	3	3.8%	2	2.5%	0	0.0%	2	82
Grant	87	90.6%	6	6.3%	2	2.1%	0	0.0%	1	1.0%	12	108
Greenbrier	322	71.6%	98	21.8%	3	0.7%	4	0.9%	23	5.1%	33	483
Hampshire	79	55.6%	61	43.0%	0	0.0%	2	1.4%	0	0.0%	79	221
Hancock	229	53.3%	84	19.5%	0	0.0%	81	18.8%	36	8.4%	0	430
Hardy	96	84.2%	17	14.9%	1	0.9%	0	0.0%	0	0.0%	36	150
Harrison	629	72.1%	204	23.4%	17	1.9%	4	0.5%	18	2.1%	3	875
Jackson	252	76.8%	49	14.9%	9	2.7%	11	3.4%	7	2.1%	2	330
Jefferson	194	57.4%	135	39.9%	6	1.8%	2	0.6%	1	0.3%	85	423
Kanawha	1,568	64.2%	613	25.1%	73	3.0%	23	0.9%	166	6.8%	11	2,454
Lewis	180	81.1%	39	17.6%	2	0.9%	1	0.5%	0	0.0%	1	223
Lincoln	231	87.5%	25	9.5%	1	0.4%	2	0.8%	5	1.9%	0	264
Logan	407	80.4%	75	14.8%	5	1.0%	8	1.6%	11	2.2%	2	508
McDowell	272	83.2%	41	12.5%	0	0.0%	6	1.8%	8	2.4%	33	360
Marion	506	74.1%	143	20.9%	13	1.9%	5	0.7%	16	2.3%	6	689
Marshall	244	62.7%	114	29.3%	4	1.0%	7	1.8%	20	5.1%	0	389
Mason	221	70.6%	51	16.3%	4	1.3%	35	11.2%	2	0.6%	0	313
Mercer	620	75.6%	146	17.8%	4	0.5%	12	1.5%	38	4.6%	73	893
Mineral	123	69.5%	46	26.0%	5	2.8%	1	0.6%	2	1.1%	149	326
Mingo	329	88.9%	35	9.5%	0	0.0%	2	0.5%	4	1.1%	1	371
Monongalia	418	68.8%	160	26.3%	11	1.8%	4	0.7%	15	2.5%	6	614
Monroe	85	70.8%	31	25.8%	1	0.8%	2	1.7%	1	0.8%	33	153
Morgan	94	64.8%	50	34.5%	0	0.0%	1	0.7%	0	0.0%	50	195
Nicholas	261	80.3%	54	16.6%	5	1.5%	2	0.6%	3	0.9%	4	329
Ohio	372	61.5%	181	29.9%	9	1.5%	4	0.7%	39	6.4%	3	608
Pendleton	40	83.3%	6	12.5%	0	0.0%	2	4.2%	0	0.0%	20	68
Pleasants	62	75.6%	14	17.1%	0	0.0%	6	7.3%	0	0.0%	0	82
Pocahontas	78	76.5%	21	20.6%	0	0.0%	3	2.9%	0	0.0%	8	110
Preston	226	75.3%	62	20.7%	7	2.3%	1	0.3%	4	1.3%	16	316
Putnam	368	73.2%	100	19.9%	7	1.4%	8	1.6%	20	4.0%	2	505
Raleigh	715	73.3%	169	17.3%	9	0.9%	10	1.0%	72	7.4%	17	992
Randolph	273	77.8%	70	19.9%	3	0.9%	3	0.9%	2	0.6%	3	354
Ritchie	101	73.2%	28	20.3%	2	1.4%	7	5.1%	0	0.0%	1	139
Roane	141	79.7%	31	17.5%	3	1.7%	1	0.6%	1	0.6%	0	177
Summers	126	84.6%	22	14.8%	1	0.7%	0	0.0%	0	0.0%	8	157
Taylor	139	77.7%	30	16.8%	9	5.0%	0	0.0%	1	0.6%	1	180
Tucker	82	81.2%	17	16.8%	0	0.0%	2	2.0%	0	0.0%	6	107
Tyler	74	72.5%	26	25.5%	1	1.0%	0	0.0%	1	1.0%	1	103
Upshur	202	79.2%	47	18.4%	5	2.0%	1	0.4%	0	0.0%	2	257
Wayne	409	84.7%	54	11.2%	2	0.4%	10	2.1%	8	1.7%	1	484
Webster	87	75.0%	26	22.4%	2	1.7%	1	0.9%	0	0.0%	1	117
Wetzel	172	75.1%	49	21.4%	4	1.7%	3	1.3%	1	0.4%	0	229
Wirt	39	70.9%	13	23.6%	0	0.0%	0	0.0%	3	5.5%	0	55
Wood	698	68.4%	254	24.9%	23	2.3%	29	2.8%	16	1.6%	0	1,020
Wyoming	277	81.7%	43	12.7%	0	0.0%	5	1.5%	14	4.1%	5	344
Total	14,816	72.2%	4,355	21.2%	303	1.5%	388	1.9%	665	3.2%	858	21,385

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, 2009
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	81.1%	24	18.2%	1	0.8%	0	0.0%	0	0.0%	0	132
Berkeley	490	60.1%	312	38.3%	8	1.0%	0	0.0%	5	0.6%	0	815
Boone	153	91.1%	13	7.7%	2	1.2%	0	0.0%	0	0.0%	0	168
Braxton	105	83.3%	21	16.7%	0	0.0%	0	0.0%	0	0.0%	0	126
Brooke	228	66.1%	97	28.1%	2	0.6%	1	0.3%	17	4.9%	0	345
Cabell	1,525	78.1%	336	17.2%	23	1.2%	4	0.2%	65	3.3%	1	1,954
Calhoun	50	74.6%	16	23.9%	0	0.0%	0	0.0%	1	1.5%	0	67
Clay	55	88.7%	6	9.7%	1	1.6%	0	0.0%	0	0.0%	0	62
Doddridge	25	64.1%	14	35.9%	0	0.0%	0	0.0%	0	0.0%	0	39
Fayette	319	75.4%	70	16.5%	4	0.9%	0	0.0%	30	7.1%	0	423
Gilmer	33	68.8%	13	27.1%	2	4.2%	0	0.0%	0	0.0%	1	49
Grant	117	89.3%	11	8.4%	2	1.5%	0	0.0%	1	0.8%	0	131
Greenbrier	328	73.9%	94	21.2%	3	0.7%	0	0.0%	19	4.3%	0	444
Hampshire	68	53.5%	59	46.5%	0	0.0%	0	0.0%	0	0.0%	0	127
Hancock	101	62.3%	43	26.5%	0	0.0%	0	0.0%	18	11.1%	0	162
Hardy	66	76.7%	19	22.1%	1	1.2%	0	0.0%	0	0.0%	0	86
Harrison	712	72.9%	225	23.0%	23	2.4%	0	0.0%	17	1.7%	0	977
Jackson	188	81.0%	36	15.5%	5	2.2%	1	0.4%	2	0.9%	1	233
Jefferson	200	59.7%	126	37.6%	6	1.8%	1	0.3%	2	0.6%	0	335
Kanawha	2,182	68.6%	734	23.1%	79	2.5%	3	0.1%	183	5.8%	2	3,183
Lewis	153	78.9%	39	20.1%	2	1.0%	0	0.0%	0	0.0%	0	194
Lincoln	103	92.0%	6	5.4%	0	0.0%	0	0.0%	3	2.7%	0	112
Logan	379	83.1%	59	12.9%	5	1.1%	1	0.2%	12	2.6%	0	456
McDowell	201	82.0%	39	15.9%	0	0.0%	0	0.0%	5	2.0%	0	245
Marion	421	76.1%	109	19.7%	8	1.4%	1	0.2%	14	2.5%	1	554
Marshall	194	69.0%	75	26.7%	1	0.4%	0	0.0%	11	3.9%	0	281
Mason	199	80.9%	43	17.5%	3	1.2%	0	0.0%	1	0.4%	0	246
Mercer	752	77.8%	165	17.1%	4	0.4%	1	0.1%	44	4.6%	1	967
Mineral	130	71.0%	45	24.6%	5	2.7%	0	0.0%	3	1.6%	0	183
Mingo	180	88.2%	22	10.8%	0	0.0%	0	0.0%	2	1.0%	0	204
Monongalia	926	71.8%	304	23.6%	27	2.1%	4	0.3%	28	2.2%	0	1,289
Monroe	59	67.8%	26	29.9%	1	1.1%	0	0.0%	1	1.1%	0	87
Morgan	88	63.3%	50	36.0%	1	0.7%	0	0.0%	0	0.0%	0	139
Nicholas	195	77.7%	50	19.9%	3	1.2%	0	0.0%	3	1.2%	0	251
Ohio	593	62.4%	287	30.2%	13	1.4%	3	0.3%	55	5.8%	3	954
Pendleton	33	82.5%	6	15.0%	0	0.0%	1	2.5%	0	0.0%	0	40
Pleasants	37	78.7%	10	21.3%	0	0.0%	0	0.0%	0	0.0%	0	47
Pocahontas	68	81.9%	15	18.1%	0	0.0%	0	0.0%	0	0.0%	0	83
Preston	142	73.2%	46	23.7%	3	1.5%	0	0.0%	3	1.5%	0	194
Putnam	267	71.0%	83	22.1%	6	1.6%	2	0.5%	18	4.8%	0	376
Raleigh	939	74.9%	220	17.5%	11	0.9%	0	0.0%	84	6.7%	1	1,255
Randolph	288	74.8%	88	22.9%	6	1.6%	0	0.0%	3	0.8%	0	385
Ritchie	55	80.9%	12	17.6%	1	1.5%	0	0.0%	0	0.0%	0	68
Roane	99	82.5%	16	13.3%	3	2.5%	0	0.0%	2	1.7%	0	120
Summers	104	87.4%	14	11.8%	1	0.8%	0	0.0%	0	0.0%	0	119
Taylor	108	74.5%	28	19.3%	8	5.5%	0	0.0%	1	0.7%	0	145
Tucker	57	81.4%	13	18.6%	0	0.0%	0	0.0%	0	0.0%	0	70
Tyler	58	80.6%	12	16.7%	1	1.4%	0	0.0%	1	1.4%	0	72
Upshur	158	79.0%	40	20.0%	2	1.0%	0	0.0%	0	0.0%	1	201
Wayne	225	85.2%	36	13.6%	1	0.4%	2	0.8%	0	0.0%	0	264
Webster	54	79.4%	13	19.1%	1	1.5%	0	0.0%	0	0.0%	0	68
Wetzel	150	73.2%	49	23.9%	4	2.0%	1	0.5%	1	0.5%	0	205
Wirt	9	56.3%	7	43.8%	0	0.0%	0	0.0%	0	0.0%	0	16
Wood	845	73.4%	267	23.2%	24	2.1%	1	0.1%	14	1.2%	0	1,151
Wyoming	102	81.0%	18	14.3%	0	0.0%	0	0.0%	6	4.8%	0	126
Total	15,423	73.4%	4,581	21.8%	307	1.5%	27	0.1%	675	3.2%	12	21,025

Number of Deaths by County of Residence
West Virginia, 2005-2009
Table 54

County	2005	2006	2007	2008	2009	County	2005	2006	2007	2008	2009
Barbour	195	200	164	178	188	Monongalia	632	599	626	635	614
Berkeley	710	740	736	809	832	Monroe	161	145	165	165	153
Boone	302	332	347	366	285	Morgan	183	187	183	196	195
Braxton	148	184	183	183	163	Nicholas	318	324	320	326	329
Brooke	312	338	349	308	302	Ohio	552	551	611	570	608
Cabell	1,225	1,129	1,259	1,253	1,090	Pendleton	92	95	97	106	68
Calhoun	98	78	88	90	88	Pleasants	102	69	79	83	82
Clay	123	136	121	122	100	Pocahontas	127	123	117	106	110
Doddridge	84	80	63	80	80	Preston	310	304	328	346	316
Fayette	586	608	646	626	670	Putnam	480	451	471	536	505
Gilmer	82	105	87	81	82	Raleigh	891	898	962	918	992
Grant	125	122	111	116	108	Randolph	328	337	307	338	354
Greenbrier	472	441	426	497	483	Ritchie	109	134	119	128	139
Hampshire	206	189	203	209	221	Roane	165	179	203	189	177
Hancock	441	393	403	419	430	Summers	150	146	152	197	157
Hardy	128	132	138	129	150	Taylor	180	165	171	195	180
Harrison	834	828	854	824	875	Tucker	90	77	86	84	107
Jackson	330	305	317	345	330	Tyler	107	105	112	109	103
Jefferson	379	381	433	400	423	Upshur	261	260	272	237	257
Kanawha	2,489	2,398	2,439	2,572	2,454	Wayne	508	465	433	446	484
Lewis	234	235	240	219	223	Webster	110	127	121	110	117
Lincoln	242	254	263	268	264	Wetzel	185	220	205	207	229
Logan	526	507	484	498	508	Wirt	73	59	49	68	55
McDowell	348	380	374	373	360	Wood	939	935	948	1,020	1,020
Marion	657	670	696	730	689	Wyoming	296	289	312	315	344
Marshall	394	388	374	406	389	Total	20,773	20,649	21,067	21,551	21,385
Mason	311	321	294	309	313						
Mercer	795	819	897	849	893						
Mineral	313	321	277	282	326						
Mingo	335	391	352	380	371						

Age at Death by County of Residence
West Virginia, 2009
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	188	1	0	0	0	2	0	3	7	22	25	36	44	48	70.9
Berkeley	832	18	4	1	3	2	9	17	26	82	134	150	222	164	68.4
Boone	285	0	1	0	1	0	2	8	15	20	49	57	80	52	70.1
Braxton	163	0	0	0	0	5	1	2	1	11	21	36	46	40	72.6
Brooke	302	0	0	0	0	0	0	7	10	21	36	53	75	100	74.5
Cabell	1,090	5	0	1	1	2	8	12	41	92	137	192	312	287	72.5
Calhoun	88	1	0	0	0	0	2	2	3	9	10	20	19	22	69.5
Clay	100	1	1	0	0	0	1	5	3	9	17	18	25	20	68.2
Doddridge	80	1	0	0	0	0	2	0	0	4	13	19	25	16	72.4
Fayette	670	8	0	1	1	4	3	17	19	69	93	141	156	158	70.2
Gilmer	82	1	0	1	0	0	0	3	3	6	12	16	23	17	69.4
Grant	108	0	1	1	0	0	3	3	1	10	15	24	27	23	69.1
Greenbrier	483	6	0	0	1	1	6	8	10	22	52	78	146	153	74.3
Hampshire	221	0	0	0	0	1	1	2	10	20	35	43	57	52	71.5
Hancock	430	0	2	0	0	1	1	5	9	28	35	72	137	140	76.2
Hardy	150	1	1	1	0	0	2	5	4	13	13	33	41	36	70.6
Harrison	875	10	1	0	0	3	6	12	34	58	95	146	250	260	73.2
Jackson	330	2	0	0	0	2	1	4	12	23	44	71	85	86	72.4
Jefferson	423	6	1	0	1	4	2	11	17	36	58	94	101	92	68.9
Kanawha	2,454	26	2	0	4	10	11	35	71	196	303	406	707	683	72.7
Lewis	223	2	1	0	0	1	1	5	7	16	29	32	65	64	72.7
Lincoln	264	1	0	0	0	0	2	11	11	13	39	66	61	60	70.6
Logan	508	4	1	1	1	0	5	10	24	55	88	112	100	107	68.4
McDowell	360	4	0	0	0	3	0	11	19	30	73	66	93	61	67.9
Marion	689	2	0	1	1	2	6	6	20	42	79	128	185	217	74.5
Marshall	389	1	1	0	0	1	2	4	8	22	54	70	112	114	74.2
Mason	313	2	0	0	0	1	0	8	20	19	57	54	81	71	70.1
Mercer	893	7	0	0	0	1	7	17	37	68	112	160	240	244	72.4
Mineral	326	1	0	1	0	1	4	4	3	30	38	62	78	104	73.8
Mingo	371	3	1	0	1	1	0	10	19	34	75	76	87	64	67.9
Monongalia	614	5	0	0	0	4	3	8	16	34	74	113	166	191	74.1
Monroe	153	0	1	0	1	0	1	4	3	16	20	31	36	40	71.7
Morgan	195	3	0	0	0	1	1	4	8	13	28	38	48	51	71.1
Nicholas	329	3	0	0	1	2	3	9	15	30	47	67	82	70	69.1
Ohio	608	4	1	1	1	1	1	5	17	28	72	92	175	210	75.6
Pendleton	68	0	0	0	0	1	0	1	0	6	4	13	20	23	76.4
Pleasants	82	0	0	0	0	1	1	2	1	4	11	17	19	26	74.0
Pocahontas	110	3	0	0	0	0	0	2	0	5	10	21	31	38	75.3
Preston	316	5	1	0	0	4	4	5	6	18	54	61	69	89	71.1
Putnam	505	0	1	0	1	2	5	13	23	40	63	79	127	151	72.1
Raleigh	992	3	1	1	3	3	4	24	38	78	146	192	272	227	71.1
Randolph	354	4	0	0	0	2	3	4	6	23	41	62	103	106	74.0
Ritchie	139	0	0	0	0	0	1	0	4	14	14	30	28	48	74.9
Roane	177	0	1	0	0	0	0	7	1	20	12	31	54	51	73.7
Summers	157	2	0	0	0	0	1	4	5	14	23	20	47	41	71.8
Taylor	180	2	0	0	0	1	1	2	4	8	25	41	39	57	73.8
Tucker	107	0	0	1	0	0	0	2	1	6	9	21	34	33	75.6
Tyler	103	0	0	0	0	0	0	1	7	5	11	23	31	25	73.3
Upshur	257	2	1	0	1	3	2	6	3	20	31	41	62	85	72.8
Wayne	484	3	1	0	1	2	3	14	11	45	61	120	124	99	70.3
Webster	117	1	0	0	0	0	1	3	4	11	15	23	28	31	71.5
Wetzel	229	1	1	0	0	1	1	6	2	13	25	41	72	66	74.4
Wirt	55	0	0	0	0	0	1	0	1	4	4	13	14	18	75.0
Wood	1,020	10	2	0	1	2	6	11	20	71	137	184	273	303	73.5
Wyoming	344	2	0	0	0	1	1	9	17	32	53	93	76	60	68.8
Total	21,385	167	29	12	25	79	132	393	677	1,638	2,831	3,998	5,710	5,694	72.1

Place Death Occurred by County of Residence
West Virginia, 2009
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	69	6	11	0	23	4	57	18	188
Berkeley	248	117	3	0	155	9	259	41	832
Boone	109	4	2	0	24	4	77	65	285
Braxton	58	0	0	0	23	0	68	14	163
Brooke	81	57	1	0	75	8	69	11	302
Cabell	397	21	7	0	125	18	272	250	1,090
Calhoun	21	2	1	20	5	0	26	13	88
Clay	29	2	1	1	8	0	42	17	100
Doddridge	23	2	0	0	13	1	36	5	80
Fayette	278	13	5	0	87	5	161	121	670
Gilmer	31	1	1	1	12	0	29	7	82
Grant	33	12	0	0	19	0	37	7	108
Greenbrier	173	28	2	0	94	8	139	39	483
Hampshire	32	69	0	0	32	0	62	26	221
Hancock	116	109	0	0	88	17	82	18	430
Hardy	24	29	0	0	28	1	53	15	150
Harrison	377	17	12	0	134	9	290	36	875
Jackson	144	18	1	0	44	2	91	30	330
Jefferson	109	81	5	0	74	0	126	28	423
Kanawha	943	34	2	0	272	42	641	520	2,454
Lewis	96	5	1	0	34	5	66	16	223
Lincoln	103	0	2	0	19	0	79	61	264
Logan	267	10	1	0	52	1	97	80	508
McDowell	141	35	15	0	32	7	57	73	360
Marion	253	17	2	0	136	25	215	41	689
Marshall	187	13	3	0	71	2	91	22	389
Mason	97	29	3	0	56	1	88	39	313
Mercer	366	63	7	0	117	27	248	65	893
Mineral	50	120	1	0	73	0	62	20	326
Mingo	145	71	11	0	18	5	59	62	371
Monongalia	229	12	2	0	99	10	240	22	614
Monroe	34	29	0	0	20	4	51	15	153
Morgan	38	46	2	0	35	0	62	12	195
Nicholas	136	7	5	1	52	1	89	38	329
Ohio	254	30	3	0	137	4	135	45	608
Pendleton	8	18	2	0	17	0	15	8	68
Pleasants	36	4	0	0	15	0	21	6	82
Pocahontas	40	10	1	1	18	0	33	7	110
Preston	119	23	4	0	47	1	100	22	316
Putnam	190	6	1	0	60	16	140	92	505
Raleigh	469	25	22	0	93	4	181	198	992
Randolph	116	5	47	0	55	4	64	63	354
Ritchie	51	7	0	3	33	1	38	6	139
Roane	69	2	0	0	28	6	47	25	177
Summers	60	7	2	0	29	1	36	22	157
Taylor	80	3	2	0	27	5	57	6	180
Tucker	27	9	3	0	23	2	36	7	107
Tyler	43	2	1	0	16	0	26	15	103
Upshur	100	4	1	0	41	11	89	11	257
Wayne	147	35	4	0	41	9	135	113	484
Webster	69	0	1	0	16	0	23	8	117
Wetzel	89	10	1	0	46	0	65	18	229
Wirt	24	1	1	2	10	1	14	2	55
Wood	418	74	3	0	207	6	270	42	1,020
Wyoming	162	10	13	0	25	3	44	87	344
Total	8,008	1,364	221	29	3,133	290	5,690	2,650	21,385

Firearm Injury Deaths by Type of Injury and County
West Virginia Residents, 2009

Table 57

County	Un-intentional	Intentional			Un-determined	Total
		Suicide	Assault	Legal Intervention		
Barbour	0	2	2	0	0	4
Berkeley	0	9	1	0	0	10
Boone	0	4	1	0	0	5
Braxton	0	1	0	0	0	1
Brooke	0	2	0	0	0	2
Cabell	0	7	3	1	0	11
Calhoun	0	2	2	0	0	4
Clay	0	3	0	0	0	3
Doddridge	0	2	0	0	0	2
Fayette	0	4	0	0	0	4
Gilmer	0	0	0	0	0	0
Grant	0	2	1	0	0	3
Greenbrier	0	2	1	0	0	3
Hampshire	0	3	0	0	0	3
Hancock	0	1	0	0	0	1
Hardy	0	1	3	0	0	4
Harrison	0	7	0	0	1	8
Jackson	0	5	0	0	0	5
Jefferson	0	1	1	0	0	2
Kanawha	0	23	6	2	0	31
Lewis	0	3	2	0	0	5
Lincoln	0	2	1	0	0	3
Logan	0	6	1	0	0	7
McDowell	0	1	1	0	0	2
Marion	0	9	2	0	0	11
Marshall	1	4	0	0	0	5
Mason	0	1	1	0	0	2
Mercer	0	8	4	0	0	12
Mineral	0	2	1	0	0	3
Mingo	0	3	1	0	0	4
Monongalia	0	9	0	0	0	9
Monroe	0	1	0	0	0	1
Morgan	0	1	1	0	0	2
Nicholas	0	1	2	0	0	3
Ohio	1	3	1	0	0	5
Pendleton	0	1	0	0	0	1
Pleasants	0	2	0	0	0	2
Pocahontas	0	0	0	0	0	0
Preston	0	7	2	0	0	9
Putnam	0	6	1	0	0	7
Raleigh	0	7	3	0	0	10
Randolph	0	5	0	0	0	5
Ritchie	0	1	0	0	0	1
Roane	0	2	0	0	0	2
Summers	0	2	0	0	0	2
Taylor	0	1	0	0	0	1
Tucker	0	2	0	0	0	2
Tyler	0	1	0	0	0	1
Upshur	0	3	0	0	0	3
Wayne	0	5	5	0	0	10
Webster	0	1	1	0	0	2
Wetzel	0	1	1	0	0	2
Wirt	0	0	0	0	0	0
Wood	0	6	4	0	0	10
Wyoming	0	2	1	0	1	4
Total	2	190	57	3	2	254

Number and Rate of Resident Infant Deaths by County
West Virginia Residents, 2005-2009

Table 58

County	2005		2006		2007		2008		2009	
	Number	Rate*								
Barbour	2	10.5	2	13.0	1	5.2	0	0.0	1	5.8
Berkeley	12	9.2	9	6.7	11	7.3	16	11.2	18	13.3
Boone	3	9.7	4	12.1	3	9.3	4	11.3	0	0.0
Braxton	3	20.8	0	0.0	2	11.4	1	6.8	0	0.0
Brooke	1	4.4	1	4.8	1	4.5	1	4.5	0	0.0
Cabell	11	9.6	12	9.9	18	14.6	13	10.3	5	4.0
Calhoun	0	0.0	2	23.8	0	0.0	0	0.0	1	10.9
Clay	0	0.0	0	0.0	2	13.6	1	7.0	1	7.6
Doddridge	0	0.0	0	0.0	1	15.4	0	0.0	1	13.0
Fayette	4	6.8	3	5.3	3	4.8	4	7.0	8	13.2
Gilmer	1	12.7	2	28.2	0	0.0	0	0.0	1	13.9
Grant	0	0.0	0	0.0	1	8.0	1	7.9	0	0.0
Greenbrier	3	7.9	2	5.3	2	5.0	1	2.5	6	15.1
Hampshire	5	21.1	1	4.3	1	3.7	0	0.0	0	0.0
Hancock	0	0.0	2	6.5	2	6.3	4	12.1	0	0.0
Hardy	0	0.0	2	12.7	2	11.3	1	6.1	1	6.3
Harrison	9	10.9	0	0.0	2	2.5	12	14.0	10	12.1
Jackson	3	9.0	1	3.2	1	3.0	3	8.2	2	6.2
Jefferson	3	4.6	4	6.0	3	4.1	2	2.9	6	9.6
Kanawha	18	7.9	12	5.2	18	7.6	19	7.9	26	11.4
Lewis	2	9.2	2	11.5	2	8.6	1	5.0	2	10.4
Lincoln	4	13.8	1	3.5	1	3.7	1	3.7	1	3.9
Logan	3	7.0	2	4.8	4	8.7	1	2.4	4	9.4
McDowell	4	14.5	7	23.6	1	3.4	5	16.6	4	13.7
Marion	3	4.9	2	3.3	2	3.0	10	16.0	2	3.1
Marshall	0	0.0	2	6.3	1	2.8	5	15.2	1	3.0
Mason	2	6.5	4	13.2	5	14.7	2	6.4	2	7.2
Mercer	2	2.8	5	7.0	7	9.3	5	6.1	7	8.6
Mineral	7	25.5	3	10.1	1	3.0	1	3.1	1	3.1
Mingo	5	13.5	4	10.9	5	12.6	5	14.4	3	8.2
Monongalia	7	7.9	8	8.7	2	2.2	5	5.4	5	5.4
Monroe	0	0.0	0	0.0	2	14.1	0	0.0	0	0.0
Morgan	1	6.3	2	12.5	0	0.0	1	6.3	3	18.5
Nicholas	3	9.2	2	6.8	5	15.4	3	9.6	3	9.0
Ohio	5	9.7	4	8.3	4	7.9	2	4.3	4	7.9
Pendleton	0	0.0	0	0.0	0	0.0	1	13.5	0	0.0
Pleasants	2	35.1	0	0.0	0	0.0	0	0.0	0	0.0
Pocahontas	1	13.2	2	20.8	0	0.0	0	0.0	3	29.7
Preston	1	3.4	3	8.5	4	11.6	2	5.4	5	14.2
Putnam	4	6.2	3	4.9	3	4.7	3	4.9	0	0.0
Raleigh	7	7.6	14	15.6	6	6.1	6	6.5	3	3.1
Randolph	4	11.3	1	3.2	2	5.8	6	18.4	4	13.7
Ritchie	0	0.0	3	31.9	1	9.6	0	0.0	0	0.0
Roane	0	0.0	0	0.0	1	5.7	0	0.0	0	0.0
Summers	1	9.3	1	8.7	2	16.4	1	8.6	2	16.3
Taylor	2	13.8	2	12.3	0	0.0	1	6.2	2	10.1
Tucker	0	0.0	0	0.0	2	24.1	0	0.0	0	0.0
Tyler	0	0.0	2	22.5	1	10.4	0	0.0	0	0.0
Upshur	2	7.4	4	13.7	1	3.7	2	7.8	2	7.5
Wayne	5	11.3	3	6.4	4	8.7	4	8.7	3	7.3
Webster	1	9.4	0	0.0	1	8.5	1	9.2	1	7.5
Wetzel	1	4.6	2	9.8	1	6.1	1	5.8	1	5.7
Wirt	0	0.0	0	0.0	0	0.0	1	16.1	0	0.0
Wood	10	9.8	8	8.2	14	13.4	5	5.2	10	9.6
Wyoming	1	3.7	0	0.0	4	16.0	2	7.7	2	7.5
Total	168	8.1	155	7.4	163	7.4	166	7.7	167	7.8

West Virginia Bureau for Public Health
Health Statistics Center, 2011

*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, 2005-2009

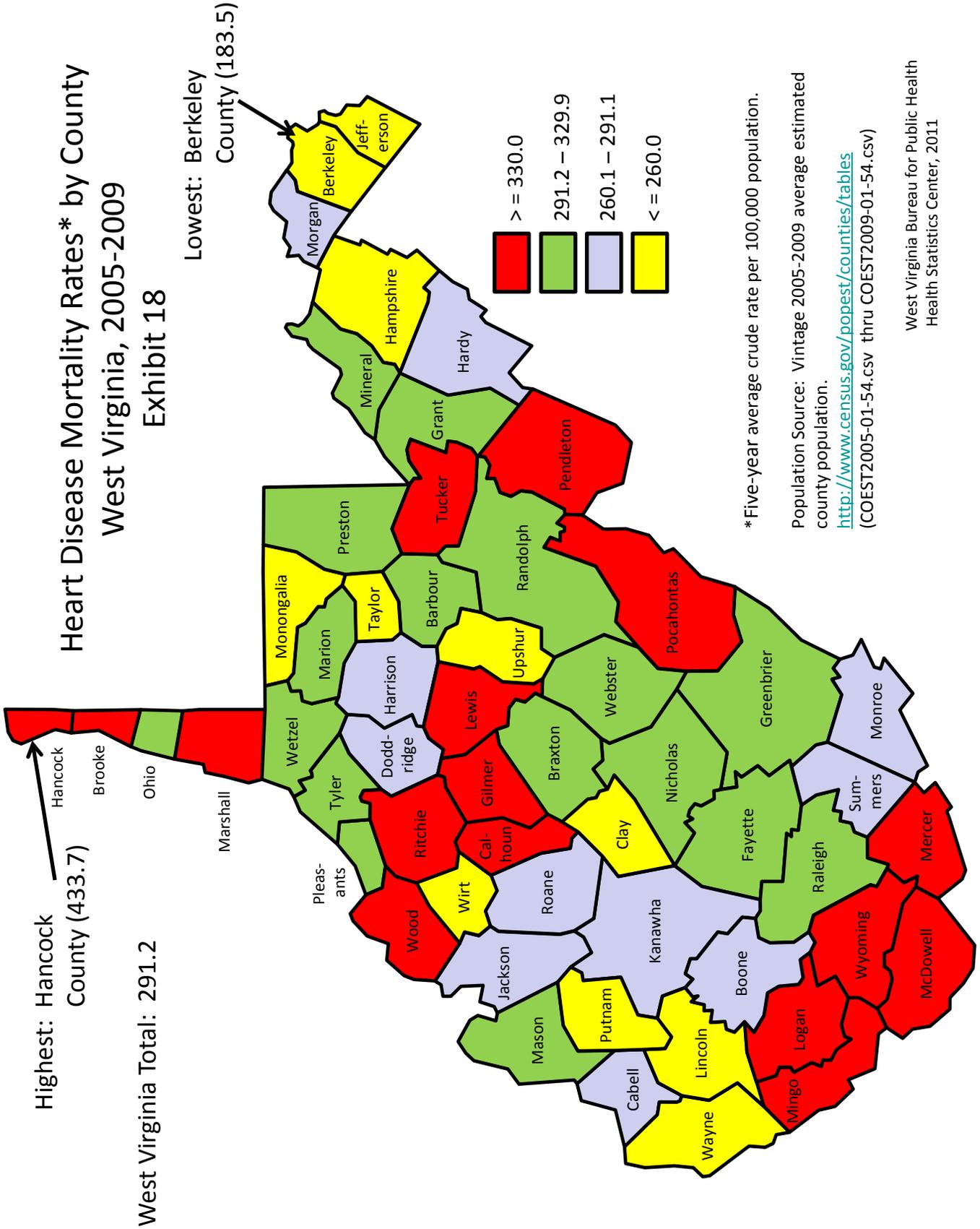
Table 59

County	2005		2006		2007		2008		2009	
	Number	Ratio*								
Barbour	1	5.3	0	0.0	3	15.5	1	5.7	2	11.7
Berkeley	6	4.6	4	3.0	10	6.6	3	2.1	10	7.4
Boone	7	22.7	4	12.1	3	9.3	1	2.8	5	15.3
Braxton	0	0.0	0	0.0	2	11.4	0	0.0	1	6.3
Brooke	2	8.9	1	4.8	2	9.1	3	13.5	2	9.6
Cabell	8	7.0	9	7.4	4	3.2	7	5.6	9	7.1
Calhoun	1	11.2	0	0.0	0	0.0	0	0.0	1	10.9
Clay	0	0.0	2	14.7	1	6.8	1	7.0	0	0.0
Doddridge	1	13.3	0	0.0	0	0.0	1	13.5	1	13.0
Fayette	1	1.7	2	3.5	8	12.7	5	8.8	6	9.9
Gilmer	0	0.0	1	14.1	1	12.5	0	0.0	0	0.0
Grant	0	0.0	0	0.0	1	8.0	0	0.0	0	0.0
Greenbrier	3	7.9	2	5.3	3	7.5	0	0.0	1	2.5
Hampshire	1	4.2	0	0.0	0	0.0	2	7.6	1	4.2
Hancock	3	9.2	1	3.2	0	0.0	0	0.0	3	10.2
Hardy	0	0.0	0	0.0	1	5.6	0	0.0	0	0.0
Harrison	8	9.7	4	4.7	3	3.7	2	2.3	4	4.8
Jackson	2	6.0	4	12.7	0	0.0	0	0.0	2	6.2
Jefferson	2	3.1	1	1.5	2	2.8	2	2.9	1	1.6
Kanawha	17	7.5	18	7.8	6	2.5	16	6.7	20	8.8
Lewis	0	0.0	7	40.2	2	8.6	2	9.9	1	5.2
Lincoln	0	0.0	2	7.0	4	14.9	0	0.0	3	11.7
Logan	2	4.7	2	4.8	6	13.1	2	4.8	2	4.7
McDowell	1	3.6	2	6.8	2	6.8	1	3.3	2	6.8
Marion	4	6.5	5	8.3	5	7.5	1	1.6	1	1.5
Marshall	1	3.3	1	3.2	1	2.8	1	3.0	2	6.1
Mason	1	3.2	3	9.9	2	5.9	3	9.6	1	3.6
Mercer	3	4.3	3	4.2	2	2.6	3	3.7	5	6.1
Mineral	1	3.6	0	0.0	0	0.0	0	0.0	0	0.0
Mingo	3	8.1	1	2.7	2	5.1	2	5.7	1	2.7
Monongalia	2	2.3	3	3.3	6	6.6	2	2.2	4	4.3
Monroe	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Morgan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nicholas	0	0.0	1	3.4	1	3.1	0	0.0	7	21.1
Ohio	0	0.0	4	8.3	4	7.9	2	4.3	3	5.9
Pendleton	0	0.0	0	0.0	0	0.0	1	13.5	0	0.0
Pleasants	0	0.0	0	0.0	0	0.0	1	13.0	3	46.9
Pocahontas	0	0.0	1	10.4	2	20.6	2	21.7	0	0.0
Preston	1	3.4	1	2.8	1	2.9	0	0.0	0	0.0
Putnam	6	9.3	1	1.6	2	3.1	6	9.8	1	1.7
Raleigh	5	5.4	8	8.9	10	10.1	6	6.5	5	5.2
Randolph	1	2.8	3	9.5	0	0.0	4	12.3	1	3.4
Ritchie	0	0.0	2	21.3	0	0.0	0	0.0	0	0.0
Roane	0	0.0	2	12.7	1	5.7	0	0.0	0	0.0
Summers	1	9.3	3	26.1	1	8.2	0	0.0	1	8.1
Taylor	2	13.8	0	0.0	1	6.1	0	0.0	0	0.0
Tucker	0	0.0	0	0.0	0	0.0	0	0.0	1	14.5
Tyler	2	21.1	2	22.5	0	0.0	0	0.0	1	10.0
Upshur	4	14.8	1	3.4	1	3.7	1	3.9	2	7.5
Wayne	2	4.5	1	2.1	0	0.0	1	2.2	1	2.4
Webster	1	9.4	0	0.0	0	0.0	1	9.2	1	7.5
Wetzel	0	0.0	2	9.8	0	0.0	2	11.7	0	0.0
Wirt	1	18.9	0	0.0	0	0.0	0	0.0	0	0.0
Wood	8	7.8	5	5.1	9	8.6	5	5.2	1	1.0
Wyoming	0	0.0	1	3.7	1	4.0	1	3.9	2	7.5
Total	115	5.5	120	5.7	116	5.3	94	4.4	121	5.7

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

Heart Disease Mortality Rates* by County West Virginia, 2005-2009 Exhibit 18



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

Population Source: Vintage 2005-2009 average estimated county population.

<http://www.census.gov/popest/counties/tables/COEST2005-01-54.csv> thru COEST2009-01-54.csv

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Malignant Neoplasm Mortality Rates* by County

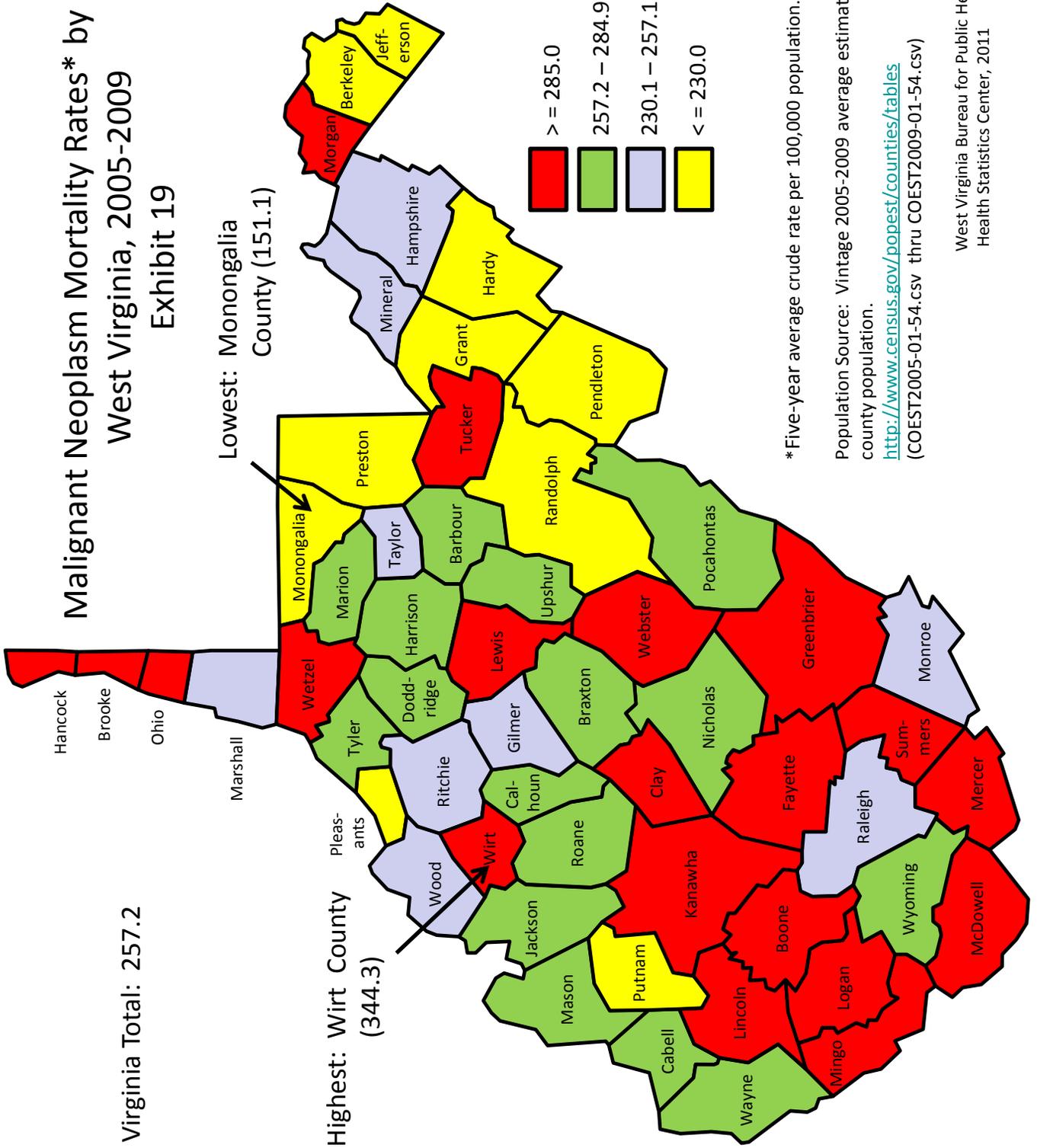
West Virginia, 2005-2009

Exhibit 19

West Virginia Total: 257.2

Lowest: Monongalia County (151.1)

Highest: Wirt County (344.3)



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

Population Source: Vintage 2005-2009 average estimated county population.

<http://www.census.gov/popest/counties/tables/COEST2005-01-54.csv> thru COEST2009-01-54.csv

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2009
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	2	11.7	10	7.4	5	15.3	1	6.3
Total Deaths, All Causes	188	11.9	832	8.0	285	11.5	163	11.3
--Deaths Under One Year	1	5.8	18	13.3	0	0.0	0	0.0
--Deaths Under 28 Days	1	5.8	11	8.1	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	6.3	10	9.6	8	32.4	4	27.7
Human Immunodeficiency Virus Infection	0	0.0	3	2.9	0	0.0	0	0.0
Malignant Neoplasms	50	317.3	204	196.4	73	295.4	46	318.7
--of Digestive Organs	13	82.5	49	47.2	15	60.7	12	83.1
----Colon	2	12.7	23	22.1	2	8.1	3	20.8
----Pancreas	3	19.0	7	6.7	5	20.2	3	20.8
--of Respiratory and Intrathoracic Organs	14	88.8	70	67.4	29	117.4	17	117.8
----Trachea, Bronchus, and Lung	13	82.5	67	64.5	25	101.2	17	117.8
--of Breast	2	12.7	14	13.5	1	4.0	1	6.9
--of Genitourinary Organs	5	31.7	26	25.0	8	32.4	4	27.7
----Cervix Uteri	0	0.0	1	1.0	0	0.0	0	0.0
----Ovary	1	6.3	4	3.9	0	0.0	1	6.9
----Prostate	2	12.7	8	7.7	4	16.2	2	13.9
----Bladder	0	0.0	3	2.9	1	4.0	0	0.0
--All Other (Malignant Neoplasms)	16	101.5	45	43.3	20	80.9	12	83.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	6.3	3	2.9	1	4.0	3	20.8
Diabetes Mellitus	3	19.0	32	30.8	9	36.4	3	20.8
Dementia	3	19.0	21	20.2	19	76.9	2	13.9
Alzheimer's Disease	4	25.4	18	17.3	7	28.3	12	83.1
Major Cardiovascular Disease	65	412.5	248	238.8	71	287.3	48	332.5
--Diseases of the Heart	46	291.9	191	183.9	50	202.4	37	256.3
----Ischemic Heart Disease	33	209.4	103	99.2	31	125.5	21	145.5
--Essential Hypertension and Hypertensive Renal Disease	3	19.0	6	5.8	1	4.0	2	13.9
--Cerebrovascular Diseases (Stroke)	15	95.2	45	43.3	18	72.8	7	48.5
--Arteriosclerosis	0	0.0	1	1.0	1	4.0	1	6.9
--Other Diseases of Arteries, Arterioles, and Capillaries	1	6.3	5	4.8	1	4.0	1	6.9
Influenza and Pneumonia	1	6.3	12	11.6	2	8.1	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	1	6.3	12	11.6	2	8.1	0	0.0
Chronic Lower Respiratory Diseases	17	107.9	49	47.2	26	105.2	14	97.0
--Bronchitis, Emphysema, and Asthma	0	0.0	6	5.8	2	8.1	3	20.8
Lung Diseases due to External Agents	0	0.0	3	2.9	1	4.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	4.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	25.4	11	10.6	2	8.1	1	6.9
Nephritis, Nephrotic Syndrome, and Nephrosis	2	12.7	9	8.7	7	28.3	2	13.9
Congenital Malformations	0	0.0	8	7.7	1	4.0	1	6.9
Ill-Defined and Unknown Causes of Death	2	12.7	15	14.4	2	8.1	0	0.0
Accidents, All Forms	11	69.8	60	57.8	23	93.1	11	76.2
--Motor Vehicle	4	25.4	15	14.4	9	36.4	3	20.8
--Falls	3	19.0	7	6.7	3	12.1	2	13.9
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	2	1.9	0	0.0	0	0.0
--Poisonings	2	12.7	26	25.0	10	40.5	3	20.8
--Other Accidents	2	12.7	10	9.6	1	4.0	3	20.8
Intentional Self-Harm (Suicide)	2	12.7	11	10.6	6	24.3	2	13.9
Assault (Homicide)	2	12.7	3	2.9	1	4.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.3	3	2.9	1	4.0	1	6.9
All Other Causes (Residual)	19	120.6	109	105.0	25	101.2	13	90.1

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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, 2009
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	2	9.6	9	7.1	1	10.9	0	0.0
Total Deaths, All Causes	302	12.8	1,090	11.4	88	12.4	100	10.0
--Deaths Under One Year	0	0.0	5	4.0	1	10.9	1	7.6
--Deaths Under 28 Days	0	0.0	4	3.2	1	10.9	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	9	38.3	23	24.2	2	28.1	1	10.0
Human Immunodeficiency Virus Infection	0	0.0	3	3.2	0	0.0	0	0.0
Malignant Neoplasms	67	285.0	234	245.8	22	309.1	28	279.4
--of Digestive Organs	20	85.1	43	45.2	2	28.1	8	79.8
----Colon	6	25.5	15	15.8	1	14.0	1	10.0
----Pancreas	7	29.8	9	9.5	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	25	106.3	86	90.3	9	126.4	11	109.8
----Trachea, Bronchus, and Lung	25	106.3	83	87.2	9	126.4	11	109.8
--of Breast	3	12.8	15	15.8	0	0.0	1	10.0
--of Genitourinary Organs	5	21.3	32	33.6	3	42.1	3	29.9
----Cervix Uteri	0	0.0	1	1.1	0	0.0	0	0.0
----Ovary	1	4.3	7	7.4	1	14.0	0	0.0
----Prostate	3	12.8	11	11.6	1	14.0	0	0.0
----Bladder	0	0.0	4	4.2	0	0.0	2	20.0
--All Other (Malignant Neoplasms)	14	59.6	58	60.9	8	112.4	5	49.9
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	8.5	7	7.4	0	0.0	1	10.0
Diabetes Mellitus	8	34.0	44	46.2	3	42.1	6	59.9
Dementia	4	17.0	57	59.9	1	14.0	2	20.0
Alzheimer's Disease	12	51.0	45	47.3	1	14.0	4	39.9
Major Cardiovascular Disease	102	433.9	313	328.7	30	421.5	24	239.5
--Diseases of the Heart	78	331.8	226	237.4	22	309.1	17	169.6
----Ischemic Heart Disease	61	259.5	146	153.3	19	266.9	13	129.7
--Essential Hypertension and Hypertensive Renal Disease	3	12.8	9	9.5	2	28.1	1	10.0
--Cerebrovascular Diseases (Stroke)	19	80.8	67	70.4	3	42.1	5	49.9
--Arteriosclerosis	0	0.0	4	4.2	1	14.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	2	8.5	7	7.4	2	28.1	1	10.0
Influenza and Pneumonia	11	46.8	12	12.6	0	0.0	0	0.0
--Influenza	2	8.5	3	3.2	0	0.0	0	0.0
--Pneumonia	9	38.3	9	9.5	0	0.0	0	0.0
Chronic Lower Respiratory Diseases	14	59.6	73	76.7	2	28.1	6	59.9
--Bronchitis, Emphysema, and Asthma	2	8.5	1	1.1	0	0.0	0	0.0
Lung Diseases due to External Agents	2	8.5	3	3.2	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	8	34.0	9	9.5	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome, and Nephrosis	4	17.0	27	28.4	2	28.1	4	39.9
Congenital Malformations	0	0.0	6	6.3	0	0.0	2	20.0
Ill-Defined and Unknown Causes of Death	5	21.3	23	24.2	2	28.1	2	20.0
Accidents, All Forms	18	76.6	53	55.7	7	98.3	6	59.9
--Motor Vehicle	2	8.5	15	15.8	2	28.1	2	20.0
--Falls	5	21.3	12	12.6	1	14.0	0	0.0
--Drownings	0	0.0	1	1.1	0	0.0	0	0.0
--Smoke, Fires, and Flames	1	4.3	3	3.2	0	0.0	0	0.0
--Poisonings	8	34.0	14	14.7	2	28.1	3	29.9
--Other Accidents	2	8.5	8	8.4	2	28.1	1	10.0
Intentional Self-Harm (Suicide)	2	8.5	11	11.6	2	28.1	5	49.9
Assault (Homicide)	0	0.0	6	6.3	2	28.1	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	3	12.8	9	9.5	1	14.0	0	0.0
All Other Causes (Residual)	31	131.9	132	138.6	11	154.5	9	89.8

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2009
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	13.0	6	9.9	0	0.0	0	0.0
Total Deaths, All Causes	80	11.1	670	14.5	82	12.0	108	9.1
--Deaths Under One Year	1	13.0	8	13.2	1	13.9	0	0.0
--Deaths Under 28 Days	1	13.0	5	8.3	1	13.9	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	13.9	11	23.8	1	14.7	2	16.9
Human Immunodeficiency Virus Infection	0	0.0	1	2.2	0	0.0	0	0.0
Malignant Neoplasms	24	333.2	151	327.4	18	263.8	15	126.8
--of Digestive Organs	10	138.9	36	78.1	4	58.6	3	25.4
----Colon	4	55.5	12	26.0	1	14.7	0	0.0
----Pancreas	0	0.0	10	21.7	0	0.0	1	8.5
--of Respiratory and Intrathoracic Organs	4	55.5	58	125.8	4	58.6	2	16.9
----Trachea, Bronchus, and Lung	4	55.5	55	119.2	4	58.6	2	16.9
--of Breast	2	27.8	9	19.5	0	0.0	1	8.5
--of Genitourinary Organs	4	55.5	16	34.7	5	73.3	4	33.8
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	13.9	2	4.3	0	0.0	0	0.0
----Prostate	1	13.9	6	13.0	2	29.3	1	8.5
----Bladder	1	13.9	3	6.5	1	14.7	1	8.5
--All Other (Malignant Neoplasms)	4	55.5	32	69.4	5	73.3	5	42.3
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	1	2.2	0	0.0	1	8.5
Diabetes Mellitus	2	27.8	34	73.7	5	73.3	3	25.4
Dementia	3	41.7	36	78.1	1	14.7	0	0.0
Alzheimer's Disease	3	41.7	14	30.4	3	44.0	3	25.4
Major Cardiovascular Disease	22	305.5	200	433.6	28	410.3	46	388.7
--Diseases of the Heart	18	249.9	150	325.2	23	337.0	37	312.7
----Ischemic Heart Disease	12	166.6	86	186.5	14	205.2	25	211.3
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	4	8.7	0	0.0	0	0.0
--Cerebrovascular Diseases (Stroke)	3	41.7	41	88.9	4	58.6	6	50.7
--Arteriosclerosis	0	0.0	1	2.2	0	0.0	2	16.9
--Other Diseases of Arteries, Arterioles, and Capillaries	1	13.9	4	8.7	1	14.7	1	8.5
Influenza and Pneumonia	2	27.8	8	17.3	3	44.0	0	0.0
--Influenza	0	0.0	2	4.3	0	0.0	0	0.0
--Pneumonia	2	27.8	6	13.0	3	44.0	0	0.0
Chronic Lower Respiratory Diseases	5	69.4	47	101.9	4	58.6	6	50.7
--Bronchitis, Emphysema, and Asthma	0	0.0	4	8.7	1	14.7	0	0.0
Lung Diseases due to External Agents	0	0.0	8	17.3	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	6	13.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	8	17.3	0	0.0	2	16.9
Nephritis, Nephrotic Syndrome, and Nephrosis	1	13.9	15	32.5	2	29.3	1	8.5
Congenital Malformations	0	0.0	3	6.5	0	0.0	1	8.5
Ill-Defined and Unknown Causes of Death	1	13.9	7	15.2	0	0.0	2	16.9
Accidents, All Forms	4	55.5	40	86.7	10	146.5	7	59.2
--Motor Vehicle	1	13.9	11	23.8	2	29.3	4	33.8
--Falls	0	0.0	9	19.5	1	14.7	0	0.0
--Drownings	1	13.9	1	2.2	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	1	2.2	0	0.0	0	0.0
--Poisonings	1	13.9	12	26.0	3	44.0	2	16.9
--Other Accidents	1	13.9	6	13.0	4	58.6	1	8.5
Intentional Self-Harm (Suicide)	2	27.8	8	17.3	0	0.0	2	16.9
Assault (Homicide)	0	0.0	3	6.5	0	0.0	1	8.5
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	4.3	0	0.0	1	8.5
All Other Causes (Residual)	10	138.9	73	158.3	7	102.6	15	126.8

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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, 2009
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	1	2.5	1	4.2	3	10.2	0	0.0
Total Deaths, All Causes	483	14.0	221	9.7	430	14.5	150	11.0
--Deaths Under One Year	6	15.1	0	0.0	0	0.0	1	6.3
--Deaths Under 28 Days	3	7.6	0	0.0	0	0.0	1	6.3
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	8.7	4	17.6	10	33.6	3	22.0
Human Immunodeficiency Virus Infection	1	2.9	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	106	307.0	59	260.0	81	272.5	19	139.6
--of Digestive Organs	25	72.4	21	92.5	17	57.2	4	29.4
----Colon	8	23.2	10	44.1	9	30.3	1	7.3
----Pancreas	9	26.1	2	8.8	5	16.8	1	7.3
--of Respiratory and Intrathoracic Organs	28	81.1	18	79.3	32	107.6	5	36.7
----Trachea, Bronchus, and Lung	27	78.2	17	74.9	32	107.6	5	36.7
--of Breast	4	11.6	4	17.6	8	26.9	2	14.7
--of Genitourinary Organs	14	40.5	4	17.6	11	37.0	5	36.7
----Cervix Uteri	0	0.0	0	0.0	1	3.4	0	0.0
----Ovary	3	8.7	1	4.4	3	10.1	0	0.0
----Prostate	4	11.6	2	8.8	5	16.8	3	22.0
----Bladder	3	8.7	0	0.0	1	3.4	0	0.0
--All Other (Malignant Neoplasms)	35	101.4	12	52.9	13	43.7	3	22.0
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	3	8.7	1	4.4	3	10.1	0	0.0
Diabetes Mellitus	17	49.2	9	39.7	8	26.9	5	36.7
Dementia	21	60.8	5	22.0	16	53.8	2	14.7
Alzheimer's Disease	17	49.2	5	22.0	9	30.3	2	14.7
Major Cardiovascular Disease	142	411.3	68	299.6	172	578.6	55	404.1
--Diseases of the Heart	112	324.4	56	246.8	138	464.2	43	315.9
----Ischemic Heart Disease	54	156.4	39	171.8	89	299.4	25	183.7
--Essential Hypertension and Hypertensive Renal Disease	5	14.5	2	8.8	2	6.7	3	22.0
--Cerebrovascular Diseases (Stroke)	20	57.9	8	35.3	27	90.8	8	58.8
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	1	7.3
--Other Diseases of Arteries, Arterioles, and Capillaries	5	14.5	2	8.8	5	16.8	0	0.0
Influenza and Pneumonia	6	17.4	2	8.8	20	67.3	6	44.1
--Influenza	0	0.0	0	0.0	1	3.4	0	0.0
--Pneumonia	6	17.4	2	8.8	19	63.9	6	44.1
Chronic Lower Respiratory Diseases	30	86.9	14	61.7	26	87.5	9	66.1
--Bronchitis, Emphysema, and Asthma	4	11.6	1	4.4	4	13.5	1	7.3
Lung Diseases due to External Agents	9	26.1	2	8.8	5	16.8	1	7.3
--Coal Worker's Pneumoconiosis	3	8.7	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	5	14.5	4	17.6	4	13.5	3	22.0
Nephritis, Nephrotic Syndrome, and Nephrosis	19	55.0	5	22.0	7	23.5	6	44.1
Congenital Malformations	1	2.9	1	4.4	1	3.4	0	0.0
Ill-Defined and Unknown Causes of Death	6	17.4	0	0.0	12	40.4	2	14.7
Accidents, All Forms	23	66.6	14	61.7	14	47.1	14	102.9
--Motor Vehicle	12	34.8	6	26.4	2	6.7	5	36.7
--Falls	5	14.5	3	13.2	5	16.8	1	7.3
--Drownings	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
--Poisonings	4	11.6	5	22.0	6	20.2	5	36.7
--Other Accidents	2	5.8	0	0.0	1	3.4	3	22.0
Intentional Self-Harm (Suicide)	6	17.4	5	22.0	2	6.7	1	7.3
Assault (Homicide)	1	2.9	0	0.0	0	0.0	4	29.4
Injury Undetermined Whether Accidental or Purposely Inflicted	2	5.8	1	4.4	6	20.2	0	0.0
All Other Causes (Residual)	65	188.3	22	96.9	34	114.4	18	132.2

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2009
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	4	4.8	2	6.2	1	1.6	20	8.8
Total Deaths, All Causes	875	12.7	330	11.8	423	8.0	2,454	12.8
--Deaths Under One Year	10	12.1	2	6.2	6	9.6	26	11.4
--Deaths Under 28 Days	6	7.3	1	3.1	3	4.8	20	8.8
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	16	23.2	8	28.5	4	7.6	37	19.3
Human Immunodeficiency Virus Infection	1	1.5	0	0.0	1	1.9	3	1.6
Malignant Neoplasms	194	281.5	88	313.5	109	206.6	551	287.5
--of Digestive Organs	35	50.8	10	35.6	27	51.2	122	63.7
----Colon	13	18.9	2	7.1	13	24.6	44	23.0
----Pancreas	7	10.2	1	3.6	9	17.1	21	11.0
--of Respiratory and Intrathoracic Organs	74	107.4	27	96.2	30	56.9	181	94.4
----Trachea, Bronchus, and Lung	72	104.5	26	92.6	29	55.0	178	92.9
--of Breast	9	13.1	8	28.5	8	15.2	38	19.8
--of Genitourinary Organs	35	50.8	13	46.3	19	36.0	73	38.1
----Cervix Uteri	1	1.5	0	0.0	0	0.0	7	3.7
----Ovary	7	10.2	5	17.8	4	7.6	10	5.2
----Prostate	8	11.6	3	10.7	9	17.1	26	13.6
----Bladder	11	16.0	2	7.1	3	5.7	6	3.1
--All Other (Malignant Neoplasms)	41	59.5	30	106.9	25	47.4	137	71.5
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	2.9	1	3.6	2	3.8	8	4.2
Diabetes Mellitus	41	59.5	14	49.9	12	22.7	71	37.0
Dementia	13	18.9	4	14.3	12	22.7	141	73.6
Alzheimer's Disease	27	39.2	7	24.9	14	26.5	83	43.3
Major Cardiovascular Disease	260	377.3	105	374.1	133	252.1	701	365.7
--Diseases of the Heart	194	281.5	68	242.3	107	202.8	511	266.6
----Ischemic Heart Disease	136	197.4	49	174.6	53	100.5	330	172.2
--Essential Hypertension and Hypertensive Renal Disease	13	18.9	4	14.3	4	7.6	37	19.3
--Cerebrovascular Diseases (Stroke)	46	66.8	12	42.8	18	34.1	125	65.2
--Arteriosclerosis	2	2.9	16	57.0	0	0.0	2	1.0
--Other Diseases of Arteries, Arterioles, and Capillaries	5	7.3	5	17.8	4	7.6	26	13.6
Influenza and Pneumonia	20	29.0	8	28.5	5	9.5	36	18.8
--Influenza	0	0.0	1	3.6	0	0.0	2	1.0
--Pneumonia	20	29.0	7	24.9	5	9.5	34	17.7
Chronic Lower Respiratory Diseases	70	101.6	14	49.9	27	51.2	177	92.3
--Bronchitis, Emphysema, and Asthma	4	5.8	2	7.1	3	5.7	18	9.4
Lung Diseases due to External Agents	9	13.1	1	3.6	1	1.9	20	10.4
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	2	1.0
Chronic Liver Disease and Cirrhosis	13	18.9	1	3.6	10	19.0	35	18.3
Nephritis, Nephrotic Syndrome, and Nephrosis	19	27.6	8	28.5	10	19.0	73	38.1
Congenital Malformations	1	1.5	1	3.6	3	5.7	10	5.2
Ill-Defined and Unknown Causes of Death	12	17.4	6	21.4	2	3.8	32	16.7
Accidents, All Forms	43	62.4	10	35.6	26	49.3	104	54.3
--Motor Vehicle	15	21.8	5	17.8	10	19.0	32	16.7
--Falls	9	13.1	2	7.1	1	1.9	20	10.4
--Drownings	0	0.0	0	0.0	1	1.9	2	1.0
--Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	1	0.5
--Poisonings	13	18.9	3	10.7	12	22.7	34	17.7
--Other Accidents	6	8.7	0	0.0	2	3.8	15	7.8
Intentional Self-Harm (Suicide)	9	13.1	6	21.4	4	7.6	36	18.8
Assault (Homicide)	4	5.8	0	0.0	1	1.9	13	6.8
Injury Undetermined Whether Accidental or Purposely Inflicted	2	2.9	2	7.1	2	3.8	10	5.2
All Other Causes (Residual)	119	172.7	46	163.9	45	85.3	313	163.3

West Virginia Bureau for Public Health
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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, 2009
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	1	5.2	3	11.7	2	4.7	2	6.8
Total Deaths, All Causes	223	12.8	264	11.9	508	14.3	360	16.1
--Deaths Under One Year	2	10.4	1	3.9	4	9.4	4	13.7
--Deaths Under 28 Days	2	10.4	0	0.0	2	4.7	2	6.8
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	3	13.5	12	33.8	6	26.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	2.8	1	4.5
Malignant Neoplasms	46	264.5	72	325.1	118	332.4	73	325.9
--of Digestive Organs	8	46.0	19	85.8	27	76.1	9	40.2
----Colon	3	17.3	8	36.1	11	31.0	6	26.8
----Pancreas	2	11.5	4	18.1	4	11.3	1	4.5
--of Respiratory and Intrathoracic Organs	15	86.3	25	112.9	46	129.6	27	120.5
----Trachea, Bronchus, and Lung	15	86.3	25	112.9	45	126.8	26	116.1
--of Breast	3	17.3	2	9.0	6	16.9	9	40.2
--of Genitourinary Organs	9	51.8	10	45.2	12	33.8	10	44.6
----Cervix Uteri	1	5.8	1	4.5	0	0.0	2	8.9
----Ovary	2	11.5	2	9.0	0	0.0	3	13.4
----Prostate	3	17.3	5	22.6	2	5.6	0	0.0
----Bladder	0	0.0	0	0.0	3	8.5	1	4.5
--All Other (Malignant Neoplasms)	11	63.3	16	72.2	27	76.1	18	80.4
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	11.5	1	4.5	1	2.8	1	4.5
Diabetes Mellitus	8	46.0	8	36.1	24	67.6	25	111.6
Dementia	7	40.3	11	49.7	9	25.4	5	22.3
Alzheimer's Disease	3	17.3	6	27.1	6	16.9	5	22.3
Major Cardiovascular Disease	77	442.8	73	329.6	143	402.8	116	517.9
--Diseases of the Heart	66	379.5	60	270.9	113	318.3	100	446.5
----Ischemic Heart Disease	51	293.3	44	198.7	89	250.7	77	343.8
--Essential Hypertension and Hypertensive Renal Disease	1	5.8	2	9.0	7	19.7	1	4.5
--Cerebrovascular Diseases (Stroke)	6	34.5	8	36.1	20	56.3	10	44.6
--Arteriosclerosis	1	5.8	1	4.5	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	3	17.3	2	9.0	3	8.5	5	22.3
Influenza and Pneumonia	6	34.5	7	31.6	3	8.5	6	26.8
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	6	34.5	7	31.6	3	8.5	6	26.8
Chronic Lower Respiratory Diseases	17	97.8	18	81.3	37	104.2	33	147.3
--Bronchitis, Emphysema, and Asthma	1	5.8	0	0.0	4	11.3	3	13.4
Lung Diseases due to External Agents	1	5.8	0	0.0	8	22.5	7	31.3
--Coal Worker's Pneumoconiosis	1	5.8	0	0.0	5	14.1	5	22.3
Chronic Liver Disease and Cirrhosis	3	17.3	1	4.5	8	22.5	7	31.3
Nephritis, Nephrotic Syndrome, and Nephrosis	6	34.5	9	40.6	14	39.4	8	35.7
Congenital Malformations	0	0.0	2	9.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	3	17.3	6	27.1	5	14.1	8	35.7
Accidents, All Forms	12	69.0	20	90.3	39	109.9	22	98.2
--Motor Vehicle	5	28.8	8	36.1	15	42.3	3	13.4
--Falls	2	11.5	4	18.1	4	11.3	0	0.0
--Drownings	1	5.8	0	0.0	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	1	4.5	0	0.0	0	0.0
--Poisonings	2	11.5	5	22.6	14	39.4	15	67.0
--Other Accidents	2	11.5	2	9.0	6	16.9	4	17.9
Intentional Self-Harm (Suicide)	3	17.3	4	18.1	8	22.5	1	4.5
Assault (Homicide)	2	11.5	2	9.0	7	19.7	3	13.4
Injury Undetermined Whether Accidental or Purposely Inflicted	1	5.8	1	4.5	3	8.5	3	13.4
All Other Causes (Residual)	26	149.5	20	90.3	62	174.7	30	133.9

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2009
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	1.5	2	6.1	1	3.6	5	6.1
Total Deaths, All Causes	689	12.2	389	11.9	313	12.2	893	14.4
--Deaths Under One Year	2	3.1	1	3.0	2	7.2	7	8.6
--Deaths Under 28 Days	1	1.5	0	0.0	2	7.2	5	6.1
Tuberculosis	0	0.0	0	0.0	1	3.9	0	0.0
Septicemia	22	38.8	4	12.3	2	7.8	20	32.3
Human Immunodeficiency Virus Infection	0	0.0	1	3.1	0	0.0	0	0.0
Malignant Neoplasms	142	250.4	80	245.7	75	293.3	208	335.9
--of Digestive Organs	22	38.8	21	64.5	14	54.8	56	90.4
----Colon	9	15.9	5	15.4	3	11.7	16	25.8
----Pancreas	6	10.6	2	6.1	3	11.7	23	37.1
--of Respiratory and Intrathoracic Organs	56	98.8	14	43.0	27	105.6	51	82.4
----Trachea, Bronchus, and Lung	52	91.7	14	43.0	26	101.7	48	77.5
--of Breast	5	8.8	9	27.6	9	35.2	16	25.8
--of Genitourinary Organs	22	38.8	17	52.2	6	23.5	24	38.8
----Cervix Uteri	2	3.5	0	0.0	1	3.9	3	4.8
----Ovary	7	12.3	6	18.4	3	11.7	1	1.6
----Prostate	7	12.3	4	12.3	1	3.9	8	12.9
----Bladder	1	1.8	3	9.2	0	0.0	4	6.5
--All Other (Malignant Neoplasms)	37	65.2	19	58.4	19	74.3	61	98.5
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	8	14.1	0	0.0	2	7.8	1	1.6
Diabetes Mellitus	23	40.6	14	43.0	11	43.0	21	33.9
Dementia	30	52.9	9	27.6	9	35.2	50	80.7
Alzheimer's Disease	19	33.5	9	27.6	7	27.4	16	25.8
Major Cardiovascular Disease	231	407.4	135	414.7	98	383.3	282	455.4
--Diseases of the Heart	189	333.3	104	319.4	74	289.4	210	339.1
----Ischemic Heart Disease	126	222.2	88	270.3	58	226.8	126	203.5
--Essential Hypertension and Hypertensive Renal Disease	4	7.1	6	18.4	6	23.5	6	9.7
--Cerebrovascular Diseases (Stroke)	32	56.4	17	52.2	15	58.7	53	85.6
--Arteriosclerosis	1	1.8	2	6.1	0	0.0	3	4.8
--Other Diseases of Arteries, Arterioles, and Capillaries	5	8.8	6	18.4	3	11.7	10	16.1
Influenza and Pneumonia	13	22.9	13	39.9	4	15.6	13	21.0
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	13	22.9	13	39.9	4	15.6	13	21.0
Chronic Lower Respiratory Diseases	58	102.3	33	101.4	30	117.3	71	114.7
--Bronchitis, Emphysema, and Asthma	3	5.3	2	6.1	3	11.7	2	3.2
Lung Diseases due to External Agents	2	3.5	4	12.3	2	7.8	13	21.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	5	8.1
Chronic Liver Disease and Cirrhosis	5	8.8	4	12.3	4	15.6	8	12.9
Nephritis, Nephrotic Syndrome, and Nephrosis	8	14.1	13	39.9	4	15.6	15	24.2
Congenital Malformations	1	1.8	0	0.0	0	0.0	1	1.6
Ill-Defined and Unknown Causes of Death	8	14.1	8	24.6	3	11.7	8	12.9
Accidents, All Forms	33	58.2	15	46.1	22	86.0	44	71.1
--Motor Vehicle	10	17.6	3	9.2	9	35.2	14	22.6
--Falls	7	12.3	2	6.1	4	15.6	2	3.2
--Drownings	1	1.8	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
--Poisonings	10	17.6	8	24.6	7	27.4	22	35.5
--Other Accidents	5	8.8	2	6.1	2	7.8	6	9.7
Intentional Self-Harm (Suicide)	10	17.6	4	12.3	2	7.8	11	17.8
Assault (Homicide)	2	3.5	0	0.0	1	3.9	7	11.3
Injury Undetermined Whether Accidental or Purposely Inflicted	2	3.5	3	9.2	4	15.6	5	8.1
All Other Causes (Residual)	72	127.0	40	122.9	32	125.2	99	159.9

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2009
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	1	2.7	4	4.3	0	0.0
Total Deaths, All Causes	326	12.0	371	14.1	614	6.8	153	11.2
--Deaths Under One Year	1	3.1	3	8.2	5	5.4	0	0.0
--Deaths Under 28 Days	1	3.1	2	5.4	1	1.1	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	14.7	11	41.7	5	5.6	2	14.6
Human Immunodeficiency Virus Infection	0	0.0	1	3.8	2	2.2	0	0.0
Malignant Neoplasms	78	286.7	77	291.8	125	138.8	33	240.6
--of Digestive Organs	17	62.5	15	56.8	26	28.9	13	94.8
----Colon	5	18.4	5	18.9	10	11.1	6	43.7
----Pancreas	5	18.4	1	3.8	5	5.6	4	29.2
--of Respiratory and Intrathoracic Organs	26	95.6	33	125.1	34	37.7	7	51.0
----Trachea, Bronchus, and Lung	26	95.6	33	125.1	34	37.7	5	36.5
--of Breast	5	18.4	1	3.8	7	7.8	1	7.3
--of Genitourinary Organs	7	25.7	8	30.3	17	18.9	3	21.9
----Cervix Uteri	1	3.7	2	7.6	1	1.1	1	7.3
----Ovary	2	7.4	0	0.0	7	7.8	0	0.0
----Prostate	3	11.0	1	3.8	6	6.7	2	14.6
----Bladder	1	3.7	4	15.2	1	1.1	0	0.0
--All Other (Malignant Neoplasms)	23	84.5	20	75.8	41	45.5	9	65.6
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	0	0.0	2	2.2	6	43.7
Diabetes Mellitus	8	29.4	24	91.0	29	32.2	7	51.0
Dementia	11	40.4	2	7.6	16	17.8	4	29.2
Alzheimer's Disease	8	29.4	7	26.5	16	17.8	2	14.6
Major Cardiovascular Disease	128	470.5	114	432.0	194	215.4	38	277.1
--Diseases of the Heart	90	330.8	94	356.2	158	175.4	32	233.3
----Ischemic Heart Disease	71	261.0	70	265.3	94	104.4	21	153.1
--Essential Hypertension and Hypertensive Renal Disease	9	33.1	3	11.4	8	8.9	3	21.9
--Cerebrovascular Diseases (Stroke)	22	80.9	13	49.3	22	24.4	3	21.9
--Arteriosclerosis	3	11.0	0	0.0	1	1.1	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	4	14.7	4	15.2	5	5.6	0	0.0
Influenza and Pneumonia	1	3.7	17	64.4	12	13.3	4	29.2
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	1	3.7	17	64.4	12	13.3	4	29.2
Chronic Lower Respiratory Diseases	9	33.1	31	117.5	48	53.3	15	109.4
--Bronchitis, Emphysema, and Asthma	1	3.7	1	3.8	1	1.1	1	7.3
Lung Diseases due to External Agents	5	18.4	9	34.1	3	3.3	1	7.3
--Coal Worker's Pneumoconiosis	0	0.0	7	26.5	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	14.7	2	7.6	6	6.7	1	7.3
Nephritis, Nephrotic Syndrome, and Nephrosis	10	36.8	3	11.4	15	16.7	5	36.5
Congenital Malformations	2	7.4	3	11.4	1	1.1	1	7.3
Ill-Defined and Unknown Causes of Death	0	0.0	0	0.0	7	7.8	3	21.9
Accidents, All Forms	15	55.1	34	128.9	27	30.0	13	94.8
--Motor Vehicle	6	22.1	12	45.5	10	11.1	5	36.5
--Falls	3	11.0	2	7.6	5	5.6	1	7.3
--Drownings	0	0.0	2	7.6	0	0.0	0	0.0
--Smoke, Fires, and Flames	1	3.7	1	3.8	1	1.1	1	7.3
--Poisonings	3	11.0	15	56.8	7	7.8	3	21.9
--Other Accidents	2	7.4	2	7.6	4	4.4	3	21.9
Intentional Self-Harm (Suicide)	5	18.4	4	15.2	14	15.5	2	14.6
Assault (Homicide)	1	3.7	1	3.8	1	1.1	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	2	7.4	2	7.6	6	6.7	0	0.0
All Other Causes (Residual)	35	128.7	29	109.9	85	94.4	16	116.7

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2009
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	7	21.1	3	5.9	0	0.0
Total Deaths, All Causes	195	11.9	329	12.6	608	13.8	68	9.2
--Deaths Under One Year	3	18.5	3	9.0	4	7.9	0	0.0
--Deaths Under 28 Days	3	18.5	3	9.0	3	5.9	0	0.0
Tuberculosis	0	0.0	0	0.0	1	2.3	0	0.0
Septicemia	7	42.7	4	15.3	5	11.4	1	13.5
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	43	262.4	73	278.5	133	302.2	14	189.4
--of Digestive Organs	7	42.7	13	49.6	27	61.3	3	40.6
----Colon	2	12.2	4	15.3	9	20.4	1	13.5
----Pancreas	1	6.1	4	15.3	6	13.6	2	27.1
--of Respiratory and Intrathoracic Organs	13	79.3	28	106.8	43	97.7	4	54.1
----Trachea, Bronchus, and Lung	13	79.3	28	106.8	42	95.4	4	54.1
--of Breast	1	6.1	3	11.4	7	15.9	2	27.1
--of Genitourinary Organs	6	36.6	13	49.6	20	45.4	1	13.5
----Cervix Uteri	0	0.0	3	11.4	2	4.5	0	0.0
----Ovary	0	0.0	2	7.6	2	4.5	1	13.5
----Prostate	3	18.3	1	3.8	6	13.6	0	0.0
----Bladder	1	6.1	2	7.6	2	4.5	0	0.0
--All Other (Malignant Neoplasms)	16	97.7	16	61.0	36	81.8	4	54.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	12.2	2	7.6	8	18.2	1	13.5
Diabetes Mellitus	5	30.5	10	38.1	24	54.5	0	0.0
Dementia	11	67.1	10	38.1	30	68.2	1	13.5
Alzheimer's Disease	7	42.7	10	38.1	15	34.1	0	0.0
Major Cardiovascular Disease	58	354.0	105	400.6	194	440.8	25	338.3
--Diseases of the Heart	52	317.4	71	270.9	145	329.4	17	230.0
----Ischemic Heart Disease	20	122.1	50	190.7	99	224.9	12	162.4
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	2	7.6	6	13.6	2	27.1
--Cerebrovascular Diseases (Stroke)	6	36.6	31	118.3	39	88.6	5	67.7
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	1	3.8	4	9.1	1	13.5
Influenza and Pneumonia	0	0.0	5	19.1	14	31.8	3	40.6
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	0	0.0	5	19.1	14	31.8	3	40.6
Chronic Lower Respiratory Diseases	11	67.1	29	110.6	49	111.3	4	54.1
--Bronchitis, Emphysema, and Asthma	1	6.1	0	0.0	4	9.1	0	0.0
Lung Diseases due to External Agents	1	6.1	4	15.3	3	6.8	1	13.5
--Coal Worker's Pneumoconiosis	0	0.0	1	3.8	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	5	30.5	3	11.4	6	13.6	1	13.5
Nephritis, Nephrotic Syndrome, and Nephrosis	3	18.3	5	19.1	15	34.1	3	40.6
Congenital Malformations	1	6.1	1	3.8	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	6.1	3	11.4	4	9.1	0	0.0
Accidents, All Forms	8	48.8	25	95.4	19	43.2	5	67.7
--Motor Vehicle	4	24.4	10	38.1	2	4.5	3	40.6
--Falls	0	0.0	4	15.3	5	11.4	0	0.0
--Drownings	0	0.0	1	3.8	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	1	3.8	1	2.3	0	0.0
--Poisonings	2	12.2	8	30.5	8	18.2	1	13.5
--Other Accidents	2	12.2	1	3.8	3	6.8	1	13.5
Intentional Self-Harm (Suicide)	3	18.3	2	7.6	6	13.6	1	13.5
Assault (Homicide)	1	6.1	2	7.6	1	2.3	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	3	18.3	5	19.1	4	9.1	1	13.5
All Other Causes (Residual)	25	152.6	31	118.3	77	174.9	7	94.7

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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, 2009
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	3	46.9	0	0.0	0	0.0	1	1.7
Total Deaths, All Causes	82	11.1	110	13.1	316	10.4	505	9.1
--Deaths Under One Year	0	0.0	3	29.7	5	14.2	0	0.0
--Deaths Under 28 Days	0	0.0	1	9.9	5	14.2	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	13.6	1	11.9	3	9.9	3	5.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	16	217.3	18	213.8	62	205.0	116	208.4
--of Digestive Organs	2	27.2	3	35.6	13	43.0	25	44.9
----Colon	1	13.6	2	23.8	6	19.8	10	18.0
----Pancreas	0	0.0	1	11.9	1	3.3	6	10.8
--of Respiratory and Intrathoracic Organs	7	95.1	8	95.0	13	43.0	38	68.3
----Trachea, Bronchus, and Lung	7	95.1	8	95.0	13	43.0	38	68.3
--of Breast	0	0.0	2	23.8	2	6.6	8	14.4
--of Genitourinary Organs	2	27.2	2	23.8	16	52.9	18	32.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	13.6	1	11.9	3	9.9	2	3.6
----Prostate	1	13.6	1	11.9	6	19.8	7	12.6
----Bladder	0	0.0	0	0.0	2	6.6	4	7.2
--All Other (Malignant Neoplasms)	5	67.9	3	35.6	18	59.5	27	48.5
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	13.6	0	0.0	3	9.9	6	10.8
Diabetes Mellitus	3	40.7	0	0.0	16	52.9	19	34.1
Dementia	2	27.2	2	23.8	5	16.5	25	44.9
Alzheimer's Disease	3	40.7	2	23.8	11	36.4	11	19.8
Major Cardiovascular Disease	26	353.1	33	392.0	105	347.1	147	264.0
--Diseases of the Heart	23	312.3	26	308.9	76	251.3	104	186.8
----Ischemic Heart Disease	16	217.3	17	201.9	48	158.7	77	138.3
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	2	23.8	9	29.8	7	12.6
--Cerebrovascular Diseases (Stroke)	3	40.7	3	35.6	18	59.5	33	59.3
--Arteriosclerosis	0	0.0	0	0.0	1	3.3	1	1.8
--Other Diseases of Arteries, Arterioles, and Capillaries	0	0.0	2	23.8	1	3.3	2	3.6
Influenza and Pneumonia	3	40.7	9	106.9	4	13.2	12	21.6
--Influenza	0	0.0	0	0.0	1	3.3	0	0.0
--Pneumonia	3	40.7	9	106.9	3	9.9	12	21.6
Chronic Lower Respiratory Diseases	3	40.7	9	106.9	16	52.9	28	50.3
--Bronchitis, Emphysema, and Asthma	0	0.0	0	0.0	2	6.6	4	7.2
Lung Diseases due to External Agents	0	0.0	1	11.9	1	3.3	4	7.2
--Coal Worker's Pneumoconiosis	0	0.0	1	11.9	1	3.3	0	0.0
Chronic Liver Disease and Cirrhosis	1	13.6	2	23.8	0	0.0	3	5.4
Nephritis, Nephrotic Syndrome, and Nephrosis	0	0.0	2	23.8	10	33.1	10	18.0
Congenital Malformations	0	0.0	0	0.0	1	3.3	1	1.8
Ill-Defined and Unknown Causes of Death	1	13.6	14	166.3	3	9.9	12	21.6
Accidents, All Forms	6	81.5	6	71.3	17	56.2	37	66.5
--Motor Vehicle	2	27.2	1	11.9	7	23.1	14	25.1
--Falls	0	0.0	0	0.0	5	16.5	7	12.6
--Drownings	0	0.0	0	0.0	0	0.0	2	3.6
--Smoke, Fires, and Flames	1	13.6	1	11.9	0	0.0	0	0.0
--Poisonings	2	27.2	3	35.6	4	13.2	8	14.4
--Other Accidents	1	13.6	1	11.9	1	3.3	6	10.8
Intentional Self-Harm (Suicide)	2	27.2	0	0.0	8	26.4	8	14.4
Assault (Homicide)	0	0.0	0	0.0	3	9.9	3	5.4
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	4	13.2	3	5.4
All Other Causes (Residual)	14	190.1	11	130.7	44	145.5	57	102.4

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2009
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	5	5.2	1	3.4	0	0.0	0	0.0
Total Deaths, All Causes	992	12.5	354	12.5	139	13.6	177	11.9
--Deaths Under One Year	3	3.1	4	13.7	0	0.0	0	0.0
--Deaths Under 28 Days	3	3.1	4	13.7	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	17	21.5	4	14.1	4	39.2	3	20.2
Human Immunodeficiency Virus Infection	4	5.1	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	212	267.7	73	257.1	34	333.1	43	289.2
--of Digestive Organs	48	60.6	24	84.5	10	98.0	10	67.2
----Colon	16	20.2	12	42.3	2	19.6	3	20.2
----Pancreas	9	11.4	4	14.1	2	19.6	2	13.4
--of Respiratory and Intrathoracic Organs	73	92.2	18	63.4	12	117.6	16	107.6
----Trachea, Bronchus, and Lung	72	90.9	16	56.4	11	107.8	16	107.6
--of Breast	14	17.7	2	7.0	3	29.4	0	0.0
--of Genitourinary Organs	32	40.4	10	35.2	4	39.2	6	40.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	7	8.8	2	7.0	0	0.0	2	13.4
----Prostate	12	15.2	4	14.1	1	9.8	3	20.2
----Bladder	5	6.3	2	7.0	1	9.8	0	0.0
--All Other (Malignant Neoplasms)	45	56.8	19	66.9	5	49.0	11	74.0
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	9	11.4	2	7.0	1	9.8	1	6.7
Diabetes Mellitus	46	58.1	9	31.7	3	29.4	2	13.4
Dementia	21	26.5	5	17.6	6	58.8	4	26.9
Alzheimer's Disease	11	13.9	15	52.8	2	19.6	14	94.1
Major Cardiovascular Disease	310	391.5	105	369.8	49	480.0	50	336.2
--Diseases of the Heart	240	303.1	74	260.7	35	342.9	35	235.4
----Ischemic Heart Disease	147	185.6	50	176.1	24	235.1	21	141.2
--Essential Hypertension and Hypertensive Renal Disease	9	11.4	4	14.1	0	0.0	0	0.0
--Cerebrovascular Diseases (Stroke)	50	63.1	25	88.1	12	117.6	11	74.0
--Arteriosclerosis	1	1.3	1	3.5	0	0.0	2	13.4
--Other Diseases of Arteries, Arterioles, and Capillaries	10	12.6	1	3.5	2	19.6	2	13.4
Influenza and Pneumonia	11	13.9	9	31.7	8	78.4	6	40.3
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	11	13.9	9	31.7	8	78.4	6	40.3
Chronic Lower Respiratory Diseases	76	96.0	30	105.7	6	58.8	13	87.4
--Bronchitis, Emphysema, and Asthma	12	15.2	0	0.0	0	0.0	1	6.7
Lung Diseases due to External Agents	23	29.0	3	10.6	1	9.8	3	20.2
--Coal Worker's Pneumoconiosis	15	18.9	0	0.0	0	0.0	1	6.7
Chronic Liver Disease and Cirrhosis	18	22.7	2	7.0	0	0.0	1	6.7
Nephritis, Nephrotic Syndrome, and Nephrosis	23	29.0	7	24.7	1	9.8	2	13.4
Congenital Malformations	3	3.8	0	0.0	0	0.0	1	6.7
Ill-Defined and Unknown Causes of Death	10	12.6	1	3.5	1	9.8	2	13.4
Accidents, All Forms	61	77.0	19	66.9	1	9.8	14	94.1
--Motor Vehicle	14	17.7	6	21.1	1	9.8	5	33.6
--Falls	6	7.6	5	17.6	0	0.0	2	13.4
--Drownings	1	1.3	0	0.0	0	0.0	0	0.0
--Smoke, Fires, and Flames	0	0.0	1	3.5	0	0.0	0	0.0
--Poisonings	27	34.1	4	14.1	0	0.0	5	33.6
--Other Accidents	13	16.4	3	10.6	0	0.0	2	13.4
Intentional Self-Harm (Suicide)	16	20.2	7	24.7	2	19.6	3	20.2
Assault (Homicide)	4	5.1	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	4	5.1	4	14.1	2	19.6	0	0.0
All Other Causes (Residual)	113	142.7	59	207.8	18	176.3	15	100.9

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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, 2009
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	1	8.1	0	0.0	1	14.5	1	10.0
Total Deaths, All Causes	157	12.0	180	11.0	107	15.7	103	11.9
--Deaths Under One Year	2	16.3	2	10.1	0	0.0	0	0.0
--Deaths Under 28 Days	1	8.1	2	10.1	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	30.6	2	12.2	1	14.7	1	11.5
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	11.5
Malignant Neoplasms	40	305.8	45	275.6	26	381.7	23	265.0
--of Digestive Organs	5	38.2	9	55.1	5	73.4	5	57.6
----Colon	2	15.3	6	36.7	3	44.0	4	46.1
----Pancreas	2	15.3	3	18.4	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	7	53.5	23	140.9	10	146.8	7	80.6
----Trachea, Bronchus, and Lung	7	53.5	21	128.6	9	132.1	7	80.6
--of Breast	3	22.9	3	18.4	2	29.4	2	23.0
--of Genitourinary Organs	8	61.2	5	30.6	2	29.4	5	57.6
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	11.5
----Ovary	1	7.6	0	0.0	0	0.0	1	11.5
----Prostate	3	22.9	3	18.4	1	14.7	1	11.5
----Bladder	2	15.3	1	6.1	0	0.0	1	11.5
--All Other (Malignant Neoplasms)	17	130.0	5	30.6	7	102.8	4	46.1
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	2	15.3	0	0.0	2	29.4	0	0.0
Diabetes Mellitus	3	22.9	5	30.6	3	44.0	2	23.0
Dementia	2	15.3	5	30.6	4	58.7	4	46.1
Alzheimer's Disease	1	7.6	6	36.7	2	29.4	1	11.5
Major Cardiovascular Disease	48	366.9	61	373.6	38	557.8	36	414.7
--Diseases of the Heart	39	298.1	39	238.9	30	440.4	33	380.2
----Ischemic Heart Disease	23	175.8	28	171.5	24	352.3	25	288.0
--Essential Hypertension and Hypertensive Renal Disease	1	7.6	4	24.5	3	44.0	1	11.5
--Cerebrovascular Diseases (Stroke)	7	53.5	7	42.9	4	58.7	2	23.0
--Arteriosclerosis	0	0.0	9	55.1	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	1	7.6	2	12.2	1	14.7	0	0.0
Influenza and Pneumonia	8	61.2	1	6.1	2	29.4	1	11.5
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	8	61.2	1	6.1	2	29.4	1	11.5
Chronic Lower Respiratory Diseases	12	91.7	19	116.4	5	73.4	7	80.6
--Bronchitis, Emphysema, and Asthma	0	0.0	0	0.0	0	0.0	1	11.5
Lung Diseases due to External Agents	0	0.0	4	24.5	3	44.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	14.7	0	0.0
Chronic Liver Disease and Cirrhosis	3	22.9	1	6.1	1	14.7	0	0.0
Nephritis, Nephrotic Syndrome, and Nephrosis	3	22.9	1	6.1	3	44.0	2	23.0
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	2	15.3	0	0.0	0	0.0	3	34.6
Accidents, All Forms	10	76.4	6	36.7	4	58.7	8	92.2
--Motor Vehicle	4	30.6	4	24.5	2	29.4	4	46.1
--Falls	1	7.6	1	6.1	1	14.7	2	23.0
--Drownings	1	7.6	0	0.0	0	0.0	0	0.0
--Smoke, Fires, and Flames	1	7.6	0	0.0	0	0.0	0	0.0
--Poisonings	2	15.3	0	0.0	0	0.0	2	23.0
--Other Accidents	1	7.6	1	6.1	1	14.7	0	0.0
Intentional Self-Harm (Suicide)	2	15.3	4	24.5	3	44.0	2	23.0
Assault (Homicide)	0	0.0	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	7.6	1	6.1	0	0.0	1	11.5
All Other Causes (Residual)	16	122.3	19	116.4	10	146.8	11	126.7

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2009
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	2	7.5	1	2.4	1	7.5	0	0.0
Total Deaths, All Causes	257	10.8	484	11.8	117	12.4	229	14.1
--Deaths Under One Year	2	7.5	3	7.3	1	7.5	1	5.7
--Deaths Under 28 Days	1	3.7	3	7.3	1	7.5	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	8.4	8	19.5	2	21.2	4	24.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	71	298.2	103	250.5	33	349.4	47	289.7
--of Digestive Organs	19	79.8	18	43.8	6	63.5	10	61.6
----Colon	7	29.4	6	14.6	4	42.4	4	24.7
----Pancreas	3	12.6	7	17.0	1	10.6	2	12.3
--of Respiratory and Intrathoracic Organs	23	96.6	42	102.1	14	148.2	19	117.1
----Trachea, Bronchus, and Lung	23	96.6	39	94.8	14	148.2	19	117.1
--of Breast	2	8.4	11	26.8	2	21.2	0	0.0
--of Genitourinary Organs	10	42.0	8	19.5	2	21.2	4	24.7
----Cervix Uteri	1	4.2	0	0.0	0	0.0	0	0.0
----Ovary	2	8.4	0	0.0	1	10.6	0	0.0
----Prostate	4	16.8	4	9.7	1	10.6	2	12.3
----Bladder	1	4.2	2	4.9	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	17	71.4	24	58.4	9	95.3	14	86.3
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	4.2	5	12.2	0	0.0	3	18.5
Diabetes Mellitus	4	16.8	13	31.6	3	31.8	10	61.6
Dementia	17	71.4	19	46.2	4	42.4	3	18.5
Alzheimer's Disease	2	8.4	13	31.6	4	42.4	3	18.5
Major Cardiovascular Disease	68	285.6	137	333.2	30	317.7	58	357.5
--Diseases of the Heart	51	214.2	100	243.2	25	264.7	50	308.1
----Ischemic Heart Disease	31	130.2	61	148.3	20	211.8	34	209.5
--Essential Hypertension and Hypertensive Renal Disease	5	21.0	6	14.6	0	0.0	0	0.0
--Cerebrovascular Diseases (Stroke)	10	42.0	28	68.1	4	42.4	5	30.8
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	2	8.4	3	7.3	1	10.6	3	18.5
Influenza and Pneumonia	4	16.8	7	17.0	3	31.8	8	49.3
--Influenza	1	4.2	0	0.0	0	0.0	0	0.0
--Pneumonia	3	12.6	7	17.0	3	31.8	8	49.3
Chronic Lower Respiratory Diseases	19	79.8	38	92.4	6	63.5	12	74.0
--Bronchitis, Emphysema, and Asthma	2	8.4	1	2.4	0	0.0	1	6.2
Lung Diseases due to External Agents	4	16.8	5	12.2	1	10.6	2	12.3
--Coal Worker's Pneumoconiosis	2	8.4	1	2.4	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	8.4	9	21.9	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome, and Nephrosis	3	12.6	8	19.5	4	42.4	8	49.3
Congenital Malformations	1	4.2	3	7.3	1	10.6	0	0.0
Ill-Defined and Unknown Causes of Death	1	4.2	9	21.9	0	0.0	1	6.2
Accidents, All Forms	11	46.2	19	46.2	3	31.8	14	86.3
--Motor Vehicle	5	21.0	7	17.0	0	0.0	5	30.8
--Falls	2	8.4	2	4.9	0	0.0	3	18.5
--Drownings	0	0.0	0	0.0	1	10.6	0	0.0
--Smoke, Fires, and Flames	0	0.0	1	2.4	0	0.0	1	6.2
--Poisonings	2	8.4	6	14.6	2	21.2	3	18.5
--Other Accidents	2	8.4	3	7.3	0	0.0	2	12.3
Intentional Self-Harm (Suicide)	4	16.8	8	19.5	1	10.6	1	6.2
Assault (Homicide)	0	0.0	8	19.5	3	31.8	1	6.2
Injury Undetermined Whether Accidental or Purposely Inflicted	3	12.6	5	12.2	2	21.2	3	18.5
All Other Causes (Residual)	40	168.0	67	162.9	17	180.0	51	314.3

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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, 2009
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	1	1.0	2	7.5	121	5.7
Total Deaths, All Causes	55	9.8	1,020	11.7	344	14.8	21,385	11.8
--Deaths Under One Year	0	0.0	10	9.6	2	7.5	167	7.8
--Deaths Under 28 Days	0	0.0	5	4.8	2	7.5	113	5.3
Tuberculosis	0	0.0	0	0.0	0	0.0	2	0.1
Septicemia	0	0.0	14	16.1	11	47.2	351	19.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	24	1.3
Malignant Neoplasms	14	249.8	215	247.4	72	309.0	4,792	263.3
--of Digestive Organs	5	89.2	47	54.1	17	72.9	1,054	57.9
----Colon	1	17.8	15	17.3	8	34.3	385	21.2
----Pancreas	2	35.7	13	15.0	1	4.3	232	12.7
--of Respiratory and Intrathoracic Organs	5	89.2	83	95.5	29	124.4	1,620	89.0
----Trachea, Bronchus, and Lung	5	89.2	82	94.4	29	124.4	1,573	86.4
--of Breast	0	0.0	11	12.7	1	4.3	284	15.6
--of Genitourinary Organs	3	53.5	25	28.8	9	38.6	645	35.4
----Cervix Uteri	0	0.0	1	1.2	0	0.0	34	1.9
----Ovary	0	0.0	1	1.2	1	4.3	114	6.3
----Prostate	0	0.0	12	13.8	4	17.2	223	12.3
----Bladder	0	0.0	4	4.6	1	4.3	91	5.0
--All Other (Malignant Neoplasms)	1	17.8	49	56.4	16	68.7	1,189	65.3
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	5	5.8	2	8.6	120	6.6
Diabetes Mellitus	4	71.4	29	33.4	13	55.8	757	41.6
Dementia	1	17.8	18	20.7	10	42.9	735	40.4
Alzheimer's Disease	2	35.7	21	24.2	8	34.3	558	30.7
Major Cardiovascular Disease	26	463.9	398	458.1	108	463.4	6,677	366.9
--Diseases of the Heart	17	303.3	313	360.2	88	377.6	5,097	280.1
----Ischemic Heart Disease	9	160.6	167	192.2	60	257.5	3,317	182.3
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	16	18.4	5	21.5	239	13.1
--Cerebrovascular Diseases (Stroke)	6	107.0	54	62.1	12	51.5	1,093	60.1
--Arteriosclerosis	1	17.8	5	5.8	0	0.0	65	3.6
--Other Diseases of Arteries, Arterioles, and Capillaries	2	35.7	10	11.5	3	12.9	183	10.1
Influenza and Pneumonia	1	17.8	25	28.8	4	17.2	401	22.0
--Influenza	0	0.0	0	0.0	0	0.0	13	0.7
--Pneumonia	1	17.8	25	28.8	4	17.2	388	21.3
Chronic Lower Respiratory Diseases	2	35.7	69	79.4	26	111.6	1,519	83.5
--Bronchitis, Emphysema, and Asthma	0	0.0	7	8.1	4	17.2	118	6.5
Lung Diseases due to External Agents	0	0.0	7	8.1	4	17.2	195	10.7
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	4	17.2	62	3.4
Chronic Liver Disease and Cirrhosis	0	0.0	10	11.5	5	21.5	246	13.5
Nephritis, Nephrotic Syndrome, and Nephrosis	1	17.8	21	24.2	8	34.3	476	26.2
Congenital Malformations	0	0.0	1	1.2	1	4.3	66	3.6
Ill-Defined and Unknown Causes of Death	1	17.8	20	23.0	1	4.3	282	15.5
Accidents, All Forms	1	17.8	33	38.0	29	124.4	1,150	63.2
--Motor Vehicle	1	17.8	4	4.6	6	25.7	368	20.2
--Falls	0	0.0	7	8.1	2	8.6	180	9.9
--Drownings	0	0.0	0	0.0	1	4.3	17	0.9
--Smoke, Fires, and Flames	0	0.0	0	0.0	0	0.0	21	1.2
--Poisonings	0	0.0	9	10.4	17	72.9	394	21.7
--Other Accidents	0	0.0	13	15.0	3	12.9	170	9.3
Intentional Self-Harm (Suicide)	0	0.0	11	12.7	4	17.2	288	15.8
Assault (Homicide)	0	0.0	4	4.6	1	4.3	99	5.4
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	6	6.9	3	12.9	134	7.4
All Other Causes (Residual)	2	35.7	113	130.1	34	145.9	2,513	138.1

Marriages by Month of Occurrence
West Virginia by County, 2009

Table 61

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	0	4	6	7	10	6	12	18	7	4	0	2	76
Berkeley	22	24	26	30	55	59	50	51	50	56	26	32	481
Boone	12	8	14	23	16	23	14	19	22	18	16	16	201
Braxton	4	5	9	7	10	10	13	13	8	7	1	10	97
Brooke	7	9	9	14	18	21	16	17	15	11	8	12	157
Cabell	25	37	31	42	72	82	74	73	42	66	39	39	622
Calhoun	3	5	2	3	3	9	9	10	7	9	8	4	72
Clay	2	5	6	7	16	9	12	11	7	9	6	7	97
Doddridge	4	5	1	4	7	7	3	3	1	5	3	2	45
Fayette	14	21	26	21	34	43	34	36	25	32	30	17	333
Gilmer	3	3	2	6	6	9	4	5	9	6	5	9	67
Grant	1	4	2	4	11	5	8	13	6	10	6	7	77
Greenbrier	9	14	9	17	31	29	29	31	21	15	14	17	236
Hampshire	9	8	1	6	13	9	6	12	13	11	6	7	101
Hancock	4	13	6	19	24	20	21	17	20	17	10	8	179
Hardy	1	6	8	3	8	9	10	13	5	9	3	10	85
Harrison	17	31	30	32	52	67	50	53	57	57	16	22	484
Jackson	6	12	17	16	27	18	13	21	16	23	11	11	191
Jefferson	13	14	12	17	27	35	27	27	27	23	15	15	252
Kanawha	80	95	96	106	144	150	115	130	137	129	77	93	1,352
Lewis	8	7	15	7	12	13	12	8	10	10	6	6	114
Lincoln	9	14	16	5	21	22	12	9	8	20	13	14	163
Logan	14	33	18	21	31	37	32	37	32	24	24	27	330
McDowell	6	13	12	18	14	21	28	12	13	14	9	8	168
Marion	17	9	21	30	47	64	47	45	50	48	21	36	435
Marshall	11	12	14	15	21	20	15	22	20	30	15	10	205
Mason	7	6	18	10	18	20	20	16	13	22	13	15	178
Mercer	24	38	25	40	49	70	73	51	36	58	27	34	525
Mineral	9	9	6	12	13	23	14	15	22	18	8	19	168
Mingo	18	24	18	22	21	36	27	25	18	24	18	19	270
Monongalia	20	28	25	46	67	73	62	79	72	73	42	32	619
Monroe	4	5	2	2	6	7	6	9	6	10	6	7	70
Morgan	4	6	4	6	13	13	11	9	14	12	10	2	104
Nicholas	9	10	12	13	18	29	24	29	25	21	21	16	227
Ohio	14	13	12	12	43	46	35	43	35	41	21	17	332
Pendleton	2	1	2	3	5	9	4	2	7	4	1	2	42
Pleasants	1	5	4	4	4	9	5	3	2	5	1	4	47
Pocahontas	7	4	2	3	3	11	6	13	9	8	2	2	70
Preston	4	8	5	7	19	26	25	28	17	32	8	11	190
Putnam	6	26	19	22	38	46	35	35	40	40	21	25	353
Raleigh	27	32	30	37	46	59	64	81	54	48	31	45	554
Randolph	10	21	16	16	22	29	19	13	19	18	11	14	208
Ritchie	1	2	4	5	1	4	6	6	10	5	5	4	53
Roane	2	4	7	6	15	7	5	13	8	10	14	11	102
Summers	4	5	3	6	8	9	7	7	6	8	2	9	74
Taylor	1	5	2	2	15	10	7	13	13	8	8	8	92
Tucker	1	2	1	7	4	6	7	10	11	6	4	1	60
Tyler	1	3	3	4	8	8	6	5	7	8	2	3	58
Upshur	9	13	13	14	24	23	7	28	17	19	10	3	180
Wayne	11	15	9	19	14	35	28	26	20	18	12	16	223
Webster	4	5	3	6	8	10	12	6	4	9	6	5	78
Wetzel	6	5	8	9	13	13	13	14	11	9	5	8	114
Wirt	1	3	3	3	3	5	4	6	2	5	1	3	39
Wood	26	60	32	48	82	77	50	58	60	62	31	42	628
Wyoming	12	12	9	11	18	28	20	18	17	20	13	12	190
Total	546	781	706	875	1,328	1,538	1,268	1,367	1,203	1,284	742	830	12,468

Number of Marriages by County
West Virginia, 2005-2009
Table 62

County	2005	2006	2007	2008	2009	County	2005	2006	2007	2008	2009
Barbour	121	104	126	116	76	Monongalia	636	601	569	590	619
Berkeley	556	552	544	564	481	Monroe	90	82	74	95	70
Boone	237	244	209	208	201	Morgan	122	109	126	106	104
Braxton	119	136	118	112	97	Nicholas	224	240	213	231	227
Brooke	154	185	162	150	157	Ohio	404	418	414	344	332
Cabell	704	658	663	654	622	Pendleton	42	52	53	57	42
Calhoun	61	71	60	71	72	Pleasants	80	61	65	49	47
Clay	89	66	84	98	97	Pocahontas	62	66	56	75	70
Doddridge	54	45	41	60	45	Preston	214	217	211	199	190
Fayette	382	408	386	395	333	Putnam	361	361	384	337	353
Gilmer	64	65	63	71	67	Raleigh	651	598	661	598	554
Grant	90	92	84	89	77	Randolph	173	184	159	218	208
Greenbrier	243	243	241	264	236	Ritchie	84	67	71	65	53
Hampshire	115	107	120	98	101	Roane	111	149	139	134	102
Hancock	239	214	202	203	179	Summers	74	106	65	75	74
Hardy	92	83	75	77	85	Taylor	99	87	92	116	92
Harrison	523	491	539	533	484	Tucker	58	55	60	72	60
Jackson	221	199	226	219	191	Tyler	65	60	56	53	58
Jefferson	247	314	316	259	252	Upshur	199	225	228	200	180
Kanawha	1,438	1,358	1,360	1,439	1,352	Wayne	224	208	209	216	223
Lewis	155	145	168	146	114	Webster	90	77	74	68	78
Lincoln	143	175	163	150	163	Wetzel	122	140	118	118	114
Logan	300	348	268	263	330	Wirt	40	47	42	35	39
McDowell	161	176	179	174	168	Wood	734	730	731	668	628
Marion	415	413	455	383	435	Wyoming	180	157	213	220	190
Marshall	261	233	243	225	205	Total	13,423	13,276	13,308	13,025	12,468
Mason	184	208	205	192	178						
Mercer	506	432	530	461	525						
Mineral	153	155	154	171	168						
Mingo	257	259	241	241	270						

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Divorces and Annulments by County of Occurrence
West Virginia, 2009
Table 63

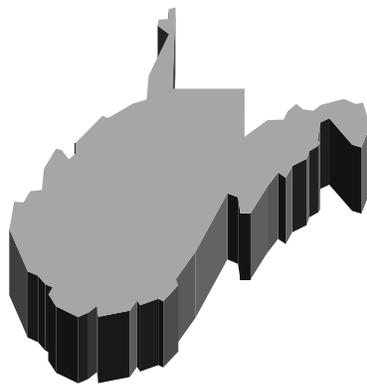
County	Number of Divorces	Number of Annulments	Total	County	Number of Divorces	Number of Annulments	Total
Barbour	62	1	63	Monongalia	257	0	257
Berkeley	386	0	386	Monroe	95	0	95
Boone	184	1	185	Morgan	82	0	82
Braxton	63	0	63	Nicholas	205	0	205
Brooke	90	0	90	Ohio	116	0	116
Cabell	483	0	483	Pendleton	22	0	22
Calhoun	36	0	36	Pleasants	38	0	38
Clay	94	0	94	Pocahontas	39	0	39
Doddridge	32	0	32	Preston	146	0	146
Fayette	283	0	283	Putnam	324	1	325
Gilmer	37	0	37	Raleigh	438	1	439
Grant	66	1	67	Randolph	109	0	109
Greenbrier	217	0	217	Ritchie	50	0	50
Hampshire	108	0	108	Roane	80	0	80
Hancock	138	0	138	Summers	71	0	71
Hardy	60	0	60	Taylor	63	0	63
Harrison	364	0	364	Tucker	37	0	37
Jackson	133	1	134	Tyler	47	0	47
Jefferson	240	1	241	Upshur	113	0	113
Kanawha	1,128	1	1,129	Wayne	241	2	243
Lewis	103	0	103	Webster	105	0	105
Lincoln	164	0	164	Wetzel	67	1	68
Logan	273	1	274	Wirt	27	0	27
McDowell	86	0	86	Wood	398	0	398
Marion	175	1	176	Wyoming	183	1	184
Marshall	127	0	127				
Mason	148	0	148				
Mercer	439	0	439	Total	9,406	14	9,420
Mineral	128	0	128				
Mingo	206	0	206				

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Divorces and Annulments by County of Occurrence
West Virginia, 2005-2009
Table 64

County	2005	2006	2007	2008	2009	County	2005	2006	2007	2008	2009
Barbour	77	65	63	106	63	Monongalia	293	240	213	251	257
Berkeley	476	458	348	354	386	Monroe	93	69	70	80	95
Boone	181	148	146	166	185	Morgan	76	79	79	60	82
Braxton	87	75	55	73	63	Nicholas	194	149	157	152	205
Brooke	108	107	97	100	90	Ohio	140	129	125	144	116
Cabell	515	460	412	440	483	Pendleton	27	32	31	24	22
Calhoun	46	57	34	47	36	Pleasants	31	39	49	34	38
Clay	69	59	64	55	94	Pocahontas	54	44	36	56	39
Doddridge	26	41	51	36	32	Preston	125	137	117	125	146
Fayette	286	227	304	278	283	Putnam	300	253	303	355	325
Gilmer	27	30	26	31	37	Raleigh	428	414	417	401	439
Grant	60	71	61	49	67	Randolph	141	134	128	48	109
Greenbrier	144	207	156	180	217	Ritchie	66	45	50	64	50
Hampshire	104	98	93	117	108	Roane	97	87	88	88	80
Hancock	114	126	132	129	138	Summers	69	75	78	107	71
Hardy	73	77	84	73	60	Taylor	72	95	83	91	63
Harrison	294	277	341	304	364	Tucker	41	35	27	27	37
Jackson	167	157	150	105	134	Tyler	49	52	54	35	47
Jefferson	231	216	221	241	241	Upshur	138	131	127	128	113
Kanawha	913	965	1,122	1,026	1,129	Wayne	278	304	288	241	243
Lewis	99	105	108	102	103	Webster	74	61	59	45	105
Lincoln	121	128	116	87	164	Wetzel	75	89	109	82	68
Logan	183	234	210	224	274	Wirt	26	37	30	29	27
McDowell	121	167	189	147	86	Wood	484	471	462	321	398
Marion	225	280	246	273	176	Wyoming	160	155	154	158	184
Marshall	139	159	203	134	127	Total	9,269	9,191	9,305	8,903	9,420
Mason	158	126	167	119	148						
Mercer	345	408	416	425	439						
Mineral	105	92	143	117	128						
Mingo	244	215	213	219	206						

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West Virginia Vital Statistics
City-Level Data

Number and Rate of Births by City of Residence
West Virginia, 2009
Table 65

25 Most Populated Cities	2009 Estimated Population*	Resident Births	Rate per 1,000 Population
Beckley	16,758	359	21.4
Bluefield	11,068	195	17.6
Bridgeport	7,935	87	11.0
Buckhannon	5,531	82	14.8
Charleston	50,107	836	16.7
Clarksburg	16,355	248	15.2
Dunbar	7,628	114	14.9
Elkins	7,003	67	9.6
Fairmont	18,978	244	12.9
Grafton	5,334	65	12.2
Huntington	49,042	720	14.7
Hurricane	6,291	167	26.5
Martinsburg	16,956	403	23.8
Morgantown	29,639	541	18.3
Moundsville	9,144	109	11.9
New Martinsville	5,563	44	7.9
Nitro	6,722	99	14.7
Oak Hill	7,178	117	16.3
Parkersburg	31,641	562	17.8
Princeton	6,229	78	12.5
Saint Albans	10,941	194	17.7
South Charleston	12,543	149	11.9
Vienna	10,550	117	11.1
Weirton	18,658	181	9.7
Wheeling	28,864	342	11.8

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

April 1, 2000 to July 1, 2009 (SUB_EST2009-04-54)

Source: Population Division, U.S. Census Bureau - Release Date: July 1, 2010

West Virginia Bureau for Public Health
Health Statistics Center, 2011

Selected Causes of Resident Deaths: Number and Rate* by City
 West Virginia, 2009
 Table 66

Selected Causes of Death	Number and Rate by City											
	Beckley		Bluefield		Bridgport		Buckhannon		Charleston			
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
Fetal Deaths	4	11.1	0	0.0	0	0.0	0	0.0	10	12.0		
Total Deaths, All Causes	358	21.4	205	18.5	96	12.1	92	16.6	729	14.5		
--Deaths Under One Year	1	2.8	1	5.1	1	11.5	1	12.2	7	8.4		
--Deaths Under 28 Days	1	2.8	1	5.1	1	11.5	0	0.0	7	8.4		
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Septicemia	6	35.8	3	27.1	3	37.8	2	36.2	13	25.9		
Human Immunodeficiency Virus Infection	2	11.9	0	0.0	0	0.0	0	0.0	2	4.0		
Malignant Neoplasms	67	399.8	50	451.8	16	201.6	30	542.4	147	293.4		
--of Digestive Organs	13	77.6	10	90.4	6	75.6	7	126.6	40	79.8		
----Colon	5	29.8	3	27.1	3	37.8	3	54.2	13	25.9		
----Pancreas	3	17.9	5	45.2	1	12.6	2	36.2	7	14.0		
--of Respiratory and Intrathoracic Organs	19	113.4	8	72.3	4	50.4	15	271.2	51	101.8		
----Trachea, Bronchus, and Lung	19	113.4	6	54.2	4	50.4	15	271.2	50	99.8		
--of Breast	5	29.8	6	54.2	2	25.2	0	0.0	5	10.0		
--of Genitourinary Organs	16	95.5	8	72.3	1	12.6	7	126.6	18	35.9		
----Cervix Uteri	0	0.0	1	9.0	0	0.0	1	18.1	2	4.0		
----Ovary	4	23.9	0	0.0	0	0.0	1	18.1	2	4.0		
----Prostate	6	35.8	4	36.1	0	0.0	2	36.2	6	12.0		
----Bladder	2	11.9	0	0.0	0	0.0	1	18.1	0	0.0		
--All Other (Malignant Neoplasms)	14	83.5	18	162.6	3	37.8	1	18.1	33	65.9		
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	3	17.9	0	0.0	0	0.0	1	18.1	3	6.0		
Diabetes Mellitus	14	83.5	7	63.2	5	63.0	1	18.1	15	29.9		
Dementia	10	59.7	8	72.3	1	12.6	9	162.7	48	95.8		
Alzheimer's Disease	5	29.8	5	45.2	4	50.4	1	18.1	25	49.9		
Major Cardiovascular Disease	111	662.4	70	632.5	34	428.5	23	415.8	220	439.1		
--Diseases of the Heart	86	513.2	53	478.9	27	340.3	16	289.3	161	321.3		
----Ischemic Heart Disease	49	292.4	33	298.2	17	214.2	9	162.7	92	183.6		
--Essential Hypertension and Hypertensive Renal Disease	4	23.9	0	0.0	2	25.2	0	0.0	12	23.9		
--Cerebrovascular Diseases (Stroke)	17	101.4	15	135.5	3	37.8	5	90.4	35	69.9		
--Arteriosclerosis	1	6.0	0	0.0	1	12.6	0	0.0	0	0.0		
--Other Diseases of Arteries, Arterioles, and Capillaries	3	17.9	2	18.1	1	12.6	0	0.0	12	23.9		
Influenza and Pneumonia	3	17.9	4	36.1	1	12.6	1	18.1	8	16.0		
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Pneumonia	3	17.9	4	36.1	1	12.6	1	18.1	8	16.0		
Chronic Lower Respiratory Diseases	34	202.9	19	171.7	4	50.4	5	90.4	48	95.8		
--Bronchitis, Emphysema, and Asthma	5	29.8	0	0.0	0	0.0	0	0.0	3	6.0		
Lung Diseases due to External Agents	11	65.6	0	0.0	2	25.2	1	18.1	3	6.0		
--Coal Worker's Pneumoconiosis	7	41.8	0	0.0	0	0.0	0	0.0	0	0.0		
Chronic Liver Disease and Cirrhosis	7	41.8	2	18.1	2	25.2	1	18.1	11	22.0		
Nephritis, Nephrotic Syndrome, and Nephrosis	7	41.8	7	63.2	3	37.8	1	18.1	21	41.9		
Congenital Malformations	3	17.9	0	0.0	0	0.0	0	0.0	2	4.0		
Ill-Defined and Unknown Causes of Death	2	11.9	1	9.0	0	0.0	0	0.0	9	18.0		
Accidents, All Forms	16	95.5	6	54.2	3	37.8	4	72.3	28	55.9		
--Motor Vehicle	3	17.9	1	9.0	0	0.0	1	18.1	7	14.0		
--Falls	3	17.9	0	0.0	0	0.0	1	18.1	6	12.0		
--Drownings	0	0.0	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	1	2.0		
--Poisonings	5	29.8	2	18.1	1	12.6	1	18.1	10	20.0		
--Other Accidents	5	29.8	3	27.1	2	25.2	1	18.1	4	8.0		
Intentional Self-Harm (Suicide)	8	47.7	0	0.0	2	25.2	1	18.1	9	18.0		
Assault (Homicide)	2	11.9	2	18.1	0	0.0	0	0.0	4	8.0		
Injury Undetermined Whether Accidental or Purposely Inflicted	2	11.9	2	18.1	0	0.0	0	0.0	4	8.0		
All Other Causes (Residual)	45	268.5	19	171.7	16	201.6	11	198.9	109	217.5		

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 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, 2009
 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	Number	Rate
Fetal Deaths	0	0.0	0	0.0	0	0.0	1	4.1	0	0.0	0	0.0
Total Deaths, All Causes	329	20.1	118	15.5	103	14.7	296	15.6	79	14.7	0	0.0
--Deaths Under One Year	5	20.2	4	35.1	2	29.9	0	0.0	1	15.4	1	15.4
--Deaths Under 28 Days	2	8.1	2	17.5	2	29.9	0	0.0	1	15.4	1	15.4
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	7	42.8	2	26.2	3	42.8	11	58.0	0	0.0	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	64	391.3	21	275.3	21	299.9	58	305.6	19	356.2	19	356.2
--of Digestive Organs	10	61.1	4	52.4	6	85.7	11	58.0	3	56.2	3	56.2
----Colon	5	30.6	0	0.0	2	28.6	4	21.1	3	56.2	3	56.2
----Pancreas	0	0.0	0	0.0	3	42.8	4	21.1	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	25	152.9	6	78.7	4	57.1	21	110.7	10	187.5	10	187.5
----Trachea, Bronchus, and Lung	24	146.7	5	65.5	3	42.8	19	100.1	9	168.7	9	168.7
--Of Breast	3	18.3	1	13.1	0	0.0	1	5.3	2	37.5	2	37.5
--of Genitourinary Organs	12	73.4	2	26.2	6	85.7	10	52.7	1	18.7	1	18.7
----Cervix Uteri	0	0.0	0	0.0	0	0.0	2	10.5	0	0.0	0	0.0
----Ovary	3	18.3	0	0.0	1	14.3	2	10.5	0	0.0	0	0.0
----Prostate	2	18.3	1	13.1	2	28.6	2	10.5	1	18.7	1	18.7
----Bladder	2	12.2	1	13.1	2	28.6	2	10.5	0	0.0	0	0.0
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	14	85.6	8	104.9	5	71.4	15	79.0	3	56.2	3	56.2
Diabetes Mellitus	16	97.8	2	26.2	2	28.6	10	52.7	1	18.7	1	18.7
Dementia	7	42.8	9	118.0	1	14.3	17	89.6	2	37.5	2	37.5
Alzheimer's Disease	17	103.9	5	65.5	3	45.8	3	15.8	4	75.0	4	75.0
Major Cardiovascular Disease	88	538.1	33	432.6	32	426.9	101	532.2	28	524.9	28	524.9
--Diseases of the Heart	65	397.4	24	314.6	26	371.3	79	416.3	19	356.2	19	356.2
----Ischemic Heart Disease	47	287.4	19	249.1	20	285.6	51	268.7	15	281.2	15	281.2
----Essential Hypertension and Hypertensive Renal Disease	6	36.7	1	13.1	2	28.6	1	5.3	0	0.0	0	0.0
--Cerebrovascular Diseases (Stroke)	16	97.8	6	78.7	4	57.1	15	79.0	3	56.2	3	56.2
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	5	93.7	5	93.7
--Other Diseases of Arteries, Arterioles, and Capillaries	1	6.1	2	26.2	0	0.0	5	26.3	1	18.7	1	18.7
Influenza and Pneumonia	7	42.8	2	26.2	2	28.6	6	31.6	0	0.0	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	7	42.8	2	26.2	2	28.6	6	31.6	0	0.0	0	0.0
Chronic Lower Respiratory Diseases	34	207.9	13	170.4	5	71.4	28	147.5	7	131.2	7	131.2
--Bronchitis, Emphysema, and Asthma	3	18.3	2	26.2	0	0.0	2	10.5	0	0.0	0	0.0
Lung Diseases due to External Agents	4	24.5	2	26.2	0	0.0	2	10.5	1	18.7	1	18.7
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	24.5	0	0.0	2	28.6	3	15.8	1	18.7	1	18.7
Nephritis, Nephrotic Syndrome, and Nephrosis	6	36.7	4	52.4	5	71.4	3	15.8	1	18.7	1	18.7
Congenital Malformations	0	0.0	4	52.4	0	0.0	1	5.3	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	8	48.9	1	13.1	0	0.0	5	26.3	0	0.0	0	0.0
Accidents, All Forms	15	91.7	5	65.5	4	57.1	14	73.8	4	75.0	4	75.0
--Motor Vehicle	5	30.6	1	13.1	1	14.3	6	31.6	2	37.5	2	37.5
--Falls	3	18.3	0	0.0	1	14.3	6	31.6	1	18.7	1	18.7
--Drownings	0	0.0	0	0.0	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	0	0.0
--Poisonings	5	30.6	3	39.3	2	28.6	1	5.3	0	0.0	0	0.0
--Other Accidents	2	12.2	1	13.1	1	14.3	1	5.3	1	18.7	1	18.7
Intentional Self-Harm (Suicide)	3	18.3	1	13.1	2	28.6	2	10.5	2	37.5	2	37.5
Assault (Homicide)	2	12.2	0	0.0	0	0.0	1	5.3	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.1	1	13.1	3	42.8	2	10.5	0	0.0	0	0.0
All Other Causes (Residual)	44	269.0	12	157.3	17	242.8	28	147.5	9	168.7	9	168.7

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 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, 2009
 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	6	8.3	0	0.0	1	2.5	3	5.5	1	9.2		
Total Deaths, All Causes	633	12.9	80	12.7	217	12.8	251	12.8	162	17.7		
--Deaths Under One Year	1	1.4	0	0.0	7	17.4	3	5.5	1	9.2		
--Deaths Under 28 Days	1	1.4	0	0.0	3	7.4	1	1.8	0	0.0		
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Septicemia	15	30.6	1	15.9	4	23.6	3	10.1	1	10.9		
Human Immunodeficiency Virus Infection	3	6.1	0	0.0	1	5.9	3	3.4	0	0.0		
Malignant Neoplasms	118	240.6	16	254.3	51	300.8	39	131.6	34	371.8		
--of Digestive Organs	20	40.8	3	47.7	10	59.0	8	27.0	9	98.4		
----Colon	5	10.2	2	31.8	3	17.7	4	13.5	3	32.8		
----Pancreas	7	14.3	0	0.0	2	11.8	1	3.4	1	10.9		
--of Respiratory and Intrathoracic Organs	37	75.4	5	79.5	21	123.8	11	37.1	4	43.7		
----Trachea, Bronchus, and Lung	36	18.4	5	73.4	21	123.8	11	37.1	4	43.7		
--of Breast	9	18.4	2	31.8	3	17.7	2	6.7	4	43.7		
--of Genitourinary Organs	14	28.5	1	15.9	3	17.7	4	13.5	8	87.5		
----Cervix Uteri	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0		
----Ovary	2	4.1	0	0.0	0	0.0	2	6.7	4	43.7		
----Prostate	3	6.1	0	0.0	2	11.8	1	3.4	2	21.9		
----Bladder	4	8.2	0	0.0	0	0.0	1	3.4	0	0.0		
----All Other (Malignant Neoplasms)	38	77.5	5	79.5	14	82.6	14	47.2	9	98.4		
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	3	6.1	2	31.8	0	0.0	1	3.4	0	0.0		
Diabetes Mellitus	23	46.9	6	95.4	9	53.1	14	47.2	5	54.7		
Dementia	37	75.4	4	63.6	9	53.1	4	13.5	5	54.7		
Alzheimer's Disease	24	48.9	1	15.9	5	29.5	6	20.2	4	43.7		
Major Cardiovascular Disease	186	379.3	26	413.3	63	371.5	84	283.4	56	612.4		
--Diseases of the Heart	140	285.5	18	286.1	45	265.4	69	232.8	45	492.1		
----Ischemic Heart Disease	85	173.3	13	206.6	27	159.2	39	131.6	38	415.6		
----Essential Hypertension and Hypertensive Renal Disease	8	16.3	0	0.0	3	17.7	4	13.5	2	21.9		
--Cerebrovascular Diseases (Stroke)	35	71.4	7	111.3	15	88.5	7	23.6	8	87.5		
--Arteriosclerosis	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Other Diseases of Arteries, Arterioles, and Capillaries	2	4.1	1	15.9	0	0.0	4	13.5	1	10.9		
Influenza and Pneumonia	4	8.2	1	15.9	6	35.4	9	30.4	2	21.9		
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Pneumonia	4	8.2	1	15.9	6	35.4	9	30.4	2	21.9		
Chronic Lower Respiratory Diseases	48	97.9	4	63.6	13	76.7	15	50.6	13	142.2		
--Bronchitis, Emphysema, and Asthma	1	2.0	0	0.0	4	23.6	0	0.0	0	0.0		
Lung Diseases due to External Agents	1	2.0	1	15.9	2	11.8	1	3.4	1	10.9		
--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	6.1	1	15.9	2	11.8	2	6.7	1	10.9		
Nephritis, Nephrotic Syndrome, and Nephrosis	15	30.6	0	0.0	5	29.5	8	27.0	5	54.7		
Congenital Malformations	3	6.1	0	0.0	4	23.6	1	3.4	0	0.0		
Ill-Defined and Unknown Causes of Death	15	30.6	3	47.7	2	11.8	3	10.1	5	54.7		
Accidents, All Forms	28	57.1	2	31.8	17	100.3	10	33.7	7	76.6		
--Motor Vehicle	3	6.1	0	0.0	5	29.5	4	13.5	0	0.0		
--Falls	8	16.3	0	0.0	4	23.6	2	6.7	0	0.0		
--Drownings	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Smoke, Fires, and Flames	2	4.1	0	0.0	0	0.0	1	3.4	0	0.0		
--Poisonings	9	18.4	2	31.8	5	29.5	3	10.1	5	54.7		
--Other Accidents	5	10.2	0	0.0	3	17.7	0	0.0	2	21.9		
Intentional Self-Harm (Suicide)	8	16.3	0	0.0	1	5.9	6	20.2	2	21.9		
Assault (Homicide)	4	8.2	1	15.9	1	5.9	1	3.4	0	0.0		
Injury Undetermined Whether Accidental or Purposely Inflicted	7	14.3	0	0.0	1	5.9	1	3.4	3	32.8		
All Other Causes (Residual)	88	179.4	11	174.9	21	123.8	42	141.7	18	196.9		

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 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, 2009
 Table 66 (Cont'd)

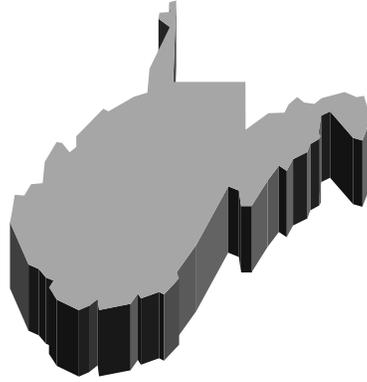
Selected Causes of Death	Number and Rate by City													
	New Martinsville			Nitro			Oak Hill			Parkersburg			Princeton	
	Number	Rate		Number	Rate		Number	Rate		Number	Rate		Number	Rate
Fetal Deaths	0	0.0		0	0.0		0	0.0		1	1.8		0	0.0
Total Deaths, All Causes	89	16.0		103	15.3		158	22.0		583	18.4		110	17.7
--Deaths Under One Year	1	22.7		1	10.1		6	51.3		6	10.7		1	12.8
--Deaths Under 28 Days	0	0.0		1	10.1		4	34.2		2	3.6		1	12.8
Tuberculosis	0	0.0		0	0.0		0	0.0		0	0.0		0	0.0
Septicemia	1	18.0		2	29.8		3	41.8		10	31.6		4	64.2
Human Immunodeficiency Virus Infection	0	0.0		0	0.0		0	0.0		0	0.0		0	0.0
Malignant Neoplasms	11	197.7		20	297.5		29	404.0		100	316.0		20	321.1
--of Digestive Organs	1	18.0		4	59.5		7	97.5		22	69.5		5	80.3
----Colon	0	0.0		2	29.8		1	13.9		9	28.4		3	48.2
----Pancreas	0	0.0		0	0.0		3	41.8		5	15.8		2	32.1
--of Respiratory and Intrathoracic Organs	4	71.9		4	59.5		13	181.1		38	120.1		8	128.4
----Trachea, Bronchus, and Lung	4	71.9		4	59.5		13	181.1		37	116.9		8	128.4
--Of Breast	0	0.0		2	29.8		3	41.8		6	19.0		1	16.1
--of Genitourinary Organs	1	18.0		3	44.6		0	0.0		9	28.4		1	16.1
----Cervix Uteri	0	0.0		0	0.0		0	0.0		1	3.2		0	0.0
----Ovary	0	0.0		1	14.9		0	0.0		1	3.2		1	16.1
----Prostate	1	18.0		2	29.8		0	0.0		5	15.8		0	0.0
----Bladder	0	0.0		0	0.0		0	0.0		1	3.2		0	0.0
--All Other (Malignant Neoplasms)	5	89.9		7	104.1		6	83.6		25	79.0		5	80.3
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	1	18.0		1	0.0		1	13.9		2	6.3		0	0.0
Diabetes Mellitus	4	71.9		5	74.4		11	153.2		22	69.5		2	32.1
Dementia	2	36.0		6	89.3		6	83.6		12	37.9		4	64.2
Alzheimer's Disease	0	0.0		4	59.5		4	83.6		8	25.3		2	32.1
Major Cardiovascular Disease	26	467.4		32	476.0		42	585.1		242	764.8		42	674.3
--Diseases of the Heart	24	431.4		27	401.7		30	417.9		192	606.8		35	561.9
----Ischemic Heart Disease	15	269.6		20	297.5		16	222.9		95	300.2		16	256.9
----Essential Hypertension and Hypertensive Renal Disease	0	0.0		1	14.9		2	27.9		7	22.1		1	16.1
----Cerebrovascular Diseases (Stroke)	0	0.0		3	44.6		9	125.4		34	107.5		4	64.2
--Arteriosclerosis	0	0.0		0	0.0		0	0.0		3	9.5		0	0.0
--Other Diseases of Arteries, Arterioles, and Capillaries	2	36.0		1	14.9		1	13.9		6	19.0		2	32.1
Influenza and Pneumonia	5	89.9		1	14.9		1	13.9		12	37.9		1	16.1
--Influenza	0	0.0		0	0.0		0	0.0		0	0.0		0	0.0
--Pneumonia	5	89.9		1	14.9		7	104.1		12	37.9		1	16.1
Chronic Lower Respiratory Diseases	4	71.9		7	104.1		7	97.5		43	135.9		10	160.5
--Bronchitis, Emphysema, and Asthma	1	18.0		0	0.0		1	13.9		6	19.0		0	0.0
Lung Diseases due to External Agents	0	0.0		0	0.0		1	13.9		2	6.3		3	48.2
--Coal Worker's Pneumoconiosis	0	0.0		2	29.8		2	27.9		7	22.1		1	16.1
Chronic Liver Disease and Cirrhosis	6	107.9		1	14.9		5	69.7		12	37.9		0	0.0
Nephritis, Nephrotic Syndrome, and Nephrosis	0	0.0		0	0.0		2	27.9		1	3.2		0	0.0
Congenital Malformations	0	0.0		0	0.0		2	27.9		1	3.2		0	0.0
Ill-Defined and Unknown Causes of Death	1	18.0		0	0.0		3	41.8		12	37.9		0	0.0
Accidents, All Forms	2	36.0		3	44.6		13	181.1		21	66.4		6	96.3
--Motor Vehicle	0	0.0		2	29.8		5	69.7		3	9.5		0	0.0
--Falls	1	18.0		0	0.0		5	69.7		5	15.8		0	0.0
--Drownings	0	0.0		0	0.0		1	13.9		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	14.9		1	13.9		5	15.8		6	96.3
--Other Accidents	0	0.0		0	0.0		1	13.9		8	25.3		0	0.0
Intentional Self-Harm (Suicide)	0	0.0		3	44.6		1	13.9		5	15.8		1	16.1
Assault (Homicide)	1	18.0		1	14.9		0	0.0		2	6.3		1	16.1
Injury Undetermined Whether Accidental or Purposely Inflicted	2	36.0		0	0.0		0	0.0		5	15.8		1	16.1
All Other Causes (Residual)	23	413.4		16	238.0		25	348.3		65	205.4		12	192.6

*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year, and deaths under 28 days are per 1,000 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, 2009
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	Number	Rate
Fetal Deaths	1	5.2	1	6.7	0	0.0	4	22.1	3	8.8		
Total Deaths, All Causes	223	20.4	164	13.1	141	13.4	280	15.0	519	18.0		
--Deaths Under One Year	1	5.2	2	13.4	2	17.1	0	0.0	2	5.8		
--Deaths Under 28 Days	1	5.2	0	0.0	2	17.1	0	0.0	1	2.9		
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	1	3.5		
Septicemia	5	45.7	1	8.0	3	28.4	8	42.9	5	17.3		
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Malignant Neoplasms	50	457.0	35	279.0	34	322.3	50	268.0	108	374.2		
--of Digestive Organs	11	100.5	8	63.8	6	56.9	13	69.7	24	83.1		
----Colon	4	36.6	2	15.9	1	9.5	7	37.5	8	27.7		
----Pancreas	3	27.4	1	8.0	1	9.5	5	26.8	6	20.8		
--of Respiratory and Intrathoracic Organs	15	137.1	12	95.7	15	142.2	15	80.4	34	117.8		
----Trachea, Bronchus, and Lung	15	137.1	12	95.7	15	142.2	15	80.4	34	117.8		
--of Breast	5	45.7	2	15.9	3	28.4	6	32.2	4	13.9		
--of Genitourinary Organs	7	64.0	3	23.9	6	56.9	7	37.5	17	58.9		
----Cervix Uteri	1	9.1	1	8.0	0	0.0	1	5.4	2	6.9		
----Ovary	0	0.0	0	0.0	0	0.0	2	10.7	2	6.9		
----Prostate	3	27.4	1	8.0	2	19.0	2	10.7	6	20.8		
----Bladder	0	0.0	0	0.0	0	0.0	0	0.0	2	6.9		
--All Other (Malignant Neoplasms)	12	109.7	10	79.7	4	37.9	9	48.2	29	100.5		
Benign Neoplasms, Carcinoma in Situ, and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	0	0.0	8	27.7		
Diabetes Mellitus	5	45.7	6	47.8	4	37.9	4	21.4	23	79.7		
Dementia	13	118.8	14	111.6	3	28.4	11	59.0	28	97.0		
Alzheimer's Disease	14	128.0	4	31.9	4	56.9	12	64.3	10	34.6		
Major Cardiovascular Disease	56	511.8	52	414.6	53	502.4	118	632.4	169	585.5		
--Diseases of the Heart	42	383.9	38	303.0	41	388.6	89	477.0	125	433.1		
----Ischemic Heart Disease	28	255.9	25	199.3	20	189.6	54	289.4	86	297.9		
----Essential Hypertension and Hypertensive Renal Disease	2	18.3	2	15.9	5	47.4	1	5.4	5	17.3		
--Cerebrovascular Diseases (Stroke)	11	100.5	11	87.7	6	56.9	23	123.3	35	121.3		
--Arteriosclerosis	0	0.0	1	8.0	0	0.0	0	0.0	3	3.5		
--Other Diseases of Arteries, Arterioles, and Capillaries	1	9.1	0	0.0	1	9.5	5	26.8	3	10.4		
Influenza and Pneumonia	6	54.8	6	47.8	3	28.4	14	75.0	11	38.1		
--Influenza	0	0.0	1	8.0	0	0.0	2	10.7	0	0.0		
--Pneumonia	6	54.8	5	39.9	3	28.4	12	64.3	11	38.1		
Chronic Lower Respiratory Diseases	13	118.8	8	63.8	10	94.8	12	64.3	41	142.0		
--Bronchitis, Emphysema, and Asthma	2	18.3	1	8.0	1	9.5	1	5.4	2	6.9		
--Lung Diseases due to External Agents	2	18.3	2	15.9	1	9.5	1	5.4	2	6.9		
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Chronic Liver Disease and Cirrhosis	10	91.4	2	15.9	1	9.5	4	21.4	11	38.1		
Nephritis, Nephrotic Syndrome, and Nephrosis	1	9.1	1	8.0	0	0.0	1	5.4	0	0.0		
Congenital Malformations	7	64.0	2	15.9	4	37.9	6	32.2	3	10.4		
Ill-Defined and Unknown Causes of Death	5	45.7	7	55.8	1	9.5	11	59.0	16	55.4		
Accidents, All Forms	0	0.0	2	15.9	0	0.0	1	5.4	2	6.9		
--Motor Vehicle	0	0.0	3	23.9	0	0.0	5	26.8	5	17.3		
--Falls	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Smoke, Fires, and Flames	1	9.1	2	15.9	1	9.5	4	21.4	7	24.3		
--Poisonings	2	18.3	0	0.0	0	0.0	1	5.4	1	3.5		
--Other Accidents	2	18.3	3	23.9	2	19.0	2	19.0	5	17.3		
Intentional Self-Harm (Suicide)	1	9.1	1	8.0	0	0.0	0	0.0	1	3.5		
Assault (Homicide)	2	18.3	0	0.0	0	0.0	5	26.8	3	10.4		
Injury Undetermined Whether Accidental or Purposely Inflicted	27	246.8	19	151.5	16	151.7	13	69.7	68	235.6		
All Other Causes (Residual)												

*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.

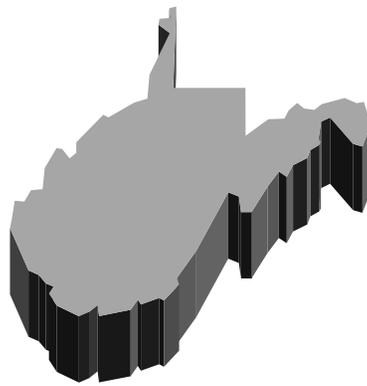


West Virginia Vital Statistics

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
J09-J18	Influenza and Pneumonia
J09-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 2009 and filed in the state office of vital statistics prior to February 18, 2011. 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, 310 births occurred within the geographic confines of the Upshur County of which only so many were to mothers who reside in Upshur County; the remainder reside in other counties or states. Resident births for the county for 2009 totaled 268 which include 115 births that occurred in Upshur County and 153 births to Upshur 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 2009 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-est2009.html> (followed by the spreadsheet - NST-EST2009-01.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 2009 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.

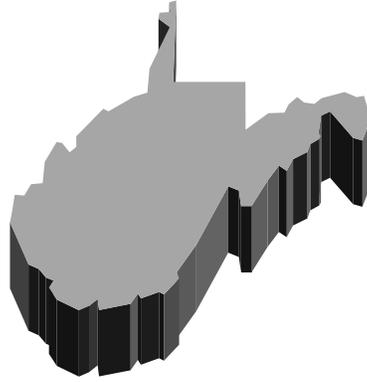
PATERNITY AFFIDAVIT- A legal document signed by both parents declaring the paternity of their child.

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

West Virginia Bureau for Public Health
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