

# West Virginia Vital Statistics 2011



WEST VIRGINIA  
Department of  
**Health & Human  
Resources**  
  
**BUREAU FOR PUBLIC HEALTH**

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

*Earl Ray Tomblin, Governor  
Karen L. Bowling, Cabinet Secretary*



SIXTY-FIFTH ANNUAL REPORT

WEST VIRGINIA  
VITAL STATISTICS  
2011



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## FOREWORD

*West Virginia Vital Statistics 2011* publication provides an in-depth look at births, deaths, marriages and divorces that occurred among state residents in 2011. 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 103. Please see the Table of Contents for further reference.

West Virginia had a natural decrease in population (excess of deaths over births) for the fourth year in a row. West Virginia rose in overall population between 2010 and 2011 with 24 of the 55 counties gaining population.

The number of total births increased (20,471 to 20,705) from 2010 to 2011 while the births to teenage mothers decreased. Births to unmarried mothers stayed about the same in 2011 as 2010 but over two out of every five births still occurred out of wedlock. Among the unmarried mothers giving birth in West Virginia, a father was established through a paternity affidavit in 70.6% of these births, which is lower than the 2010 percentage of 71.5%.

Of the women who gave birth in 2011, 83.7% received prenatal care during the first trimester of pregnancy while 26.1% smoked during pregnancy. The percentage of low birthweight babies increased in 2011 going from 9.2% in 2010 to 9.6%. In 2011, 37.0% of all babies were delivered by Cesarean section.

The number of deaths increased by 592 in 2011. The average age at death for West Virginians was 68.8 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 58.1% of all deaths in West Virginia. Motor vehicle traffic accident deaths increased by 64 in 2011, from 313 to 377.

The infant death rate dropped from 7.3 per 1,000 live births in 2010 to 6.8 in 2011. The majority (80.9%) of infant deaths were due to conditions originating in the perinatal period, congenital malformations and SIDS (Sudden Infant Death Syndrome). The fetal death ratio rose from 4.1 per 1,000 live births in 2010 to 4.3 in 2011. Almost all (92.2%) of fetal deaths were due to conditions originating in the perinatal period.

Marriages increased for the second straight year, from 12,662 in 2010 to 13,271. Divorces also increased from 9,431 in 2010 to 9,620 in 2011.

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 1,837 ITOPs performed in the state in 2011 compared with 1,999 in 2010. In 2011, 91 of these procedures involved a minor under the age of 18 compared with 127 in 2010.

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>.

## 2011 West Virginia and United States Vital Statistics Review

|                             | West Virginia |       | United States*** |       |
|-----------------------------|---------------|-------|------------------|-------|
|                             | Number        | Rate* | Number           | Rate* |
| Live Births                 | 20,705        | 11.2  | 3,953,590        | 12.7  |
| Deaths                      | 21,870        | 11.8  | 2,513,171        | 8.1   |
| Fetal Deaths                | 90            | **4.3 | N/A              | N/A   |
| Neonatal Deaths             | 86            | **4.2 | 15,954           | **4.0 |
| Infant Deaths               | 141           | **6.8 | 23,910           | **6.0 |
| Marriages                   | 13,271        | 7.2   | 2,118,000        | 6.8   |
| Divorces & Annulments       | 9,620         | 5.2   | 877,000          | 2.8   |
| Natural Increase (Decrease) | (1,165)       | (0.6) | 1,440,419        | 4.6   |
| Population (2011 Estimate)  | 1,855,364     |       | 311,591,917      |       |

\*Rates based on 2011 U.S. Census Bureau estimates.

<http://census.gov/>.

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

\*\*\*National Center for Health Statistics.

(Births) *National Vital Statistics Report*.

[http://www.cdc.gov/nchs/data/nvsr/nvsr62/nvsr62\\_01.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr62/nvsr62_01.pdf)

(Deaths, Neonatal and Infant Deaths) *National Vital Statistics Report*.

[http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61\\_06.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_06.pdf)

(Marriages and Divorces) *National Vital Statistics Report*.

[http://www.cdc.gov/nchs/data/nvsr/marriage\\_divorce\\_tables.htm](http://www.cdc.gov/nchs/data/nvsr/marriage_divorce_tables.htm)

Note: US Divorces exclude data from California, Georgia, Hawaii, Indiana, Louisiana and Minnesota.

## Selected Records and Trivia West Virginia, 2011

### Nativity

|                                                                                          |                     |
|------------------------------------------------------------------------------------------|---------------------|
| Oldest Father: 70                                                                        | Oldest Mother: 50   |
| Youngest Father: 14                                                                      | Youngest Mother: 13 |
| Highest Live Birth Order: 11 <sup>th</sup> Delivery – 10 siblings (brothers and sisters) |                     |
| Day Most Births Occurred: August 16 (99)                                                 |                     |
| Day Fewest Births Occurred: June 19 (15)                                                 |                     |
| Number of Live Born Twins: 668                                                           |                     |
| Number of Live Born Triplets: 15                                                         |                     |

### Most Popular Names for Babies

| <u>Boys' Names</u> | <u>Number</u> | <u>Girls' Names</u> | <u>Number</u> |
|--------------------|---------------|---------------------|---------------|
| Mason              | 149           | Isabella            | 157           |
| Landon             | 131           | Emma                | 139           |
| Jacob              | 128           | Madison             | 116           |
| Noah               | 120           | Sophia              | 112           |
| Elijah             | 117           | Addison             | 97            |
| Aiden              | 114           | Abigail             | 95            |
| Liam               | 113           | Olivia              | 92            |
| Hunter             | 109           | Ava                 | 88            |
| Brayden            | 107           | Alexis              | 75            |
| Bentley            | 98            | Emily               | 74            |

### Mortality

|                                                  |                             |
|--------------------------------------------------|-----------------------------|
| Oldest Male Decedent: 110                        | Oldest Female Decedent: 110 |
| Number of Male Decedents 100 Yrs. & Older: 22    |                             |
| Number of Female Decedents 100 Yrs. & Older: 115 |                             |
| Day Most Deaths Occurred: March 9 (90)           |                             |
| Day Fewest Deaths Occurred: October 13 (36)      |                             |

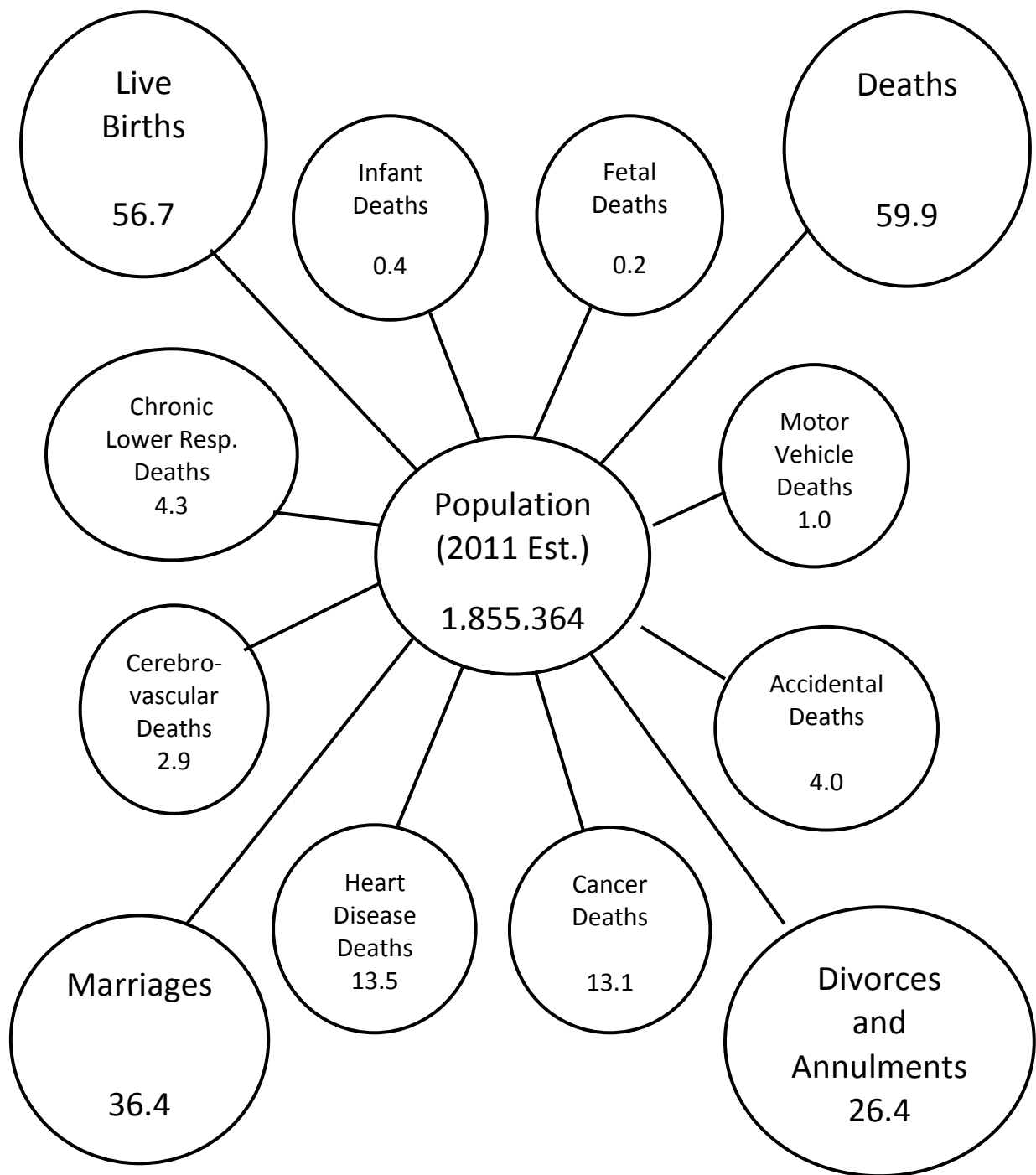
### Marriage

|                                                   |                    |
|---------------------------------------------------|--------------------|
| Oldest Groom: 96                                  | Oldest Bride: 88   |
| Youngest Groom: 16                                | Youngest Bride: 16 |
| Largest Age Difference with Bride Older: 57 Years |                    |
| Largest Age Difference with Groom Older: 44 Years |                    |

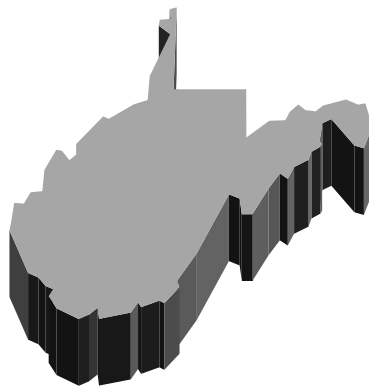
### Divorce

|                                                          |                              |
|----------------------------------------------------------|------------------------------|
| Oldest Male Divorcé: 89                                  | Oldest Female Divorcée: 94   |
| Youngest Male Divorcé: 17                                | Youngest Female Divorcée: 16 |
| Marriage of Longest Duration Ending in Divorce: 64 Years |                              |

## Average Day Statistics West Virginia, 2011



West Virginia Bureau for Public Health  
Health Statistics Center, 2014



West Virginia Vital Statistics

# **Population**



## Population Summary

In 2011, 2,370 West Virginians were gained to the total population as a result of net migration. The 2011 Census shows an overall increase (approximately 0.1%) in the state's population since 2010, from 1,852,994 to 1,855,364. This increase is the result of a slight growth in the excess of immigration over outmigration during that span, in spite of the natural decrease (excess of deaths over births).

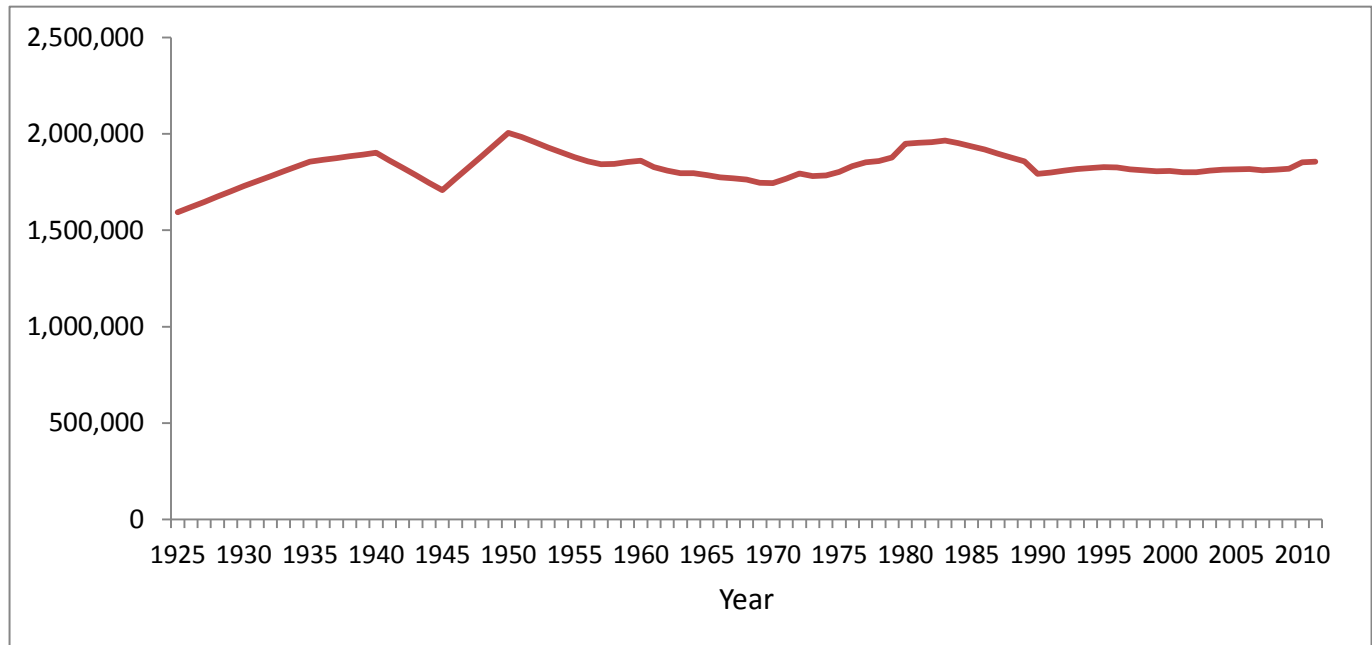
Even though there was an increase in the overall population from 2010 to 2011, less than half (24) of the state's 55 counties have shown an increase. Furthermore, seventeen (17) of the state's 30 largest cities have shown an increase in population since the 2010 Census.

The U.S. Census Bureau estimates the population during non-census years and can be found at [www.census.gov](http://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, 1925-2011

### 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%              |
| 2010  | 1,852,994  | 2005 to 2010         | 2.0%              |
| 2011* | 1,855,364  | 2010 to 2011         | 0.1%              |

# West Virginia Population by County, 2010 and 2011

Table 1

| County     | 2010    | 2011    | County     | 2010      | 2011      |
|------------|---------|---------|------------|-----------|-----------|
| Barbour    | 16,589  | 16,520  | Monongalia | 96,189    | 98,528    |
| Berkeley   | 104,169 | 105,750 | Monroe     | 13,502    | 13,534    |
| Boone      | 24,629  | 24,444  | Morgan     | 17,541    | 17,535    |
| Braxton    | 14,523  | 14,485  | Nicholas   | 26,233    | 26,268    |
| Brooke     | 24,069  | 23,844  | Ohio       | 44,443    | 44,246    |
| Cabell     | 96,319  | 96,653  | Pendleton  | 7,695     | 7,673     |
| Calhoun    | 7,627   | 7,652   | Pleasants  | 7,605     | 7,611     |
| Clay       | 9,386   | 9,357   | Pocahontas | 8,719     | 8,786     |
| Doddridge  | 8,202   | 8,171   | Preston    | 33,520    | 33,723    |
| Fayette    | 46,039  | 45,699  | Putnam     | 55,486    | 56,008    |
| Gilmer     | 8,693   | 8,705   | Raleigh    | 78,859    | 79,127    |
| Grant      | 11,937  | 11,891  | Randolph   | 29,405    | 29,465    |
| Greenbrier | 35,480  | 35,800  | Ritchie    | 10,449    | 10,295    |
| Hampshire  | 23,964  | 23,812  | Roane      | 14,926    | 14,858    |
| Hancock    | 30,676  | 30,571  | Summers    | 13,927    | 13,867    |
| Hardy      | 14,025  | 13,912  | Taylor     | 16,895    | 16,916    |
| Harrison   | 69,099  | 69,436  | Tucker     | 7,141     | 7,021     |
| Jackson    | 29,211  | 29,241  | Tyler      | 9,208     | 9,121     |
| Jefferson  | 53,498  | 54,225  | Upshur     | 24,254    | 24,322    |
| Kanawha    | 193,063 | 192,315 | Wayne      | 42,481    | 42,126    |
| Lewis      | 16,372  | 16,416  | Webster    | 9,154     | 9,143     |
| Lincoln    | 21,720  | 21,550  | Wetzel     | 16,583    | 16,351    |
| Logan      | 36,743  | 36,457  | Wirt       | 5,717     | 5,762     |
| McDowell   | 22,113  | 21,729  | Wood       | 86,956    | 87,120    |
| Marion     | 56,418  | 56,586  | Wyoming    | 23,796    | 23,419    |
| Marshall   | 33,107  | 32,800  |            |           |           |
| Mason      | 27,324  | 27,298  |            |           |           |
| Mercer     | 62,264  | 62,465  | WV Total   | 1,852,994 | 1,855,364 |
| Mineral    | 28,212  | 28,192  |            |           |           |
| Mingo      | 26,839  | 26,563  |            |           |           |

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West Virginia Population Characteristics, 2010 and 2011  
Distribution by Gender, Age and Race  
Table 2

| Characteristic                                               | 2010 Census |         | 2011 Estimate |         |
|--------------------------------------------------------------|-------------|---------|---------------|---------|
|                                                              | Number      | Percent | Number        | Percent |
| <u>Total</u>                                                 | 1,852,994   | 100.0%  | 1,855,364     | 100.0%  |
| <u>Gender</u>                                                |             |         |               |         |
| Male                                                         | 913,586     | 49.3%   | 915,081       | 49.3%   |
| Female                                                       | 939,408     | 50.7%   | 940,283       | 50.7%   |
| <u>Age</u>                                                   |             |         |               |         |
| Less than 5 Years                                            | 104,060     | 5.6%    | 103,456       | 5.6%    |
| 5-17 Years                                                   | 283,358     | 15.3%   | 281,338       | 15.2%   |
| 18-44 Years                                                  | 627,191     | 33.8%   | 626,410       | 33.8%   |
| 45-64 Years                                                  | 540,981     | 29.2%   | 543,190       | 29.3%   |
| 65 Years and Older                                           | 297,404     | 16.0%   | 300,970       | 16.2%   |
| <u>Race</u>                                                  |             |         |               |         |
| White or Caucasian                                           | 1,739,988   | 93.9%   | 1,745,175     | 94.1%   |
| Black or African American                                    | 63,124      | 3.4%    | 65,825        | 3.5%    |
| Asian, Native Hawaiian and Other Pacific Islander            | 12,834      | 0.7%    | 13,989        | 0.8%    |
| American Indian, Eskimo, Aleutian Islander and Alaska Native | 3,787       | 0.2%    | 4,086         | 0.2%    |
| All Other Races                                              | 33,261      | 1.8%    | 26,289        | 1.4%    |
| <u>Hispanic Origin*</u>                                      | 22,268      | 1.2%    | 23,900        | 1.3%    |

\* May be of any race  
2000 and 2010 Census Source: <http://www.census.gov>

Age Group Distribution by County  
West Virginia Population 2010 Census (Both Genders)

Table 3

| County     | Less Than<br>1 Year | 1-4 Years | 5-14 Years | 15-24<br>Years | 25-34<br>Years | 35-44<br>Years | 45-54<br>Years | 55-64<br>Years | 65-74<br>Years | 75-84<br>Years | 85+ Years | Total   |
|------------|---------------------|-----------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|---------|
| Barbour    | 176                 | 773       | 1,983      | 2,225          | 1,766          | 2,123          | 2,473          | 2,309          | 1,562          | 875            | 324       | 16,589  |
| Berkeley   | 1,311               | 5,930     | 14,650     | 12,390         | 14,133         | 15,218         | 15,714         | 12,965         | 7,182          | 3,585          | 1,091     | 104,169 |
| Boone      | 322                 | 1,205     | 3,168      | 2,714          | 2,869          | 3,427          | 3,659          | 3,776          | 2,018          | 1,105          | 366       | 24,629  |
| Braxton    | 158                 | 633       | 1,668      | 1,645          | 1,554          | 1,840          | 2,222          | 2,257          | 1,458          | 793            | 295       | 14,523  |
| Brooke     | 186                 | 937       | 2,580      | 3,125          | 2,366          | 2,891          | 3,578          | 3,804          | 2,273          | 1,670          | 659       | 24,069  |
| Cabell     | 1,175               | 4,371     | 10,252     | 14,964         | 13,111         | 11,721         | 12,844         | 12,517         | 8,015          | 5,326          | 2,023     | 96,319  |
| Calhoun    | 98                  | 315       | 841        | 796            | 845            | 904            | 1,201          | 1,242          | 769            | 446            | 170       | 7,627   |
| Clay       | 98                  | 470       | 1,259      | 1,059          | 1,033          | 1,233          | 1,412          | 1,350          | 817            | 498            | 157       | 9,386   |
| Doddridge  | 86                  | 305       | 904        | 1,080          | 973            | 1,031          | 1,282          | 1,212          | 807            | 405            | 117       | 8,202   |
| Fayette    | 520                 | 2,112     | 5,210      | 5,211          | 5,362          | 5,831          | 6,910          | 7,081          | 4,090          | 2,725          | 987       | 46,039  |
| Gilmer     | 69                  | 296       | 673        | 1,424          | 1,431          | 1,348          | 1,239          | 1,020          | 656            | 375            | 162       | 8,693   |
| Grant      | 131                 | 503       | 1,466      | 1,265          | 1,218          | 1,561          | 1,767          | 1,837          | 1,283          | 660            | 246       | 11,937  |
| Greenbrier | 355                 | 1,490     | 4,010      | 3,957          | 3,830          | 4,116          | 5,400          | 5,484          | 3,766          | 2,225          | 847       | 35,480  |
| Hampshire  | 239                 | 1,042     | 3,056      | 2,674          | 2,551          | 3,198          | 3,731          | 3,575          | 2,347          | 1,184          | 367       | 23,964  |
| Hancock    | 275                 | 1,259     | 3,535      | 2,979          | 3,235          | 3,941          | 4,901          | 4,797          | 2,851          | 2,102          | 801       | 30,676  |
| Hardy      | 148                 | 645       | 1,674      | 1,548          | 1,544          | 1,931          | 2,180          | 2,026          | 1,400          | 717            | 212       | 14,025  |
| Harrison   | 796                 | 3,231     | 8,328      | 7,849          | 8,238          | 8,950          | 10,665         | 9,634          | 5,945          | 3,836          | 1,627     | 69,099  |
| Jackson    | 313                 | 1,374     | 3,607      | 3,420          | 3,197          | 3,771          | 4,481          | 3,883          | 2,870          | 1,743          | 552       | 29,211  |
| Jefferson  | 593                 | 2,784     | 7,254      | 7,299          | 6,028          | 7,825          | 8,450          | 6,951          | 3,838          | 1,810          | 666       | 53,498  |
| Kanawha    | 2,139               | 8,651     | 22,151     | 21,923         | 23,977         | 23,747         | 29,731         | 28,429         | 16,847         | 11,151         | 4,317     | 193,063 |
| Lewis      | 184                 | 757       | 1,812      | 1,809          | 1,824          | 2,150          | 2,495          | 2,413          | 1,644          | 927            | 357       | 16,372  |
| Lincoln    | 241                 | 1,069     | 2,698      | 2,481          | 2,531          | 2,948          | 3,351          | 3,116          | 1,946          | 1,088          | 251       | 21,720  |
| Logan      | 381                 | 1,478     | 4,256      | 3,993          | 4,518          | 4,977          | 5,670          | 5,895          | 3,071          | 1,932          | 572       | 36,743  |
| McDowell   | 230                 | 970       | 2,399      | 2,525          | 2,546          | 2,783          | 3,500          | 3,502          | 2,026          | 1,177          | 455       | 22,113  |
| Marion     | 634                 | 2,491     | 6,128      | 7,673          | 6,979          | 7,204          | 7,893          | 7,875          | 5,020          | 3,149          | 1,372     | 56,418  |
| Marshall   | 341                 | 1,401     | 3,808      | 3,727          | 3,488          | 4,120          | 5,078          | 5,330          | 3,079          | 1,996          | 739       | 33,107  |
| Mason      | 271                 | 1,301     | 3,322      | 2,948          | 3,263          | 3,388          | 4,306          | 3,871          | 2,636          | 1,547          | 471       | 27,324  |
| Mercer     | 737                 | 2,825     | 7,003      | 7,872          | 7,031          | 7,526          | 8,615          | 9,442          | 5,936          | 3,772          | 1,505     | 62,264  |
| Mineral    | 336                 | 1,185     | 3,275      | 3,785          | 2,913          | 3,665          | 4,101          | 4,059          | 2,901          | 1,462          | 530       | 28,212  |
| Mingo      | 313                 | 1,301     | 3,283      | 3,061          | 3,325          | 3,609          | 4,197          | 4,127          | 2,091          | 1,183          | 349       | 26,839  |

West Virginia Bureau for Public Health  
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Age Group Distribution by County  
West Virginia Population 2010 Census (Both Genders)  
Table 3 (Cont'd)

| County     | Less Than<br>1 Year | 1-4 Years | 5-14 Years | 15-24<br>Years | 25-34<br>Years | 35-44<br>Years | 45-54<br>Years | 55-64<br>Years | 65-74<br>Years | 75-84<br>Years | 85+ Years | Total     |
|------------|---------------------|-----------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|-----------|
| Monongalia | 875                 | 3,592     | 8,238      | 28,273         | 14,339         | 10,289         | 10,912         | 9,845          | 5,310          | 3,233          | 1,283     | 96,189    |
| Monroe     | 133                 | 622       | 1,573      | 1,415          | 1,348          | 1,661          | 2,029          | 2,070          | 1,512          | 828            | 311       | 13,502    |
| Morgan     | 158                 | 685       | 2,079      | 1,796          | 1,683          | 2,365          | 2,803          | 2,756          | 1,882          | 1,022          | 312       | 17,541    |
| Nicholas   | 310                 | 1,264     | 2,945      | 2,957          | 2,825          | 3,392          | 3,986          | 4,077          | 2,611          | 1,388          | 478       | 26,233    |
| Ohio       | 434                 | 1,812     | 4,684      | 6,442          | 4,692          | 4,913          | 6,676          | 6,577          | 3,873          | 2,975          | 1,365     | 44,443    |
| Pendleton  | 90                  | 293       | 806        | 825            | 725            | 855            | 1,200          | 1,220          | 873            | 578            | 230       | 7,695     |
| Pleasants  | 81                  | 277       | 874        | 885            | 878            | 1,086          | 1,237          | 1,059          | 706            | 373            | 149       | 7,605     |
| Pocahontas | 77                  | 317       | 880        | 839            | 954            | 1,015          | 1,478          | 1,475          | 970            | 545            | 169       | 8,719     |
| Preston    | 321                 | 1,477     | 3,597      | 3,623          | 4,624          | 4,622          | 5,121          | 4,878          | 3,044          | 1,635          | 578       | 33,520    |
| Putnam     | 611                 | 2,704     | 7,619      | 5,792          | 6,449          | 7,839          | 8,760          | 7,735          | 4,716          | 2,488          | 773       | 55,486    |
| Raleigh    | 960                 | 3,805     | 8,920      | 8,992          | 10,082         | 10,357         | 11,210         | 11,872         | 6,732          | 4,397          | 1,532     | 78,859    |
| Randolph   | 304                 | 1,204     | 3,146      | 3,513          | 3,374          | 3,796          | 4,528          | 4,294          | 3,003          | 1,540          | 703       | 29,405    |
| Ritchie    | 107                 | 463       | 1,243      | 1,120          | 1,092          | 1,315          | 1,730          | 1,582          | 1,055          | 517            | 225       | 10,449    |
| Roane      | 139                 | 687       | 1,877      | 1,532          | 1,603          | 1,905          | 2,323          | 2,294          | 1,494          | 780            | 292       | 14,926    |
| Summers    | 116                 | 512       | 1,368      | 1,373          | 1,653          | 1,799          | 2,213          | 2,211          | 1,439          | 903            | 340       | 13,927    |
| Taylor     | 214                 | 755       | 1,960      | 1,810          | 2,052          | 2,309          | 2,612          | 2,439          | 1,487          | 908            | 349       | 16,895    |
| Tucker     | 64                  | 267       | 757        | 763            | 682            | 887            | 1,095          | 1,125          | 870            | 468            | 163       | 7,141     |
| Tyler      | 95                  | 378       | 1,087      | 976            | 831            | 1,212          | 1,471          | 1,458          | 945            | 574            | 181       | 9,208     |
| Upshur     | 278                 | 1,141     | 2,681      | 3,718          | 2,575          | 2,925          | 3,485          | 3,407          | 2,322          | 1,274          | 448       | 24,254    |
| Wayne      | 425                 | 1,988     | 5,393      | 5,027          | 4,816          | 5,723          | 6,179          | 5,916          | 3,929          | 2,363          | 722       | 42,481    |
| Webster    | 122                 | 421       | 1,013      | 1,039          | 922            | 1,187          | 1,402          | 1,444          | 923            | 474            | 207       | 9,154     |
| Wetzel     | 162                 | 686       | 1,940      | 1,872          | 1,625          | 2,063          | 2,562          | 2,434          | 1,806          | 1,087          | 346       | 16,583    |
| Wirt       | 41                  | 262       | 678        | 623            | 586            | 723            | 1,031          | 879            | 578            | 234            | 82        | 5,717     |
| Wood       | 990                 | 4,050     | 10,533     | 10,010         | 9,963          | 11,207         | 13,400         | 12,085         | 8,243          | 4,693          | 1,782     | 86,956    |
| Wyoming    | 258                 | 1,073     | 2,917      | 2,660          | 2,646          | 3,072          | 3,667          | 3,914          | 2,053          | 1,222          | 314       | 23,796    |
| WV Total   | 20,221              | 83,839    | 215,061    | 237,296        | 220,698        | 237,494        | 276,156        | 264,825        | 163,520        | 97,963         | 35,921    | 1,852,994 |

Age Group Distribution by County  
West Virginia Population 2010 Census (Males)  
Table 3 (Cont'd)

| County     | Less Than<br>1 Year | 1-4 Years | 5-14 Years | 15-24<br>Years | 25-34<br>Years | 35-44<br>Years | 45-54<br>Years | 55-64<br>Years | 65-74<br>Years | 75-84<br>Years | 85+ Years | Total  |
|------------|---------------------|-----------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|--------|
| Barbour    | 91                  | 413       | 1,041      | 1,088          | 851            | 1,062          | 1,228          | 1,153          | 774            | 386            | 103       | 8,190  |
| Berkeley   | 647                 | 2,985     | 7,439      | 6,169          | 7,014          | 7,554          | 7,884          | 6,557          | 3,464          | 1,589          | 401       | 51,703 |
| Boone      | 173                 | 615       | 1,671      | 1,417          | 1,402          | 1,712          | 1,852          | 1,835          | 1,007          | 437            | 118       | 12,239 |
| Braxton    | 63                  | 337       | 827        | 846            | 815            | 925            | 1,166          | 1,127          | 747            | 367            | 96        | 7,316  |
| Brooke     | 86                  | 483       | 1,319      | 1,582          | 1,193          | 1,452          | 1,767          | 1,873          | 1,052          | 670            | 195       | 11,672 |
| Cabell     | 623                 | 2,284     | 5,302      | 7,393          | 6,735          | 5,947          | 6,326          | 6,008          | 3,695          | 2,065          | 594       | 46,972 |
| Calhoun    | 44                  | 155       | 423        | 415            | 433            | 462            | 594            | 644            | 387            | 211            | 53        | 3,821  |
| Clay       | 45                  | 253       | 611        | 552            | 487            | 613            | 725            | 690            | 422            | 219            | 47        | 4,664  |
| Doddridge  | 47                  | 142       | 479        | 651            | 556            | 574            | 667            | 625            | 408            | 202            | 40        | 4,391  |
| Fayette    | 263                 | 1,088     | 2,698      | 2,856          | 2,755          | 3,066          | 3,472          | 3,618          | 1,921          | 1,061          | 287       | 23,085 |
| Gilmer     | 40                  | 145       | 327        | 840            | 1,082          | 962            | 755            | 580            | 308            | 160            | 57        | 5,256  |
| Grant      | 66                  | 255       | 768        | 627            | 605            | 791            | 882            | 893            | 645            | 311            | 85        | 5,928  |
| Greenbrier | 175                 | 747       | 2,061      | 2,098          | 1,893          | 2,010          | 2,647          | 2,681          | 1,772          | 947            | 265       | 17,296 |
| Hampshire  | 125                 | 532       | 1,560      | 1,411          | 1,296          | 1,665          | 1,870          | 1,802          | 1,188          | 551            | 136       | 12,136 |
| Hancock    | 137                 | 639       | 1,846      | 1,516          | 1,558          | 1,984          | 2,377          | 2,386          | 1,289          | 867            | 242       | 14,841 |
| Hardy      | 84                  | 337       | 858        | 776            | 797            | 994            | 1,122          | 1,009          | 701            | 322            | 78        | 7,078  |
| Harrison   | 422                 | 1,688     | 4,239      | 3,969          | 4,110          | 4,422          | 5,303          | 4,688          | 2,756          | 1,540          | 511       | 33,648 |
| Jackson    | 174                 | 709       | 1,891      | 1,782          | 1,625          | 1,835          | 2,218          | 1,888          | 1,342          | 778            | 183       | 14,425 |
| Jefferson  | 318                 | 1,418     | 3,657      | 3,677          | 2,938          | 3,844          | 4,225          | 3,459          | 1,868          | 822            | 218       | 26,444 |
| Kanawha    | 1,037               | 4,461     | 11,269     | 11,118         | 11,872         | 11,755         | 14,324         | 13,569         | 7,653          | 4,282          | 1,385     | 92,725 |
| Lewis      | 106                 | 383       | 927        | 933            | 919            | 1,076          | 1,226          | 1,187          | 780            | 415            | 116       | 8,068  |
| Lincoln    | 128                 | 556       | 1,400      | 1,231          | 1,253          | 1,494          | 1,647          | 1,561          | 967            | 491            | 75        | 10,803 |
| Logan      | 213                 | 747       | 2,150      | 2,070          | 2,294          | 2,539          | 2,765          | 2,955          | 1,417          | 761            | 187       | 18,098 |
| McDowell   | 115                 | 479       | 1,253      | 1,300          | 1,337          | 1,433          | 1,682          | 1,789          | 954            | 449            | 146       | 10,937 |
| Marion     | 326                 | 1,279     | 3,128      | 3,902          | 3,518          | 3,614          | 3,885          | 3,897          | 2,302          | 1,258          | 437       | 27,546 |
| Marshall   | 158                 | 704       | 1,900      | 1,941          | 1,755          | 2,097          | 2,485          | 2,612          | 1,425          | 812            | 265       | 16,154 |
| Mason      | 140                 | 646       | 1,723      | 1,522          | 1,450          | 1,643          | 2,071          | 1,899          | 1,244          | 639            | 154       | 13,131 |
| Mercer     | 387                 | 1,452     | 3,525      | 3,939          | 3,404          | 3,716          | 4,131          | 4,489          | 2,792          | 1,505          | 414       | 29,754 |
| Mineral    | 182                 | 650       | 1,713      | 1,973          | 1,447          | 1,849          | 1,964          | 1,969          | 1,424          | 632            | 183       | 13,986 |
| Mingo      | 153                 | 647       | 1,689      | 1,550          | 1,620          | 1,815          | 2,046          | 2,027          | 1,015          | 468            | 130       | 13,160 |

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Age Group Distribution by County  
West Virginia Population 2010 Census (Males)  
Table 3 (Cont'd)

| County     | Less Than<br>1 Year | 1-4 Years | 5-14 Years | 15-24<br>Years | 25-34<br>Years | 35-44<br>Years | 45-54<br>Years | 55-64<br>Years | 65-74<br>Years | 75-84<br>Years | 85+ Years | Total   |
|------------|---------------------|-----------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|---------|
| Monongalia | 432                 | 1,856     | 4,174      | 15,210         | 7,861          | 5,475          | 5,472          | 4,928          | 2,520          | 1,297          | 375       | 49,600  |
| Monroe     | 62                  | 352       | 802        | 710            | 664            | 843            | 1,019          | 988            | 763            | 360            | 117       | 6,680   |
| Morgan     | 76                  | 363       | 1,059      | 922            | 825            | 1,218          | 1,411          | 1,363          | 926            | 460            | 126       | 8,749   |
| Nicholas   | 150                 | 676       | 1,543      | 1,477          | 1,422          | 1,634          | 1,971          | 2,011          | 1,286          | 601            | 143       | 12,914  |
| Ohio       | 207                 | 945       | 2,375      | 3,133          | 2,425          | 2,391          | 3,238          | 3,201          | 1,768          | 1,084          | 398       | 21,165  |
| Pendleton  | 49                  | 154       | 407        | 458            | 383            | 435            | 601            | 614            | 424            | 272            | 100       | 3,897   |
| Pleasants  | 49                  | 148       | 478        | 497            | 506            | 595            | 678            | 546            | 385            | 150            | 47        | 4,079   |
| Pocahontas | 30                  | 155       | 454        | 442            | 538            | 516            | 779            | 758            | 518            | 231            | 52        | 4,473   |
| Preston    | 181                 | 765       | 1,839      | 1,880          | 2,585          | 2,491          | 2,692          | 2,463          | 1,504          | 722            | 176       | 17,298  |
| Putnam     | 299                 | 1,381     | 3,866      | 3,038          | 3,093          | 3,881          | 4,267          | 3,815          | 2,294          | 1,045          | 270       | 27,249  |
| Raleigh    | 479                 | 1,931     | 4,566      | 4,628          | 5,406          | 5,493          | 5,591          | 5,894          | 3,194          | 1,760          | 445       | 39,387  |
| Randolph   | 155                 | 611       | 1,617      | 1,871          | 1,949          | 2,033          | 2,335          | 2,189          | 1,514          | 646            | 228       | 15,148  |
| Ritchie    | 59                  | 237       | 650        | 581            | 535            | 650            | 903            | 777            | 533            | 229            | 68        | 5,222   |
| Roane      | 73                  | 342       | 970        | 803            | 787            | 932            | 1,132          | 1,204          | 748            | 316            | 77        | 7,384   |
| Summers    | 55                  | 257       | 683        | 634            | 662            | 741            | 936            | 1,106          | 677            | 372            | 127       | 6,250   |
| Taylor     | 103                 | 402       | 1,017      | 956            | 1,092          | 1,194          | 1,373          | 1,232          | 700            | 375            | 105       | 8,549   |
| Tucker     | 34                  | 135       | 395        | 409            | 324            | 453            | 546            | 563            | 443            | 228            | 49        | 3,579   |
| Tyler      | 51                  | 185       | 523        | 497            | 412            | 616            | 712            | 755            | 464            | 230            | 68        | 4,513   |
| Upshur     | 137                 | 582       | 1,343      | 1,839          | 1,318          | 1,461          | 1,717          | 1,731          | 1,117          | 533            | 166       | 11,944  |
| Wayne      | 196                 | 1,037     | 2,754      | 2,563          | 2,359          | 2,786          | 3,017          | 2,882          | 1,899          | 1,030          | 221       | 20,744  |
| Webster    | 60                  | 216       | 528        | 528            | 447            | 588            | 693            | 719            | 478            | 201            | 73        | 4,531   |
| Wetzel     | 84                  | 364       | 1,007      | 950            | 805            | 1,031          | 1,266          | 1,208          | 823            | 499            | 102       | 8,139   |
| Wirt       | 21                  | 140       | 354        | 307            | 284            | 339            | 516            | 457            | 309            | 114            | 27        | 2,868   |
| Wood       | 497                 | 2,035     | 5,386      | 4,950          | 4,881          | 5,563          | 6,551          | 5,771          | 3,865          | 1,891          | 557       | 41,947  |
| Wyoming    | 138                 | 557       | 1,489      | 1,357          | 1,317          | 1,565          | 1,791          | 1,982          | 1,025          | 491            | 98        | 11,810  |
| WV Total   | 10,245              | 43,055    | 109,973    | 121,784        | 111,894        | 119,829        | 136,513        | 130,627        | 77,896         | 40,354         | 11,416    | 913,586 |

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Age Group Distribution by County  
West Virginia Population 2010 Census (Females)  
Table 3 (Cont'd)

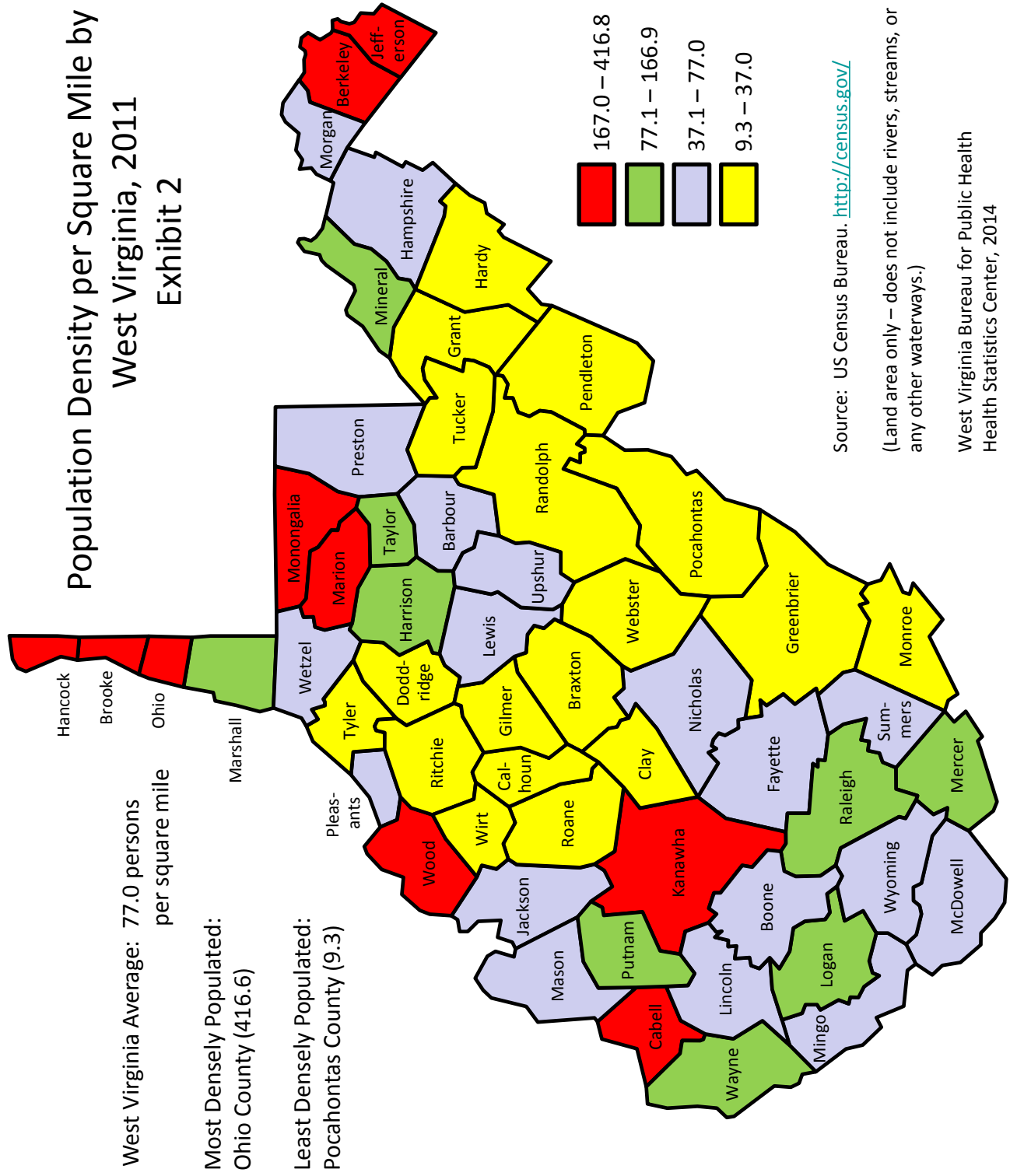
| County     | Less Than<br>1 Year | 1-4 Years | 5-14 Years | 15-24<br>Years | 25-34<br>Years | 35-44<br>Years | 45-54<br>Years | 55-64<br>Years | 65-74<br>Years | 75-84<br>Years | 85+ Years | Total   |
|------------|---------------------|-----------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|---------|
| Barbour    | 85                  | 360       | 942        | 1,137          | 915            | 1,061          | 1,245          | 1,156          | 788            | 489            | 221       | 8,399   |
| Berkeley   | 664                 | 2,945     | 7,211      | 6,221          | 7,119          | 7,664          | 7,830          | 6,408          | 3,718          | 1,996          | 690       | 52,466  |
| Boone      | 149                 | 590       | 1,497      | 1,297          | 1,467          | 1,715          | 1,807          | 1,941          | 1,011          | 668            | 248       | 12,390  |
| Braxton    | 95                  | 296       | 841        | 799            | 739            | 915            | 1,056          | 1,130          | 711            | 426            | 199       | 7,207   |
| Brooke     | 100                 | 454       | 1,261      | 1,543          | 1,173          | 1,439          | 1,811          | 1,931          | 1,221          | 1,000          | 464       | 12,397  |
| Cabell     | 552                 | 2,087     | 4,950      | 7,571          | 6,376          | 5,774          | 6,518          | 6,509          | 4,320          | 3,261          | 1,429     | 49,347  |
| Calhoun    | 54                  | 160       | 418        | 381            | 412            | 442            | 607            | 598            | 382            | 235            | 117       | 3,806   |
| Clay       | 53                  | 217       | 648        | 507            | 546            | 620            | 687            | 660            | 395            | 279            | 110       | 4,722   |
| Doddridge  | 39                  | 163       | 425        | 429            | 417            | 457            | 615            | 587            | 399            | 203            | 77        | 3,811   |
| Fayette    | 257                 | 1,024     | 2,512      | 2,355          | 2,607          | 2,765          | 3,438          | 3,463          | 2,169          | 1,664          | 700       | 22,954  |
| Gilmer     | 29                  | 151       | 346        | 584            | 349            | 386            | 484            | 440            | 348            | 215            | 105       | 3,437   |
| Grant      | 65                  | 248       | 698        | 638            | 613            | 770            | 885            | 944            | 638            | 349            | 161       | 6,009   |
| Greenbrier | 180                 | 743       | 1,949      | 1,859          | 1,937          | 2,106          | 2,753          | 2,803          | 1,994          | 1,278          | 582       | 18,184  |
| Hampshire  | 114                 | 510       | 1,496      | 1,263          | 1,255          | 1,533          | 1,861          | 1,773          | 1,159          | 633            | 231       | 11,828  |
| Hancock    | 138                 | 620       | 1,689      | 1,463          | 1,677          | 1,957          | 2,524          | 2,411          | 1,562          | 1,235          | 559       | 15,835  |
| Hardy      | 64                  | 308       | 816        | 772            | 747            | 937            | 1,058          | 1,017          | 699            | 395            | 134       | 6,947   |
| Harrison   | 374                 | 1,543     | 4,089      | 3,880          | 4,128          | 4,528          | 5,362          | 4,946          | 3,189          | 2,296          | 1,116     | 35,451  |
| Jackson    | 139                 | 665       | 1,716      | 1,638          | 1,572          | 1,936          | 2,263          | 1,995          | 1,528          | 965            | 369       | 14,786  |
| Jefferson  | 275                 | 1,366     | 3,597      | 3,622          | 3,090          | 3,981          | 4,225          | 3,492          | 1,970          | 988            | 448       | 27,054  |
| Kanawha    | 1,102               | 4,190     | 10,882     | 10,805         | 12,105         | 11,992         | 15,407         | 14,860         | 9,194          | 6,869          | 2,932     | 100,338 |
| Lewis      | 78                  | 374       | 885        | 876            | 905            | 1,074          | 1,269          | 1,226          | 864            | 512            | 241       | 8,304   |
| Lincoln    | 113                 | 513       | 1,298      | 1,250          | 1,278          | 1,454          | 1,704          | 1,555          | 979            | 597            | 176       | 10,917  |
| Logan      | 168                 | 731       | 2,106      | 1,923          | 2,224          | 2,438          | 2,905          | 2,940          | 1,654          | 1,171          | 385       | 18,645  |
| McDowell   | 115                 | 491       | 1,146      | 1,225          | 1,209          | 1,350          | 1,818          | 1,713          | 1,072          | 728            | 309       | 11,176  |
| Marion     | 308                 | 1,212     | 3,000      | 3,771          | 3,461          | 3,590          | 4,008          | 3,978          | 2,718          | 1,891          | 935       | 28,872  |
| Marshall   | 183                 | 697       | 1,908      | 1,786          | 1,733          | 2,023          | 2,593          | 2,718          | 1,654          | 1,184          | 474       | 16,953  |
| Mason      | 131                 | 655       | 1,599      | 1,426          | 1,813          | 1,745          | 2,235          | 1,972          | 1,392          | 908            | 317       | 14,193  |
| Mercer     | 350                 | 1,373     | 3,478      | 3,933          | 3,627          | 3,810          | 4,484          | 4,953          | 3,144          | 2,267          | 1,091     | 32,510  |
| Mineral    | 154                 | 535       | 1,562      | 1,812          | 1,466          | 1,816          | 2,137          | 2,090          | 1,477          | 830            | 347       | 14,226  |
| Mingo      | 160                 | 654       | 1,594      | 1,511          | 1,705          | 1,794          | 2,151          | 2,100          | 1,076          | 715            | 219       | 13,679  |

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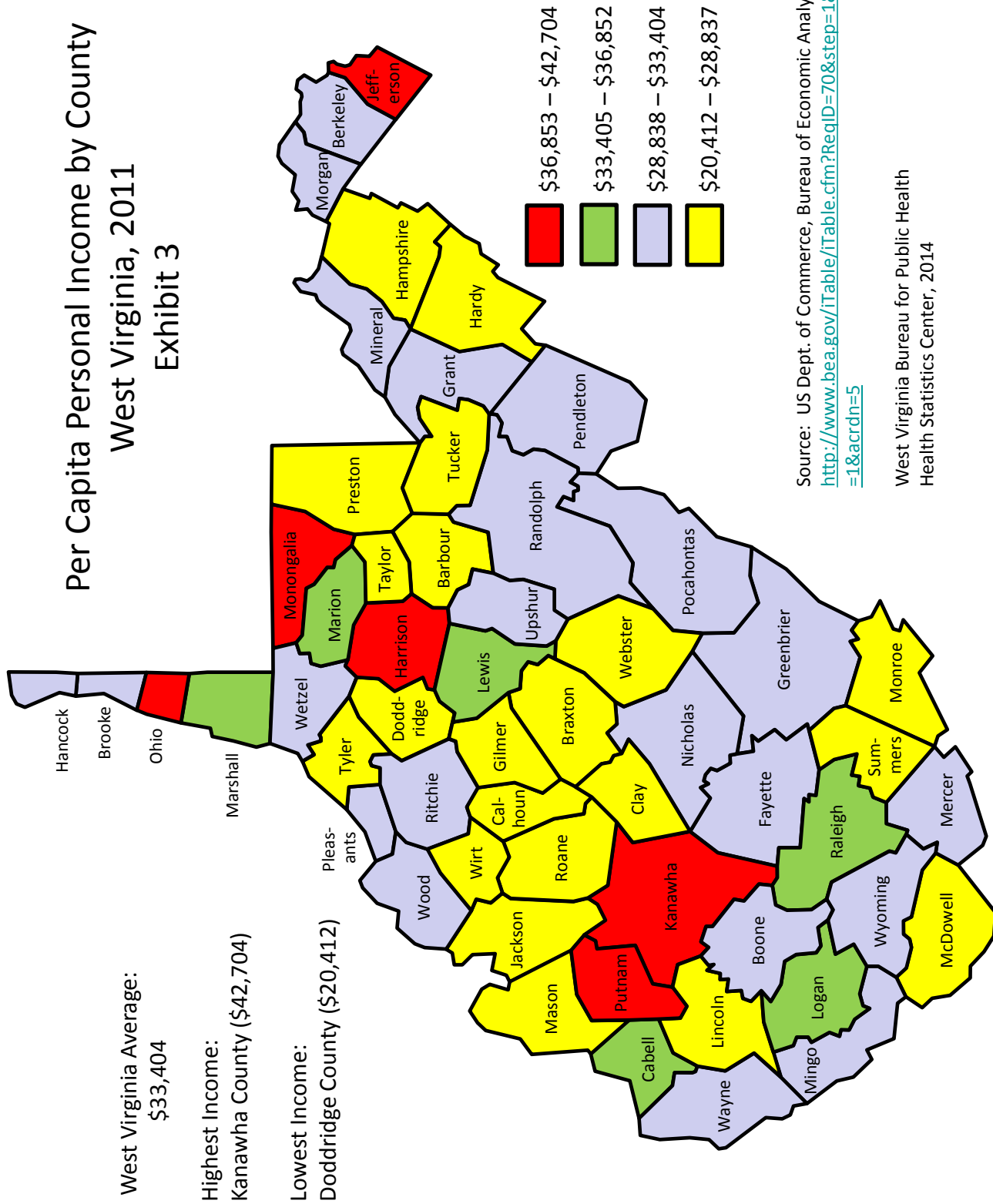
Age Group Distribution by County  
West Virginia Population 2010 Census (Females)  
Table 3 (Cont'd)

| County     | Less Than<br>1 Year | 1-4 Years | 5-14 Years | 15-24<br>Years | 25-34<br>Years | 35-44<br>Years | 45-54<br>Years | 55-64<br>Years | 65-74<br>Years | 75-84<br>Years | 85+ Years | Total   |
|------------|---------------------|-----------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|---------|
| Monongalia | 443                 | 1,736     | 4,064      | 13,063         | 6,478          | 4,814          | 5,440          | 4,917          | 2,790          | 1,936          | 908       | 46,589  |
| Monroe     | 71                  | 270       | 771        | 705            | 684            | 818            | 1,010          | 1,082          | 749            | 468            | 194       | 6,822   |
| Morgan     | 82                  | 322       | 1,020      | 874            | 858            | 1,147          | 1,392          | 1,393          | 956            | 562            | 186       | 8,792   |
| Nicholas   | 160                 | 588       | 1,402      | 1,480          | 1,403          | 1,758          | 2,015          | 2,066          | 1,325          | 787            | 335       | 13,319  |
| Ohio       | 227                 | 867       | 2,309      | 3,309          | 2,267          | 2,522          | 3,438          | 3,376          | 2,105          | 1,891          | 967       | 23,278  |
| Pendleton  | 41                  | 139       | 399        | 367            | 342            | 420            | 599            | 606            | 449            | 306            | 130       | 3,798   |
| Pleasants  | 32                  | 129       | 396        | 388            | 372            | 491            | 559            | 513            | 321            | 223            | 102       | 3,526   |
| Pocahontas | 47                  | 162       | 426        | 397            | 416            | 499            | 699            | 717            | 452            | 314            | 117       | 4,246   |
| Preston    | 140                 | 712       | 1,758      | 1,743          | 2,039          | 2,131          | 2,429          | 2,415          | 1,540          | 913            | 402       | 16,222  |
| Putnam     | 312                 | 1,323     | 3,753      | 2,754          | 3,356          | 3,958          | 4,493          | 3,920          | 2,422          | 1,443          | 503       | 28,237  |
| Raleigh    | 481                 | 1,874     | 4,354      | 4,364          | 4,676          | 4,864          | 5,619          | 5,978          | 3,538          | 2,637          | 1,087     | 39,472  |
| Randolph   | 149                 | 593       | 1,529      | 1,642          | 1,425          | 1,763          | 2,193          | 2,105          | 1,489          | 894            | 475       | 14,257  |
| Ritchie    | 48                  | 226       | 593        | 539            | 557            | 665            | 827            | 805            | 522            | 288            | 157       | 5,227   |
| Roane      | 66                  | 345       | 907        | 729            | 816            | 973            | 1,191          | 1,090          | 746            | 464            | 215       | 7,542   |
| Summers    | 61                  | 255       | 685        | 739            | 991            | 1,058          | 1,277          | 1,105          | 762            | 531            | 213       | 7,677   |
| Taylor     | 111                 | 353       | 943        | 854            | 960            | 1,115          | 1,239          | 1,207          | 787            | 533            | 244       | 8,346   |
| Tucker     | 30                  | 132       | 362        | 354            | 358            | 434            | 549            | 562            | 427            | 240            | 114       | 3,562   |
| Tyler      | 44                  | 193       | 564        | 479            | 419            | 596            | 759            | 703            | 481            | 344            | 113       | 4,695   |
| Upshur     | 141                 | 559       | 1,338      | 1,879          | 1,257          | 1,464          | 1,768          | 1,676          | 1,205          | 741            | 282       | 12,310  |
| Wayne      | 229                 | 951       | 2,639      | 2,464          | 2,457          | 2,937          | 3,162          | 3,034          | 2,030          | 1,333          | 501       | 21,737  |
| Webster    | 62                  | 205       | 485        | 511            | 475            | 599            | 709            | 725            | 445            | 273            | 134       | 4,623   |
| Wetzel     | 78                  | 322       | 933        | 922            | 820            | 1,032          | 1,296          | 1,226          | 983            | 588            | 244       | 8,444   |
| Wirt       | 20                  | 122       | 324        | 316            | 302            | 384            | 515            | 422            | 269            | 120            | 55        | 2,849   |
| Wood       | 493                 | 2,015     | 5,147      | 5,060          | 5,082          | 5,644          | 6,849          | 6,314          | 4,378          | 2,802          | 1,225     | 45,009  |
| Wyoming    | 120                 | 516       | 1,428      | 1,303          | 1,329          | 1,507          | 1,876          | 1,932          | 1,028          | 731            | 216       | 11,986  |
| WV Total   | 9,976               | 40,784    | 105,088    | 115,512        | 108,804        | 117,665        | 139,643        | 134,198        | 85,624         | 57,609         | 24,505    | 939,408 |

# Population Density per Square Mile by County West Virginia, 2011 Exhibit 2



# Per Capita Personal Income by County West Virginia, 2011 Exhibit 3



Source: US Dept. of Commerce, Bureau of Economic Analysis.  
<http://www.bea.gov/itable/itable.cfm?ReqID=70&step=1&isuri=1&acrdn=5>

West Virginia Bureau for Public Health  
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**Births, Deaths, Natural Increase or Decrease and Net Migration**  
**West Virginia Population, 1950-2011**  
**Table 4**

| Year      | Population | Number<br>of<br>Births | Number<br>of<br>Deaths | Natural<br>Increase or<br>Decrease | Net<br>Migration<br>(+ or -) | Percent<br>Change<br>(%) |
|-----------|------------|------------------------|------------------------|------------------------------------|------------------------------|--------------------------|
| 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%                    |
| 2010 - a  | 1,852,994  | 20,471                 | 21,278                 | (807)                              | 34,024                       | 1.83%                    |
| 2011 - f  | 1,855,364  | 20,705                 | 21,870                 | (1,165)                            | 3,535                        | 0.13%                    |

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

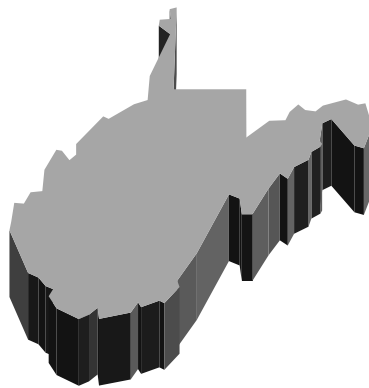
b. Source of population data 1950 through 1959: US Department of Health, Education and Welfare, Public Health Service, Vital Statistics Rates of the United States, 1940-1960.

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

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

e. Source of population data 2001 through 2009: [http://www.census.gov/popest/counties/CO-EST2009-popchg2000\\_2009.html](http://www.census.gov/popest/counties/CO-EST2009-popchg2000_2009.html)

f. Source of population data 2011: [http://www.census.gov/popest/counties/CO-EST2011-popchg2010\\_2011.html](http://www.census.gov/popest/counties/CO-EST2011-popchg2010_2011.html)



West Virginia Vital Statistics

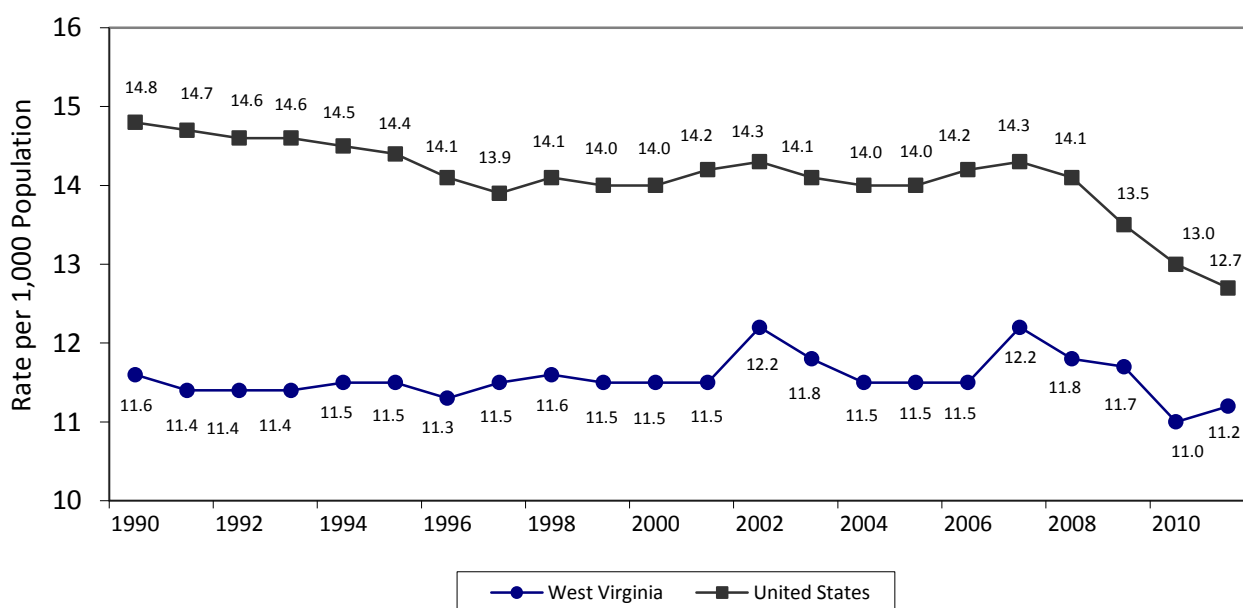
**Births**



## Birth Summary

West Virginia's resident live births increased by 234 or 1.1%, from 20,471 in 2010 to 20,705 in 2011. The 2011 birth rate increased 1.8%, from 11.0 per 1,000 population in 2010 to 11.2. The U.S. 2011 birth rate was 12.7 live births per 1,000 population, decreasing 2.3% from the 2010 rate of 13.0. As the graph below shows, West Virginia's birth rate has been well below the national rate since 1990. It continued its overall decline until 1996 and remained relatively stable from 1996 to 2006 and 2008 with a slight increase in 2007.

West Virginia and United States Birth Rates  
1990-2011



The 2011 U.S. fertility rate of 63.2 live births per 1,000 women aged 15-44 was lower (1.4%) than the 2010 rate (64.1). West Virginia's fertility rate increased 1.3%, from 59.9 in 2010 to 60.7 in 2011. A comparison of West Virginia and United States age-specific fertility rates is displayed below:

| Fertility Rates* by Age Group<br>West Virginia and United States, 2010 |        |       |        |               |        |
|------------------------------------------------------------------------|--------|-------|--------|---------------|--------|
| 15-19                                                                  |        | 20-44 |        | Total (15-44) |        |
| WV                                                                     | U.S.** | WV    | U.S.** | WV            | U.S.** |
| 43.0                                                                   | 31.3   | 63.9  | 69.5   | 60.7          | 63.2   |

\* All fertility rates were calculated using 2010 Census, U.S. Department of Commerce, Bureau of the Census.

\*\*National Center for Health Statistics, [http://www.cdc.gov/nchs/data/nvsr/nvsr62/nvsr62\\_01.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr62/nvsr62_01.pdf)

The fertility rate among women aged 15-19 in West Virginia was 37.4% higher than that among young women in the U.S. (43.0 vs. 31.3). The fertility rate among women aged 20-44 was lower by 8.1% in the state than in the nation (63.9 vs. 69.5).

The number of births to teen mothers (ages 10-19) decreased by 154 (5.9%), from 2,616 in 2010 to 2,462 in 2011. The percentage of total births represented by teen births was lower in 2011 than 2010 (11.9% vs. 12.8%). 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 (8.4% in 2011).

The percentage of births occurring out of wedlock has risen every year for quite some time. However, it was slightly lower in 2011 than 2010. More than two of every five (43.8%) West Virginia resident births were to unwed mothers, compared to 43.9% in 2010. The percentages of white and black births that occurred out of wedlock in West Virginia in 2011 were 42.8% and 76.5%, respectively, compared to 43.0% and 73.7% in 2010. In the United States in 2011, 35.7% of births to white mothers (non-Hispanic) and 71.8% 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 83.2% in 2010 to 83.8% in 2011.

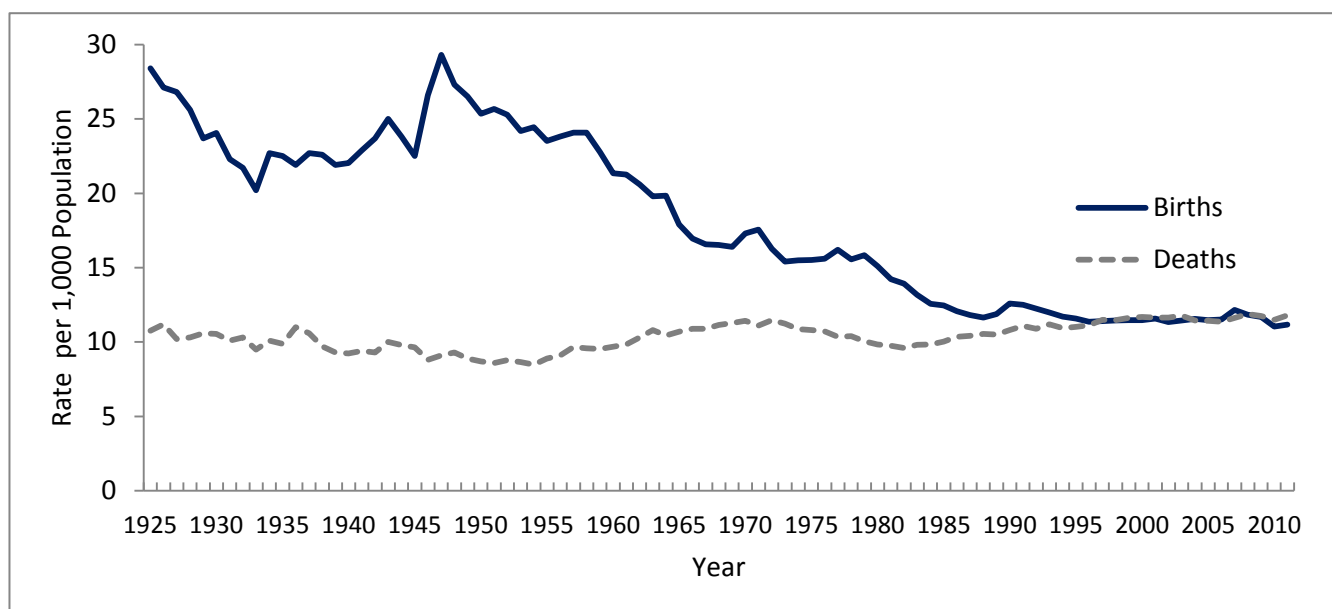
There was a total of 1,986 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2011, 9.6% of all births. Of the 1,986 low birthweight infants, 1,348 or 68.0% were preterm babies born before 37 weeks of gestation. (Of all 2011 resident births with a known gestational age, 11.3% were preterm babies.) In 2011, 9.5% of babies born to white mothers and 12.2% of babies born to black mothers were low birthweight. Nationally, 8.1% of all infants weighed less than 2,500 grams at birth in 2011; 7.1% of births to white mothers and 13.0% of births to black mothers were of low birthweight.

In 2011, 83.7% 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 reliable data available). Among those with known prenatal care, 84.1% of white mothers began care during the first trimester; 73.5% 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 0.5% of white mothers and 1.3% of black mothers.

Over one-fourth (26.1%) of the births in 2011 were to mothers who smoked during their pregnancies, while 0.3% of births were to women who reported using alcohol. National figures from 2010 show that 9.2% 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, 14.7% of the babies born were low birthweight, compared with 7.7% among non-smoking mothers. Over one-third (37.0%) of 2011 state births were delivered by Cesarean section, compared with a national rate of 32.8%. One or more complications of labor and/or delivery were reported for 33.9% of deliveries in the state in 2011.

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 Pennsylvania, 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 a Pennsylvania occurrence.

Number and Rate of Resident Births (Compared to Deaths)  
West Virginia, 1925-2011  
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                      |
| 2010 | 20,471                | 11.0                      | 21,278           | 11.5                      |
| 2011 | 20,705                | 11.2                      | 21,870           | 11.8                      |

Summary Totals  
West Virginia Resident Births, 2011  
Table 5

| Characteristic                     | Number | Percent | Characteristic                          | Number | Percent |
|------------------------------------|--------|---------|-----------------------------------------|--------|---------|
| Total                              | 20,705 | 100.0%  | <u>Mother's Marital Status</u>          |        |         |
| <u>Gender</u>                      |        |         | White or Caucasian                      | 11,240 | 57.2%   |
| Male                               | 10,745 | 51.9%   | Married                                 | 8,395  | 42.8%   |
| Female                             | 9,960  | 48.1%   | Not Married                             |        |         |
| Unknown                            | 0      |         | Unknown                                 | 9      |         |
| <u>Race of Mother</u>              |        |         | Black or African American               |        |         |
| White or Caucasian                 | 19,644 | 95.0%   | Married                                 | 167    | 23.5%   |
| Black or African American          | 713    | 3.4%    | Not Married                             | 545    | 76.5%   |
| All Other Races                    | 331    | 1.6%    | Unknown                                 | 1      |         |
| Unknown                            | 17     |         | All Other Races                         |        |         |
| <u>Attendant at Birth</u>          |        |         | Married                                 | 216    | 65.5%   |
| Physician                          | 17,764 | 86.3%   | Not Married                             | 114    | 34.5%   |
| Certified Nurse Midwife            | 2,687  | 13.1%   | Unknown                                 | 1      |         |
| Certified Professional Midwife     | 50     | 0.2%    | Unknown                                 |        |         |
| Lay Midwife                        | 27     | 0.1%    | Married                                 | 9      | 64.3%   |
| EMT/Paramedic                      | 10     | 0.0%    | Not Married                             | 5      | 35.7%   |
| Other                              | 45     | 0.2%    | Unknown                                 | 3      |         |
| Unknown                            | 122    |         | <u>Method of Delivery</u>               |        |         |
| <u>Place of Birth</u>              |        |         | Vaginal                                 | 12,155 | 60.8%   |
| Hospital                           | 20,304 | 99.2%   | Vaginal after Previous Cesarean Section | 431    | 2.2%    |
| Home                               | 120    | 0.6%    | Cesarean Section                        | 7,401  | 37.0%   |
| Freestanding Birthing Center       | 20     | 0.1%    | Primary                                 | 4,200  | 21.0%   |
| En Route to Hospital               | 12     | 0.1%    | Repeat                                  | 3,201  | 16.0%   |
| Doctor's Office                    | 0      | 0.0%    | One or More Reported Factors            |        |         |
| Other Specified Address (Not Home) | 6      | 0.0%    | Medical Risk Factors                    | 9,171  | 44.6%   |
| Unknown                            | 243    |         | Complications of Labor and/or Delivery  | 6,984  | 33.9%   |
| <u>Mother's Smoking Status</u>     |        |         | Congenital Malformations                | 331    | 1.6%    |
| Smoked During Pregnancy            | 5,389  | 26.1%   | Abnormal Conditions of the Newborn      | 2,136  | 10.5%   |

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Percentages are calculated excluding unknown.

Birthweight by Age of Mother  
West Virginia Resident Births, 2011  
Table 6

| Birthweight                                     | Age of Mother  |                |                |                |                |                |                |                |                |         | Total  |
|-------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------|--------|
|                                                 | 10-14<br>Years | 15-17<br>Years | 18-19<br>Years | 20-24<br>Years | 25-29<br>Years | 30-34<br>Years | 35-39<br>Years | 40-44<br>Years | 45 and<br>Over | Unknown |        |
| Less than 1,000 Grams<br>(Less than 2.205 lbs.) | 0              | 6              | 14             | 39             | 37             | 31             | 15             | 5              | 2              | 0       | 149    |
| 1,000 - 1,499 Grams<br>(2.205 - 3.305 lbs.)     | 1              | 11             | 15             | 56             | 40             | 36             | 17             | 2              | 8              | 1       | 187    |
| 1,500 - 1,999 Grams<br>(3.307 - 4.407 lbs.)     | 0              | 12             | 28             | 114            | 115            | 65             | 39             | 12             | 0              | 0       | 385    |
| 2,000 - 2,499 Grams<br>(4.409 - 5.509 lbs.)     | 2              | 38             | 113            | 406            | 338            | 232            | 95             | 31             | 10             | 0       | 1,265  |
| 2,500 - 2,999 Grams<br>(5.512 - 6.612 lbs.)     | 7              | 179            | 402            | 1,376          | 1,107          | 658            | 260            | 74             | 16             | 0       | 4,079  |
| 3,000 - 3,499 Grams<br>(6.614 - 7.714 lbs.)     | 11             | 262            | 721            | 2,510          | 2,230          | 1,507          | 530            | 119            | 14             | 1       | 7,905  |
| 3,500 - 3,999 Grams<br>(7.716 - 8.816 lbs.)     | 6              | 138            | 396            | 1,459          | 1,563          | 1,153          | 396            | 82             | 7              | 0       | 5,200  |
| 4,000 - 4,499 Grams<br>(8.819 - 9.919 lbs.)     | 0              | 16             | 74             | 334            | 464            | 313            | 101            | 25             | 1              | 0       | 1,328  |
| 4,500 or more Grams<br>(9.921 or more lbs.)     | 0              | 2              | 7              | 38             | 69             | 41             | 31             | 5              | 0              | 0       | 193    |
| Unknown                                         | 0              | 1              | 0              | 3              | 5              | 2              | 1              | 2              | 0              | 0       | 14     |
| Total                                           | 27             | 665            | 1,770          | 6,335          | 5,968          | 4,038          | 1,485          | 357            | 58             | 2       | 20,705 |

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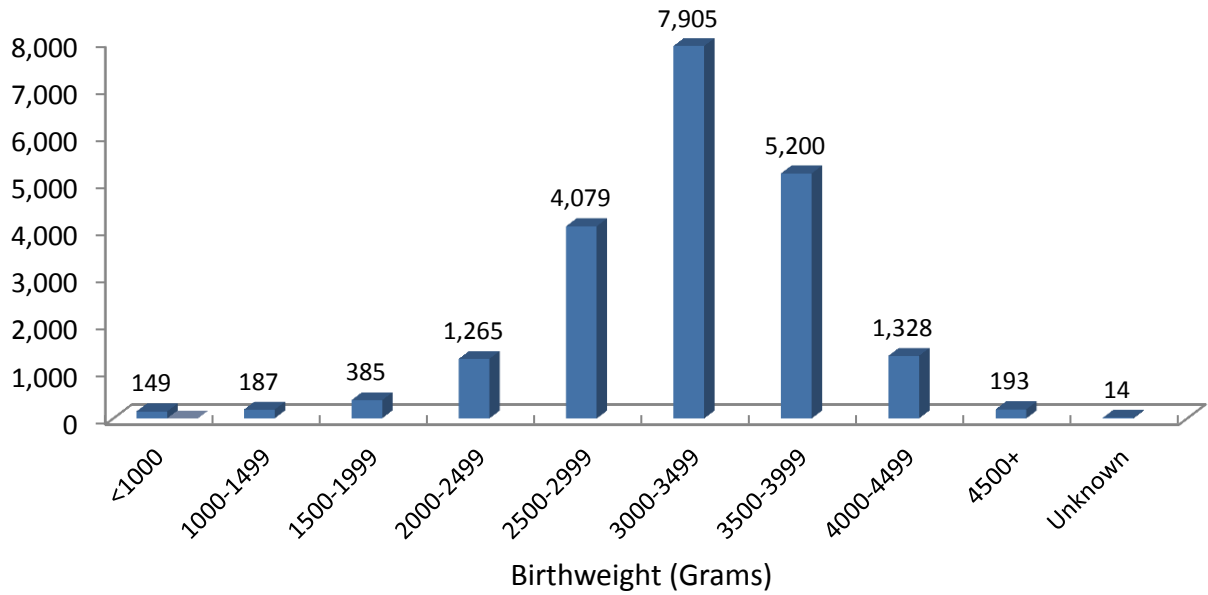
Selected Factors by Birthweight of Infant  
West Virginia Resident Births, 2011  
Table 7

| Factor                                          | Very Low<br>Birthweight<br><1,500 Grams |         | Moderately Low<br>Birthweight<br>1,500-2,499 Grams |         | Normal<br>Birthweight<br>2,500+ Grams |         | Unknown<br>Birthweight | Total  |
|-------------------------------------------------|-----------------------------------------|---------|----------------------------------------------------|---------|---------------------------------------|---------|------------------------|--------|
|                                                 | Number                                  | Percent | Number                                             | Percent | Number                                | Percent |                        |        |
| Total Births                                    | 336                                     | 1.6%    | 1,650                                              | 8.0%    | 18,705                                | 90.4%   | 14                     | 20,705 |
| Maternal Age                                    |                                         |         |                                                    |         |                                       |         |                        |        |
| < 20 Years                                      | 47                                      | 1.9%    | 193                                                | 7.8%    | 2,221                                 | 90.2%   | 1                      | 2,462  |
| < 15 Years                                      | 1                                       | 3.7%    | 2                                                  | 7.4%    | 24                                    | 88.9%   | 0                      | 27     |
| Maternal Race                                   |                                         |         |                                                    |         |                                       |         |                        |        |
| White or Caucasian                              | 314                                     | 1.6%    | 1,558                                              | 7.9%    | 17,763                                | 90.5%   | 9                      | 19,644 |
| Black or African American                       | 20                                      | 2.8%    | 67                                                 | 9.4%    | 626                                   | 87.8%   | 0                      | 713    |
| All Other Races                                 | 2                                       | 0.6%    | 24                                                 | 7.3%    | 305                                   | 92.1%   | 0                      | 331    |
| Unknown                                         | 0                                       | 0.0%    | 1                                                  | 8.3%    | 11                                    | 91.7%   | 5                      | 17     |
| Entry Into Prenatal Care                        |                                         |         |                                                    |         |                                       |         |                        |        |
| First Trimester                                 | 263                                     | 1.6%    | 1,255                                              | 7.4%    | 15,437                                | 91.0%   | 3                      | 16,958 |
| Second Trimester                                | 41                                      | 1.5%    | 265                                                | 9.8%    | 2,402                                 | 88.7%   | 3                      | 2,711  |
| Third Trimester                                 | 9                                       | 1.8%    | 66                                                 | 13.5%   | 413                                   | 84.6%   | 0                      | 488    |
| No Prenatal Care                                | 5                                       | 4.5%    | 16                                                 | 14.4%   | 90                                    | 81.1%   | 0                      | 111    |
| Unknown                                         | 18                                      | 4.2%    | 48                                                 | 11.2%   | 363                                   | 84.6%   | 8                      | 437    |
| Gestational Age                                 |                                         |         |                                                    |         |                                       |         |                        |        |
| < 32 Weeks                                      | 276                                     | 75.6%   | 82                                                 | 22.5%   | 7                                     | 1.9%    | 3                      | 368    |
| 32-36 Weeks                                     | 56                                      | 2.9%    | 934                                                | 47.7%   | 970                                   | 49.5%   | 0                      | 1,960  |
| 37-38 Weeks                                     | 3                                       | 0.1%    | 456                                                | 8.2%    | 5,107                                 | 91.8%   | 1                      | 5,567  |
| 39+ Weeks                                       | 1                                       | 0.0%    | 177                                                | 1.4%    | 12,609                                | 98.6%   | 3                      | 12,790 |
| Unknown                                         | 0                                       | 0.0%    | 1                                                  | 7.7%    | 12                                    | 92.3%   | 7                      | 20     |
| Mother's Education Level                        |                                         |         |                                                    |         |                                       |         |                        |        |
| 8 Years or Less                                 | 4                                       | 1.2%    | 37                                                 | 10.7%   | 304                                   | 88.1%   | 0                      | 345    |
| 9-11 Years (No High School Diploma)             | 60                                      | 1.9%    | 330                                                | 10.6%   | 2,727                                 | 87.5%   | 2                      | 3,119  |
| 12 Years (High School or GED)                   | 120                                     | 1.7%    | 675                                                | 9.3%    | 6,437                                 | 89.0%   | 5                      | 7,237  |
| 13-15 Years (Some College or Associates Degree) | 68                                      | 1.4%    | 304                                                | 6.4%    | 4,406                                 | 92.2%   | 1                      | 4,779  |
| 16+ Years (Bachelor's Degree or Higher)         | 71                                      | 1.4%    | 259                                                | 5.3%    | 4,584                                 | 93.3%   | 0                      | 4,914  |
| Unknown                                         | 13                                      | 4.3%    | 45                                                 | 14.8%   | 247                                   | 81.0%   | 6                      | 311    |
| Mother's Marital Status                         |                                         |         |                                                    |         |                                       |         |                        |        |
| Married                                         | 164                                     | 1.4%    | 785                                                | 6.7%    | 10,681                                | 91.8%   | 2                      | 11,632 |
| Not Married                                     | 172                                     | 1.9%    | 865                                                | 9.6%    | 8,013                                 | 88.5%   | 9                      | 9,059  |
| Unknown                                         | 0                                       | 0.0%    | 0                                                  | 0.0%    | 11                                    | 100.0%  | 3                      | 14     |

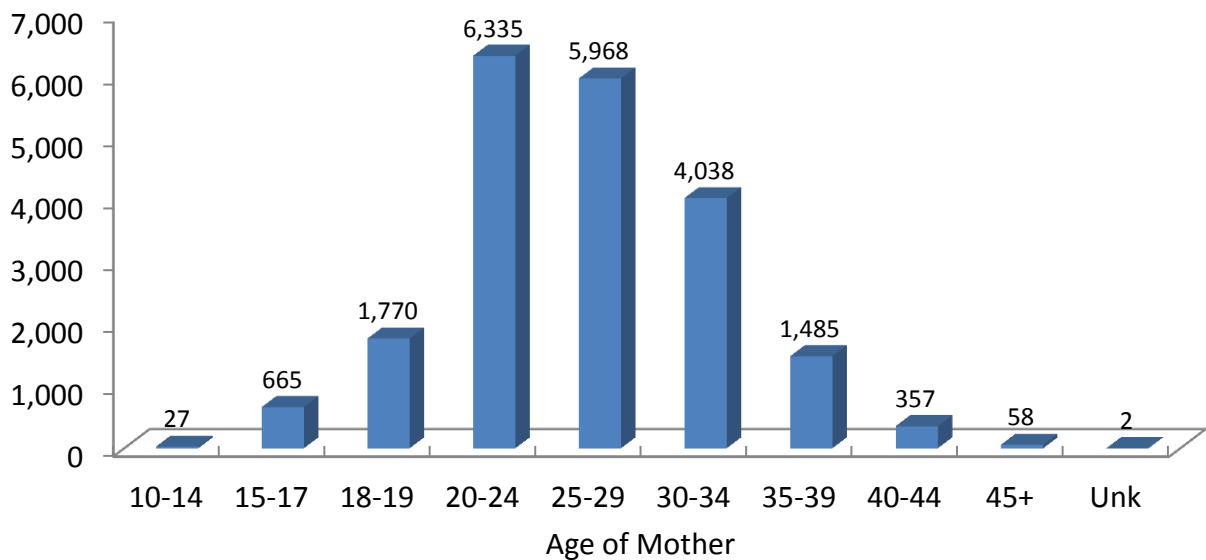
Percentages are calculated excluding unknown birthweight

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**Birthweight in Grams\***  
**West Virginia Resident Births, 2011**  
**Exhibit 5**

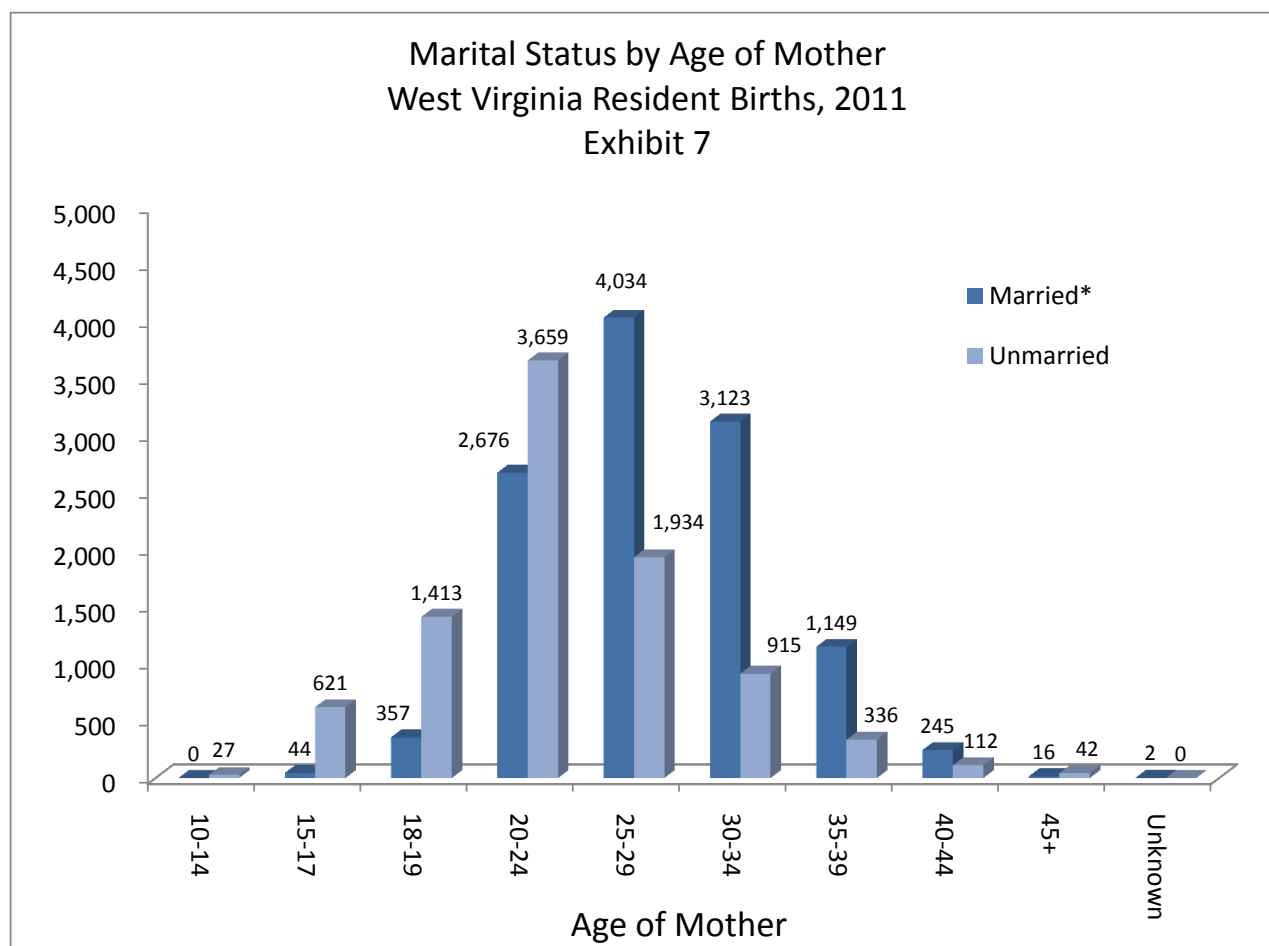


**Age of Mother**  
**West Virginia Resident Births, 2011**  
**Exhibit 6**

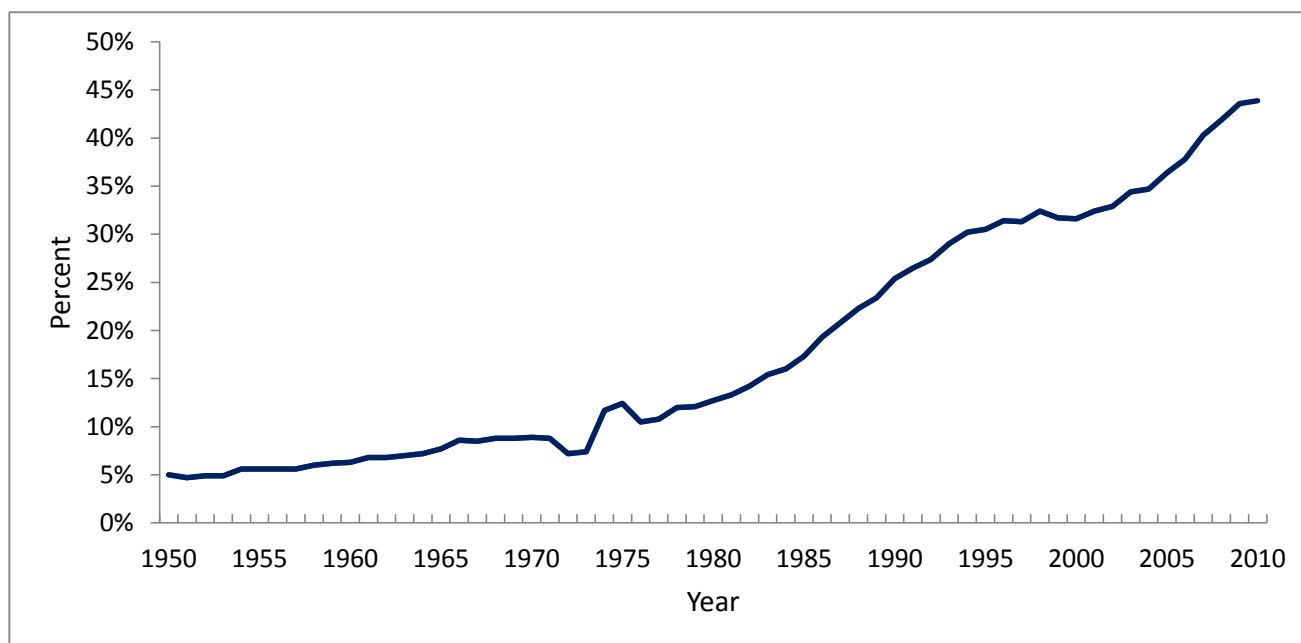


**Marital Status by Age of Mother**  
**West Virginia Resident Births, 2007-2011**  
**Table 8**

| Age of Mother | 2007     |            | 2008     |            | 2009     |            | 2010     |            | 2011     |            |
|---------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|
|               | Married* | Un-married | Married* | Un-married | Married* | Un-married | Married* | Un-married | Married* | Un-married |
| 10-14         | 0        | 31         | 0        | 26         | 1        | 21         | 0        | 21         | 0        | 27         |
| 15-17         | 74       | 655        | 79       | 700        | 77       | 733        | 59       | 631        | 44       | 621        |
| 18-19         | 452      | 1,525      | 465      | 1,511      | 457      | 1,561      | 382      | 1,523      | 357      | 1,413      |
| 20-24         | 3,123    | 3,612      | 2,931    | 3,636      | 2,834    | 3,730      | 2,631    | 3,637      | 2,676    | 3,659      |
| 25-29         | 4,679    | 1,854      | 4,429    | 1,934      | 4,121    | 1,941      | 3,982    | 1,836      | 4,034    | 1,934      |
| 30-34         | 3,207    | 785        | 2,999    | 811        | 3,034    | 840        | 2,986    | 845        | 3,123    | 915        |
| 35-39         | 1,325    | 299        | 1,323    | 286        | 1,252    | 313        | 1,173    | 358        | 1,149    | 336        |
| 40-44         | 278      | 91         | 252      | 82         | 214      | 84         | 263      | 101        | 245      | 112        |
| 45+           | 9        | 16         | 13       | 16         | 23       | 37         | 25       | 16         | 16       | 42         |
| Unknown       | 1        | 1          | 0        | 0          | 2        | 0          | 0        | 2          | 2        | 0          |
| WV Total      | 13,148   | 8,869      | 12,491   | 9,002      | 12,015   | 9,260      | 11,501   | 8,970      | 11,646   | 9,059      |

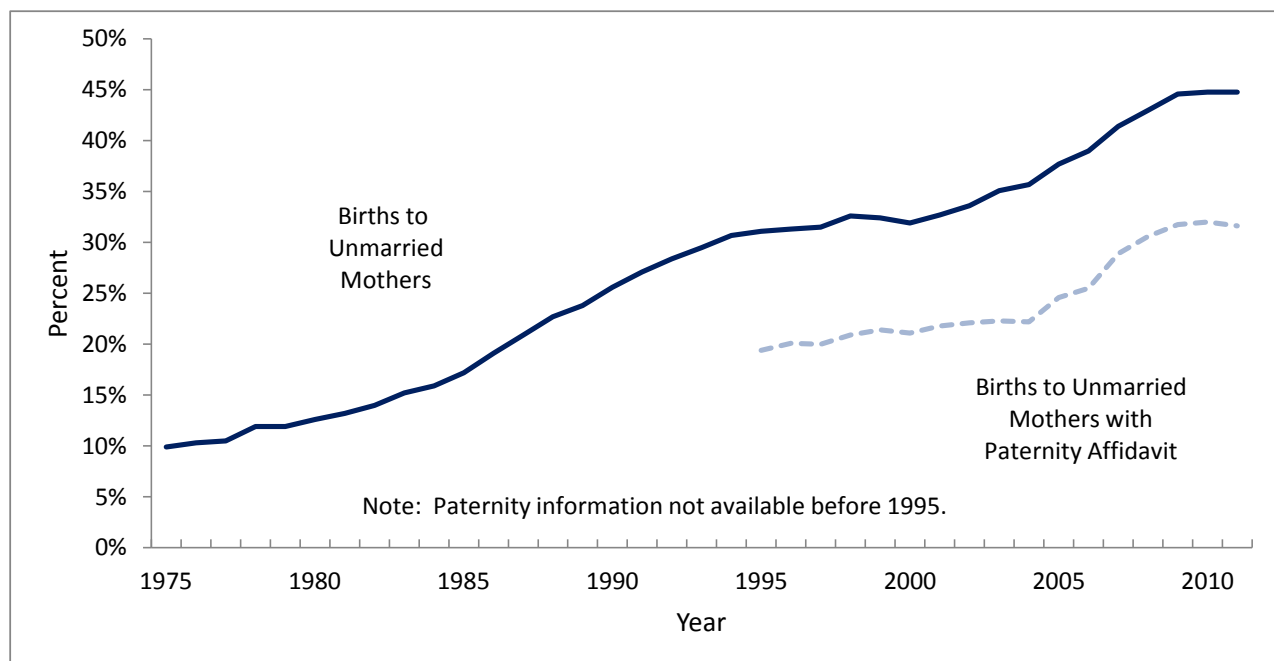


Percent of Births to Unmarried Mothers  
West Virginia Residents, 1950-2011  
Exhibit 8



| 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%                   |
| 2010 | 8,970                                | 43.9%                   |
| 2011 | 9,059                                | 43.8%                   |

Percent of Births to Unmarried Mothers and  
Unmarried Mothers with Paternity Affidavit  
West Virginia Occurrence Births, 1975-2011  
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%                   |
| 2010 | 9,289                                  | 44.8%                   | 6,638                                                                                      | 32.0%                   |
| 2011 | 9,383                                  | 44.8%                   | 6,624                                                                                      | 31.6%                   |

Selected Factors by Race of Mother  
West Virginia Resident Births, 2011  
Table 9

| Factor                                    | White<br>or<br>Caucasian |         | Black or<br>African<br>American |         | All<br>Other<br>Races |         | Unknown |         | Total  |         |
|-------------------------------------------|--------------------------|---------|---------------------------------|---------|-----------------------|---------|---------|---------|--------|---------|
|                                           | Number                   | Percent | Number                          | Percent | Number                | Percent | Number  | Percent | Number | Percent |
| Total Births                              | 19,644                   |         | 713                             |         | 331                   |         | 17      |         | 20,705 |         |
| <u>Low Birthweight (&lt; 2,500 Grams)</u> | 1,872                    | 9.5%    | 87                              | 12.2%   | 26                    | 7.9%    | 1       |         | 1,986  | 9.6%    |
| <u>Maternal Age</u>                       |                          |         |                                 |         |                       |         |         |         |        |         |
| Mothers < 20 Years                        | 2,312                    | 11.8%   | 117                             | 16.4%   | 32                    | 9.7%    | 1       |         | 2,462  | 11.9%   |
| Mothers < 15 Years                        | 22                       | 0.1%    | 4                               | 0.6%    | 1                     | 0.3%    | 0       |         | 27     | 0.1%    |
| <u>Entry Into Prenatal Care</u>           |                          |         |                                 |         |                       |         |         |         |        |         |
| First Trimester                           | 16,176                   | 84.1%   | 517                             | 73.5%   | 259                   | 79.2%   | 6       |         | 16,958 | 83.7%   |
| Second Trimester                          | 2,502                    | 13.0%   | 155                             | 22.0%   | 53                    | 16.2%   | 1       |         | 2,711  | 13.4%   |
| Third Trimester                           | 452                      | 2.4%    | 22                              | 3.1%    | 14                    | 4.3%    | 0       |         | 488    | 2.4%    |
| No Prenatal Care                          | 101                      | 0.5%    | 9                               | 1.3%    | 1                     | 0.3%    | 0       |         | 111    | 0.5%    |
| Unknown                                   | 413                      |         | 10                              |         | 4                     |         | 10      |         | 437    |         |
| <u>Gestational Age</u>                    |                          |         |                                 |         |                       |         |         |         |        |         |
| < 32 Weeks                                | 344                      | 1.8%    | 21                              | 3.0%    | 3                     | 0.9%    | 0       |         | 368    | 1.8%    |
| 32-36 Weeks                               | 1,864                    | 9.5%    | 68                              | 9.6%    | 25                    | 7.6%    | 3       |         | 1,960  | 9.5%    |
| 37-38 Weeks                               | 5,265                    | 26.8%   | 214                             | 30.1%   | 83                    | 25.1%   | 5       |         | 5,567  | 26.9%   |
| 39+ Weeks                                 | 12,159                   | 61.9%   | 407                             | 57.3%   | 220                   | 66.5%   | 4       |         | 12,790 | 61.8%   |
| Unknown                                   | 12                       |         | 3                               |         | 0                     |         | 5       |         | 20     |         |
| <u>Place of Birth</u>                     |                          |         |                                 |         |                       |         |         |         |        |         |
| Hospital*                                 | 19,303                   | 99.4%   | 700                             | 99.7%   | 319                   | 99.4%   | 14      |         | 20,336 | 99.4%   |
| Non-Hospital                              | 122                      | 0.6%    | 2                               | 0.3%    | 2                     | 0.6%    | 0       |         | 126    | 0.6%    |
| Unknown                                   | 219                      |         | 11                              |         | 10                    |         | 3       |         | 243    |         |

\*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, 2011  
Table 10

| Birth Characteristics                           | Time Prenatal Care Began |         |                  |         |                 |         |         |         | Total |        |
|-------------------------------------------------|--------------------------|---------|------------------|---------|-----------------|---------|---------|---------|-------|--------|
|                                                 | First Trimester          |         | Second Trimester |         | Third Trimester |         | No Care |         |       |        |
|                                                 | Number                   | Percent | Number           | Percent | Number          | Percent | Number  | Percent |       |        |
| Mother's Race: All Races                        | 16,958                   | 83.7%   | 2,711            | 13.4%   | 488             | 2.4%    | 111     | 0.5%    | 437   | 20,705 |
| <u>Mother's Marital Status</u>                  |                          |         |                  |         |                 |         |         |         |       |        |
| Married                                         | 10,127                   | 88.7%   | 1,077            | 9.4%    | 189             | 1.7%    | 29      | 0.3%    | 210   | 11,632 |
| Not Married                                     | 6,824                    | 77.2%   | 1,632            | 18.5%   | 298             | 3.4%    | 82      | 0.9%    | 223   | 9,059  |
| Unknown                                         | 7                        | 70.0%   | 2                | 20.0%   | 1               | 10.0%   | 0       | 0.0%    | 4     | 14     |
| <u>Mother's Educational Level</u>               |                          |         |                  |         |                 |         |         |         |       |        |
| 8 Years or Less                                 | 229                      | 69.8%   | 73               | 22.3%   | 22              | 6.7%    | 4       | 1.2%    | 17    | 345    |
| 9-11 Years (No High School Diploma)             | 2,285                    | 75.5%   | 603              | 19.9%   | 122             | 4.0%    | 15      | 0.5%    | 94    | 3,119  |
| 12 Years (High School or GED)                   | 5,743                    | 81.3%   | 1,110            | 15.7%   | 170             | 2.4%    | 39      | 0.6%    | 175   | 7,237  |
| 13-15 Years (Some College or Associates Degree) | 4,056                    | 86.2%   | 535              | 11.4%   | 92              | 2.0%    | 20      | 0.4%    | 76    | 4,779  |
| 16+ Years (Bachelor's Degree or Higher)         | 4,482                    | 92.3%   | 308              | 6.3%    | 56              | 1.2%    | 11      | 0.2%    | 57    | 4,914  |
| Unknown                                         | 163                      | 55.6%   | 82               | 28.0%   | 26              | 8.9%    | 22      | 7.5%    | 18    | 311    |
| Mother's Race: White or Caucasian               | 16,176                   | 84.1%   | 2,502            | 13.0%   | 452             | 2.4%    | 101     | 0.5%    | 413   | 19,644 |
| <u>Mother's Marital Status</u>                  |                          |         |                  |         |                 |         |         |         |       |        |
| Married                                         | 9,808                    | 88.9%   | 1,027            | 9.3%    | 175             | 1.6%    | 27      | 0.2%    | 203   | 11,240 |
| Not Married                                     | 6,363                    | 77.7%   | 1,473            | 18.0%   | 276             | 3.4%    | 74      | 0.9%    | 209   | 8,395  |
| Unknown                                         | 5                        | 62.5%   | 2                | 25.0%   | 1               | 12.5%   | 0       | 0.0%    | 1     | 9      |
| <u>Mother's Educational Level</u>               |                          |         |                  |         |                 |         |         |         |       |        |
| 8 Years or Less                                 | 217                      | 70.0%   | 67               | 21.6%   | 22              | 7.1%    | 4       | 1.3%    | 16    | 326    |
| 9-11 Years (No High School Diploma)             | 2,165                    | 75.8%   | 559              | 19.6%   | 118             | 4.1%    | 14      | 0.5%    | 92    | 2,948  |
| 12 Years (High School or GED)                   | 5,508                    | 81.9%   | 1,022            | 15.2%   | 161             | 2.4%    | 35      | 0.5%    | 167   | 6,893  |
| 13-15 Years (Some College or Associates Degree) | 3,883                    | 86.9%   | 490              | 11.0%   | 79              | 1.8%    | 18      | 0.4%    | 74    | 4,544  |
| 16+ Years (Bachelor's Degree or Higher)         | 4,249                    | 92.6%   | 286              | 6.2%    | 47              | 1.0%    | 8       | 0.2%    | 53    | 4,643  |
| Unknown                                         | 154                      | 55.2%   | 78               | 28.0%   | 25              | 9.0%    | 22      | 7.9%    | 11    | 290    |

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health  
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Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2011  
Table 10 (Cont'd)

| Birth Characteristics                           | Time Prenatal Care Began |         |                  |         |                 |         |         |         | Total |     |
|-------------------------------------------------|--------------------------|---------|------------------|---------|-----------------|---------|---------|---------|-------|-----|
|                                                 | First Trimester          |         | Second Trimester |         | Third Trimester |         | No Care |         |       |     |
|                                                 | Number                   | Percent | Number           | Percent | Number          | Percent | Number  | Percent |       |     |
| Mother's Race: Black or African American        | 517                      | 73.5%   | 155              | 22.0%   | 22              | 3.1%    | 9       | 1.3%    | 10    | 713 |
| <u>Mother's Marital Status</u>                  |                          |         |                  |         |                 |         |         |         |       |     |
| Married                                         | 135                      | 81.3%   | 23               | 13.9%   | 6               | 3.6%    | 2       | 1.2%    | 1     | 167 |
| Not Married                                     | 381                      | 71.1%   | 132              | 24.6%   | 16              | 3.0%    | 7       | 1.3%    | 9     | 545 |
| Unknown                                         | 1                        | 100.0%  | 0                | 0.0%    | 0               | 0.0%    | 0       | 0.0%    | 0     | 1   |
| <u>Mother's Educational Level</u>               |                          |         |                  |         |                 |         |         |         |       |     |
| 8 Years or Less                                 | 6                        | 54.5%   | 5                | 45.5%   | 0               | 0.0%    | 0       | 0.0%    | 0     | 11  |
| 9-11 Years (No High School Diploma)             | 94                       | 71.8%   | 34               | 26.0%   | 2               | 1.5%    | 1       | 0.8%    | 1     | 132 |
| 12 Years (High School or GED)                   | 182                      | 69.7%   | 70               | 26.8%   | 5               | 1.9%    | 4       | 1.5%    | 5     | 266 |
| 13-15 Years (Some College or Associates Degree) | 120                      | 72.7%   | 33               | 20.0%   | 10              | 6.1%    | 2       | 1.2%    | 1     | 166 |
| 16+ Years (Bachelor's Degree or Higher)         | 108                      | 87.1%   | 9                | 7.3%    | 5               | 4.0%    | 2       | 1.6%    | 3     | 127 |
| Unknown                                         | 7                        | 63.6%   | 4                | 36.4%   | 0               | 0.0%    | 0       | 0.0%    | 0     | 11  |
| Mother's Race: All Other Races                  | 259                      | 79.2%   | 53               | 16.2%   | 14              | 4.3%    | 1       | 0.3%    | 4     | 331 |
| <u>Mother's Marital Status</u>                  |                          |         |                  |         |                 |         |         |         |       |     |
| Married                                         | 180                      | 84.1%   | 26               | 12.1%   | 8               | 3.7%    | 0       | 0.0%    | 2     | 216 |
| Not Married                                     | 78                       | 69.6%   | 27               | 24.1%   | 6               | 5.4%    | 1       | 0.9%    | 2     | 114 |
| Unknown                                         | 1                        | 100.0%  | 0                | 0.0%    | 0               | 0.0%    | 0       | 0.0%    | 0     | 1   |
| <u>Mother's Educational Level</u>               |                          |         |                  |         |                 |         |         |         |       |     |
| 8 Years or Less                                 | 6                        | 85.7%   | 1                | 14.3%   | 0               | 0.0%    | 0       | 0.0%    | 1     | 8   |
| 9-11 Years (No High School Diploma)             | 26                       | 68.4%   | 10               | 26.3%   | 2               | 5.3%    | 0       | 0.0%    | 1     | 39  |
| 12 Years (High School or GED)                   | 50                       | 69.4%   | 18               | 25.0%   | 4               | 5.6%    | 0       | 0.0%    | 1     | 73  |
| 13-15 Years (Some College or Associates Degree) | 52                       | 77.6%   | 12               | 17.9%   | 3               | 4.5%    | 0       | 0.0%    | 0     | 67  |
| 16+ Years (Bachelor's Degree or Higher)         | 124                      | 87.9%   | 12               | 8.5%    | 4               | 2.8%    | 1       | 0.7%    | 1     | 142 |
| Unknown                                         | 1                        | 50.0%   | 0                | 0.0%    | 1               | 50.0%   | 0       | 0.0%    | 0     | 2   |

Percentages are calculated excluding unknown.

Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2011  
Table 11

| Hospital                                    | Method of Delivery |         |         |                                      |         |        |         |                             |         |                            | Un-<br>known |         |      |
|---------------------------------------------|--------------------|---------|---------|--------------------------------------|---------|--------|---------|-----------------------------|---------|----------------------------|--------------|---------|------|
|                                             | Total              | Vaginal |         | Vaginal<br>after<br>Cesarean Section |         | Total  |         | Primary<br>Cesarean Section |         | Repeat<br>Cesarean Section |              |         |      |
|                                             |                    | Number  | Percent | Number                               | Percent | Number | Percent | Number                      | Percent | Number                     |              | Percent |      |
| Bluefield Regional Medical Center           | 617                | 398     | 65.2%   | 6                                    | 1.0%    | 206    | 33.8%   | 103                         | 16.9%   | 103                        | 16.9%        | 7       | 1.1% |
| Braxton County Memorial Hospital            | 4                  | 3       | 75.0%   | 0                                    | 0.0%    | 1      | 25.0%   | 1                           | 25.0%   | 0                          | 0.0%         | 0       | 0.0% |
| C.A.M.C. - Women & Children's Hospital      | 2,961              | 1,678   | 56.7%   | 3                                    | 0.1%    | 1,280  | 43.2%   | 742                         | 25.1%   | 538                        | 18.2%        | 0       | 0.0% |
| Cabell-Huntington Hospital                  | 2,501              | 1,477   | 59.1%   | 12                                   | 0.5%    | 1,011  | 40.4%   | 567                         | 22.7%   | 444                        | 17.8%        | 1       | 0.0% |
| Camden-Clark Medical Center Memorial Campus | 1,397              | 832     | 59.6%   | 7                                    | 0.5%    | 558    | 39.9%   | 318                         | 22.8%   | 240                        | 17.2%        | 0       | 0.0% |
| City Hospital                               | 914                | 675     | 73.9%   | 0                                    | 0.0%    | 239    | 26.1%   | 113                         | 12.4%   | 126                        | 13.8%        | 0       | 0.0% |
| Davis Memorial Hospital                     | 332                | 215     | 65.0%   | 1                                    | 0.3%    | 115    | 34.7%   | 57                          | 17.2%   | 58                         | 17.5%        | 1       | 0.3% |
| Fairmont General Hospital                   | 443                | 316     | 71.3%   | 5                                    | 1.1%    | 122    | 27.5%   | 72                          | 16.3%   | 50                         | 11.3%        | 0       | 0.0% |
| Grant Memorial Hospital                     | 226                | 120     | 53.1%   | 0                                    | 0.0%    | 106    | 46.9%   | 59                          | 26.1%   | 47                         | 20.8%        | 0       | 0.0% |
| Greenbrier Valley Hospital                  | 584                | 452     | 77.5%   | 13                                   | 2.2%    | 118    | 20.2%   | 67                          | 11.5%   | 51                         | 8.7%         | 1       | 0.2% |
| Hampshire Memorial Hospital                 | 1                  | 1       | 100.0%  | 0                                    | 0.0%    | 0      | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%         | 0       | 0.0% |
| Jefferson Memorial Hospital                 | 293                | 208     | 71.0%   | 2                                    | 0.7%    | 83     | 28.3%   | 45                          | 15.4%   | 38                         | 13.0%        | 0       | 0.0% |
| Logan Regional Medical Center               | 317                | 144     | 46.6%   | 2                                    | 0.6%    | 163    | 52.8%   | 104                         | 33.7%   | 59                         | 19.1%        | 8       | 2.5% |
| Monongalia General Hospital                 | 1,002              | 660     | 66.3%   | 2                                    | 0.2%    | 334    | 33.5%   | 204                         | 20.5%   | 130                        | 13.1%        | 6       | 0.6% |
| Ohio Valley Medical Center                  | 266                | 175     | 66.3%   | 4                                    | 1.5%    | 85     | 32.2%   | 44                          | 16.7%   | 41                         | 15.5%        | 2       | 0.8% |
| Pleasant Valley Hospital                    | 210                | 109     | 51.9%   | 4                                    | 1.9%    | 97     | 46.2%   | 44                          | 21.0%   | 53                         | 25.2%        | 0       | 0.0% |
| Pocahontas Memorial Hospital                | 2                  | 2       | 100.0%  | 0                                    | 0.0%    | 0      | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%         | 0       | 0.0% |
| Preston Memorial Hospital                   | 32                 | 26      | 81.3%   | 0                                    | 0.0%    | 6      | 18.8%   | 4                           | 12.5%   | 2                          | 6.3%         | 0       | 0.0% |
| Princeton Community Hospital                | 635                | 377     | 61.0%   | 3                                    | 0.5%    | 238    | 38.5%   | 150                         | 24.3%   | 88                         | 14.2%        | 17      | 2.7% |
| Raleigh General Hospital                    | 1,449              | 1,013   | 69.9%   | 17                                   | 1.2%    | 419    | 28.9%   | 217                         | 15.0%   | 202                        | 13.9%        | 0       | 0.0% |
| Reynolds Memorial Hospital                  | 91                 | 50      | 54.9%   | 1                                    | 1.1%    | 40     | 44.0%   | 26                          | 28.6%   | 14                         | 15.4%        | 0       | 0.0% |
| Roane General Hospital                      | 2                  | 2       | 100.0%  | 0                                    | 0.0%    | 0      | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%         | 0       | 0.0% |
| St. Joseph's Hospital (Buckhannon)          | 288                | 226     | 80.1%   | 5                                    | 1.8%    | 51     | 18.1%   | 31                          | 11.0%   | 20                         | 7.1%         | 6       | 2.1% |
| St. Joseph's Hospital (Parkersburg)         | 192                | 131     | 68.6%   | 5                                    | 2.6%    | 55     | 28.8%   | 30                          | 15.7%   | 25                         | 13.1%        | 1       | 0.5% |
| St. Mary's Medical Center                   | 425                | 288     | 67.8%   | 4                                    | 0.9%    | 133    | 31.3%   | 77                          | 18.1%   | 56                         | 13.2%        | 0       | 0.0% |
| Stonewall Jackson Memorial Hospital         | 350                | 213     | 61.0%   | 3                                    | 0.9%    | 133    | 38.1%   | 76                          | 21.8%   | 57                         | 16.3%        | 1       | 0.3% |
| Summersville Memorial Hospital              | 319                | 198     | 62.1%   | 0                                    | 0.0%    | 121    | 37.9%   | 77                          | 24.1%   | 44                         | 13.8%        | 0       | 0.0% |
| Thomas Memorial Hospital                    | 1,000              | 455     | 45.5%   | 1                                    | 0.1%    | 544    | 54.4%   | 277                         | 27.7%   | 267                        | 26.7%        | 0       | 0.0% |
| United Hospital Center                      | 897                | 582     | 64.9%   | 15                                   | 1.7%    | 300    | 33.4%   | 157                         | 17.5%   | 143                        | 15.9%        | 0       | 0.0% |
| WVU Hospitals, Inc.                         | 1,367              | 795     | 58.8%   | 37                                   | 2.7%    | 521    | 38.5%   | 319                         | 23.6%   | 202                        | 14.9%        | 14      | 1.0% |
| Weirton Medical Center                      | 386                | 224     | 58.0%   | 0                                    | 0.0%    | 162    | 42.0%   | 91                          | 23.6%   | 71                         | 18.4%        | 0       | 0.0% |
| Welch Community Hospital                    | 44                 | 26      | 59.1%   | 0                                    | 0.0%    | 18     | 40.9%   | 9                           | 20.5%   | 9                          | 20.5%        | 0       | 0.0% |
| Wetzel County Hospital                      | 2                  | 2       | 100.0%  | 0                                    | 0.0%    | 0      | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%         | 0       | 0.0% |
| Wheeling Hospital                           | 1,141              | 631     | 55.3%   | 8                                    | 0.7%    | 502    | 44.0%   | 313                         | 27.4%   | 189                        | 16.6%        | 0       | 0.0% |
| Williamson Memorial Hospital                | 104                | 25      | 24.0%   | 0                                    | 0.0%    | 79     | 76.0%   | 17                          | 16.3%   | 62                         | 59.6%        | 0       | 0.0% |
| WomenCare, Inc.                             | 20                 | 20      | 100.0%  | 0                                    | 0.0%    | 0      | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%         | 0       | 0.0% |
| ----- Non-Hospital                          | 145                | 139     | 96.5%   | 5                                    | 3.5%    | 0      | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%         | 1       | 0.7% |
| West Virginia Total Occurrences             | 20,959             | 12,888  | 61.7%   | 165                                  | 0.8%    | 7,840  | 37.5%   | 4,411                       | 21.1%   | 3,429                      | 16.4%        | 66      | 0.3% |

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health  
Health Statistics Center, 2014

**Full-Term Births (39 or More Weeks Gestation) by Method of Delivery**  
**Number and Percent by Facility of Occurrence**  
**West Virginia, 2011**  
**Table 12**

| Hospital                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Method of Delivery                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                      |  | Un-<br>known |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Total                                                                                                                                                                                                                                                   | Vaginal                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                        | Vaginal<br>after<br>Cesarean Section                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                              | Total                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                               | Primary                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                              | Repeat                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                      |  |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                         | Number                                                                                                                                                                                                                                                | Percent                                                                                                                                                                                                                                                                                                                                                | Number                                                                                                                                                                                                                     | Percent                                                                                                                                                                                                                                                                                                                      | Number                                                                                                                                                                                                                                  | Percent                                                                                                                                                                                                                                                                                                                                       | Number                                                                                                                                                                                                                            | Percent                                                                                                                                                                                                                                                                                                                                      | Number                                                                                                                                                                                                                            | Percent                                                                                                                                                                                                                                                                                                                                              |  |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                      |  |              |
| Bluefield Regional Medical Center<br>Braxton County Memorial Hospital<br>C.A.M.C. - Women & Children's Hospital<br>Cabell-Huntington Hospital<br>Camden-Clark Medical Center Memorial Campus<br>City Hospital<br>Davis Memorial Hospital<br>Fairmont General Hospital<br>Grant Memorial Hospital<br>Greenbrier Valley Hospital<br>Hampshire Memorial Hospital<br>Jefferson Memorial Hospital<br>Logan Regional Medical Center<br>Monongalia General Hospital<br>Ohio Valley Medical Center<br>Pleasant Valley Hospital<br>Pocahontas Memorial Hospital<br>Preston Memorial Hospital<br>Princeton Community Hospital<br>Raleigh General Hospital<br>Reynolds Memorial Hospital<br>Roane General Hospital<br>St. Joseph's Hospital (Buckhannon)<br>St. Joseph's Hospital (Parkersburg)<br>St. Mary's Medical Center<br>Stonewall Jackson Memorial Hospital<br>Summersville Memorial Hospital<br>Thomas Memorial Hospital<br>United Hospital Center<br>WVU Hospitals, Inc.<br>Weirton Medical Center<br>Welch Community Hospital<br>Wetzel County Hospital<br>Wheeling Hospital<br>Williamson Memorial Hospital<br>WomenCare, Inc.<br>----- Non-Hospital<br>West Virginia Total Occurrences | 266<br>1<br>1,582<br>1,347<br>711<br>631<br>249<br>164<br>441<br>1<br>209<br>189<br>765<br>152<br>115<br>1<br>21<br>349<br>995<br>28<br>1<br>227<br>131<br>251<br>228<br>200<br>560<br>710<br>676<br>255<br>30<br>1<br>821<br>69<br>15<br>110<br>12,823 | 183<br>0<br>986<br>858<br>423<br>480<br>160<br>242<br>86<br>339<br>1<br>157<br>91<br>504<br>101<br>78<br>1<br>18<br>215<br>721<br>17<br>1<br>184<br>89<br>176<br>146<br>128<br>277<br>463<br>429<br>142<br>19<br>1<br>456<br>19<br>15<br>105<br>8,311 | 69.6%<br>0.0%<br>62.3%<br>63.7%<br>59.5%<br>76.1%<br>64.5%<br>75.4%<br>52.4%<br>77.0%<br>100.0%<br>75.1%<br>49.7%<br>66.2%<br>66.9%<br>67.8%<br>100.0%<br>85.7%<br>63.8%<br>72.5%<br>60.7%<br>100.0%<br>82.9%<br>68.5%<br>70.1%<br>64.0%<br>64.0%<br>49.5%<br>65.2%<br>64.2%<br>55.7%<br>63.3%<br>100.0%<br>55.5%<br>27.5%<br>100.0%<br>95.5%<br>65.0% | 5<br>0<br>3<br>5<br>5<br>0<br>0<br>4<br>0<br>8<br>0<br>1<br>1<br>2<br>2<br>3<br>2<br>0<br>0<br>0<br>3<br>1<br>0<br>3<br>3<br>0<br>1<br>13<br>28<br>0<br>0<br>1<br>1<br>277<br>463<br>28<br>0<br>0<br>1<br>0<br>3<br>0<br>5 | 1.9%<br>0.0%<br>0.2%<br>0.4%<br>0.7%<br>0.0%<br>0.0%<br>1.2%<br>0.0%<br>1.8%<br>0.0%<br>0.5%<br>1.1%<br>0.3%<br>2.0%<br>1.7%<br>0.0%<br>0.0%<br>0.6%<br>0.9%<br>3.6%<br>0.0%<br>1.4%<br>2.3%<br>0.0%<br>1.3%<br>0.0%<br>0.2%<br>1.8%<br>4.2%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.4%<br>0.0%<br>0.0%<br>4.5%<br>0.9% | 75<br>1<br>593<br>483<br>283<br>151<br>88<br>75<br>78<br>93<br>0<br>51<br>90<br>255<br>47<br>35<br>0<br>3<br>120<br>265<br>10<br>0<br>35<br>38<br>75<br>6<br>0<br>20<br>125<br>110<br>107<br>62<br>7<br>0<br>362<br>50<br>0<br>0<br>111 | 28.5%<br>100.0%<br>37.5%<br>35.9%<br>39.8%<br>23.9%<br>35.5%<br>23.4%<br>47.6%<br>21.1%<br>0.0%<br>24.4%<br>49.2%<br>33.5%<br>31.1%<br>30.4%<br>0.0%<br>14.3%<br>35.6%<br>26.6%<br>35.7%<br>0.0%<br>15.8%<br>29.2%<br>29.9%<br>34.6%<br>36.0%<br>50.4%<br>33.0%<br>31.6%<br>44.3%<br>36.7%<br>0.0%<br>44.1%<br>72.5%<br>0.0%<br>0.0%<br>34.1% | 35<br>1<br>334<br>257<br>163<br>72<br>42<br>44<br>40<br>49<br>0<br>29<br>65<br>160<br>24<br>24<br>0<br>3<br>75<br>120<br>6<br>0<br>20<br>46<br>38<br>46<br>125<br>110<br>107<br>62<br>7<br>0<br>224<br>11<br>0<br>0<br>0<br>2,359 | 13.3%<br>100.0%<br>21.1%<br>19.1%<br>22.9%<br>11.4%<br>16.9%<br>13.7%<br>24.4%<br>11.1%<br>0.0%<br>13.9%<br>35.5%<br>21.0%<br>15.9%<br>20.9%<br>0.0%<br>14.3%<br>22.3%<br>12.1%<br>21.4%<br>0.0%<br>9.0%<br>15.4%<br>18.3%<br>16.7%<br>23.0%<br>22.3%<br>15.5%<br>16.0%<br>24.3%<br>23.3%<br>0.0%<br>27.3%<br>15.9%<br>0.0%<br>0.0%<br>18.5% | 40<br>0<br>259<br>226<br>120<br>79<br>46<br>31<br>38<br>44<br>0<br>22<br>25<br>95<br>23<br>11<br>0<br>0<br>45<br>145<br>4<br>0<br>15<br>18<br>29<br>41<br>26<br>157<br>124<br>104<br>51<br>4<br>0<br>138<br>39<br>0<br>0<br>1,999 | 15.2%<br>0.0%<br>16.4%<br>16.8%<br>16.9%<br>12.5%<br>18.5%<br>9.7%<br>23.2%<br>10.0%<br>0.0%<br>10.5%<br>13.7%<br>12.5%<br>15.2%<br>9.6%<br>0.0%<br>0.0%<br>13.4%<br>14.6%<br>0<br>14.3%<br>0.0%<br>6.8%<br>13.8%<br>11.6%<br>18.0%<br>13.0%<br>28.0%<br>17.5%<br>15.6%<br>20.0%<br>13.3%<br>0.0%<br>16.8%<br>56.5%<br>0.0%<br>0.0%<br>0.0%<br>15.6% |  |              |

Percentages are calculated excluding unknown.

**Labor-Induced Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2011  
Table 13**

| Hospital                                    | Method of Delivery |         |         |                                      |         |                           |         |                             |         |                            |         | Un-<br>known |
|---------------------------------------------|--------------------|---------|---------|--------------------------------------|---------|---------------------------|---------|-----------------------------|---------|----------------------------|---------|--------------|
|                                             | Total              | Vaginal |         | Vaginal<br>after<br>Cesarean Section |         | Total<br>Cesarean Section |         | Primary<br>Cesarean Section |         | Repeat<br>Cesarean Section |         |              |
|                                             |                    | Number  | Percent | Number                               | Percent | Number                    | Percent | Number                      | Percent | Number                     | Percent |              |
| Bluefield Regional Medical Center           | 91                 | 71      | 78.0%   | 0                                    | 0.0%    | 20                        | 22.0%   | 16                          | 17.6%   | 4                          | 4.4%    | 0            |
| Braxton County Memorial Hospital            | 0                  | 0       | 0.0%    | 0                                    | 0.0%    | 0                         | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%    | 0            |
| C.A.M.C. - Women & Children's Hospital      | 1,016              | 763     | 75.1%   | 0                                    | 0.0%    | 253                       | 24.9%   | 252                         | 24.8%   | 1                          | 0.1%    | 0            |
| Cabell-Huntington Hospital                  | 322                | 227     | 70.5%   | 2                                    | 0.6%    | 93                        | 28.9%   | 70                          | 21.7%   | 23                         | 7.1%    | 0            |
| Camden-Clark Medical Center Memorial Campus | 588                | 429     | 73.0%   | 3                                    | 0.5%    | 156                       | 26.5%   | 132                         | 22.4%   | 24                         | 4.1%    | 0            |
| City Hospital                               | 26                 | 23      | 88.5%   | 0                                    | 0.0%    | 3                         | 11.5%   | 3                           | 11.5%   | 0                          | 0.0%    | 0            |
| Davis Memorial Hospital                     | 44                 | 29      | 67.4%   | 0                                    | 0.0%    | 14                        | 32.6%   | 14                          | 32.6%   | 0                          | 0.0%    | 1            |
| Fairmont General Hospital                   | 184                | 161     | 87.5%   | 2                                    | 1.1%    | 21                        | 11.4%   | 21                          | 11.4%   | 0                          | 0.0%    | 0            |
| Grant Memorial Hospital                     | 83                 | 59      | 71.1%   | 0                                    | 0.0%    | 24                        | 28.9%   | 24                          | 28.9%   | 0                          | 0.0%    | 0            |
| Greenbrier Valley Hospital                  | 99                 | 87      | 88.8%   | 1                                    | 1.0%    | 10                        | 10.2%   | 10                          | 10.2%   | 0                          | 0.0%    | 1            |
| Hampshire Memorial Hospital                 | 0                  | 0       | 0.0%    | 0                                    | 0.0%    | 0                         | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%    | 0            |
| Jefferson Memorial Hospital                 | 65                 | 55      | 84.6%   | 0                                    | 0.0%    | 10                        | 15.4%   | 10                          | 15.4%   | 0                          | 0.0%    | 0            |
| Logan Regional Medical Center               | 66                 | 36      | 56.3%   | 0                                    | 0.0%    | 28                        | 43.8%   | 27                          | 42.2%   | 1                          | 1.6%    | 2            |
| Monongalia General Hospital                 | 67                 | 43      | 67.2%   | 0                                    | 0.0%    | 21                        | 32.8%   | 21                          | 32.8%   | 0                          | 0.0%    | 3            |
| Ohio Valley Medical Center                  | 101                | 83      | 83.8%   | 1                                    | 1.0%    | 15                        | 15.2%   | 13                          | 13.1%   | 2                          | 2.0%    | 2            |
| Pleasant Valley Hospital                    | 27                 | 20      | 74.1%   | 0                                    | 0.0%    | 7                         | 25.9%   | 6                           | 22.2%   | 1                          | 3.7%    | 0            |
| Pocahontas Memorial Hospital                | 0                  | 0       | 0.0%    | 0                                    | 0.0%    | 0                         | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%    | 0            |
| Preston Memorial Hospital                   | 11                 | 10      | 90.9%   | 0                                    | 0.0%    | 1                         | 9.1%    | 1                           | 9.1%    | 0                          | 0.0%    | 0            |
| Princeton Community Hospital                | 239                | 179     | 78.5%   | 0                                    | 0.0%    | 49                        | 21.5%   | 48                          | 21.1%   | 1                          | 0.4%    | 11           |
| Raleigh General Hospital                    | 347                | 297     | 85.6%   | 3                                    | 0.9%    | 47                        | 13.5%   | 45                          | 13.0%   | 2                          | 0.6%    | 0            |
| Reynolds Memorial Hospital                  | 32                 | 19      | 59.4%   | 0                                    | 0.0%    | 13                        | 40.6%   | 13                          | 40.6%   | 0                          | 0.0%    | 0            |
| Roane General Hospital                      | 0                  | 0       | 0.0%    | 0                                    | 0.0%    | 0                         | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%    | 0            |
| St. Joseph's Hospital (Buckhannon)          | 34                 | 30      | 88.2%   | 0                                    | 0.0%    | 4                         | 11.8%   | 3                           | 8.8%    | 1                          | 2.9%    | 0            |
| St. Joseph's Hospital (Parkersburg)         | 82                 | 61      | 74.4%   | 2                                    | 2.4%    | 19                        | 23.2%   | 18                          | 22.0%   | 1                          | 1.2%    | 0            |
| St. Mary's Medical Center                   | 156                | 127     | 81.4%   | 0                                    | 0.0%    | 29                        | 18.6%   | 29                          | 18.6%   | 0                          | 0.0%    | 0            |
| Stonewall Jackson Memorial Hospital         | 67                 | 52      | 78.8%   | 0                                    | 0.0%    | 14                        | 21.2%   | 14                          | 21.2%   | 0                          | 0.0%    | 1            |
| Summersville Memorial Hospital              | 76                 | 56      | 73.7%   | 0                                    | 0.0%    | 20                        | 26.3%   | 19                          | 25.0%   | 1                          | 1.3%    | 0            |
| Thomas Memorial Hospital                    | 221                | 153     | 69.2%   | 0                                    | 0.0%    | 68                        | 30.8%   | 62                          | 28.1%   | 6                          | 2.7%    | 0            |
| United Hospital Center                      | 381                | 289     | 75.9%   | 5                                    | 1.3%    | 87                        | 22.8%   | 79                          | 20.7%   | 8                          | 2.1%    | 0            |
| WVU Hospitals, Inc.                         | 240                | 172     | 72.3%   | 3                                    | 1.3%    | 63                        | 26.5%   | 49                          | 20.6%   | 14                         | 5.9%    | 2            |
| Weirton Medical Center                      | 171                | 130     | 76.0%   | 0                                    | 0.0%    | 41                        | 24.0%   | 41                          | 24.0%   | 0                          | 0.0%    | 0            |
| Welch Community Hospital                    | 0                  | 0       | 0.0%    | 0                                    | 0.0%    | 0                         | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%    | 0            |
| Wetzel County Hospital                      | 0                  | 0       | 0.0%    | 0                                    | 0.0%    | 0                         | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%    | 0            |
| Wheeling Hospital                           | 34                 | 27      | 79.4%   | 1                                    | 2.9%    | 6                         | 17.6%   | 6                           | 17.6%   | 0                          | 0.0%    | 0            |
| Williamson Memorial Hospital                | 0                  | 0       | 0.0%    | 0                                    | 0.0%    | 0                         | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%    | 0            |
| WomenCare, Inc.                             | 0                  | 0       | 0.0%    | 0                                    | 0.0%    | 0                         | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%    | 0            |
| ----- Non-Hospital                          | 0                  | 0       | 0.0%    | 0                                    | 0.0%    | 0                         | 0.0%    | 0                           | 0.0%    | 0                          | 0.0%    | 0            |
| West Virginia Total Occurrences             | 4,870              | 3,688   | 76.1%   | 23                                   | 0.5%    | 1,136                     | 23.4%   | 1,046                       | 21.6%   | 90                         | 1.9%    | 23           |

Percentages are calculated excluding unknown.

Mother's Marital Status and Method of Paternity Establishment  
 Unmarried Mothers by Hospital of Birth  
 West Virginia Occurrences, 2011  
 Table 14

| Hospital                                    | Total Births | Mother's Marital Status |            |                    | Mother Unmarried with Paternity Established |                             |                                     | Mother Unmarried with Father Unknown |
|---------------------------------------------|--------------|-------------------------|------------|--------------------|---------------------------------------------|-----------------------------|-------------------------------------|--------------------------------------|
|                                             |              | Married (or Un-known)   | Un-married | Percent Un-married | Paternity Affidavit Accepted                | Percent of Unmarried Births | Father Established by Other Methods |                                      |
| Bluefield Regional Medical Center           | 617          | 284                     | 333        | 54.0%              | 196                                         | 58.9%                       | 51                                  | 86                                   |
| Braxton County Memorial Hospital            | 4            | 1                       | 3          | 75.0%              | 0                                           | 0.0%                        | 2                                   | 1                                    |
| C.A.M.C. - Women & Children's Hospital      | 2,961        | 1,723                   | 1,238      | 41.8%              | 871                                         | 70.4%                       | 173                                 | 194                                  |
| Cabell-Huntington Hospital                  | 2,501        | 1,365                   | 1,136      | 45.4%              | 760                                         | 66.9%                       | 112                                 | 264                                  |
| Camden-Clark Medical Center Memorial Campus | 1,397        | 739                     | 658        | 47.1%              | 467                                         | 71.0%                       | 79                                  | 112                                  |
| City Hospital                               | 914          | 400                     | 514        | 56.2%              | 380                                         | 73.9%                       | 38                                  | 96                                   |
| Davis Memorial Hospital                     | 332          | 167                     | 165        | 49.7%              | 130                                         | 78.8%                       | 11                                  | 24                                   |
| Fairmont General Hospital                   | 443          | 214                     | 229        | 51.7%              | 171                                         | 74.7%                       | 18                                  | 40                                   |
| Grant Memorial Hospital                     | 226          | 111                     | 115        | 50.9%              | 84                                          | 73.0%                       | 5                                   | 26                                   |
| Greenbrier Valley Hospital                  | 584          | 294                     | 290        | 49.7%              | 203                                         | 70.0%                       | 32                                  | 55                                   |
| Hampshire Memorial Hospital                 | 1            | 0                       | 1          | 100.0%             | 0                                           | 0.0%                        | 0                                   | 1                                    |
| Jefferson Memorial Hospital                 | 293          | 120                     | 173        | 59.0%              | 132                                         | 76.3%                       | 18                                  | 23                                   |
| Logan Regional Medical Center               | 317          | 148                     | 169        | 53.3%              | 96                                          | 56.8%                       | 33                                  | 40                                   |
| Monongalia General Hospital                 | 1,002        | 692                     | 310        | 30.9%              | 227                                         | 73.2%                       | 25                                  | 58                                   |
| Ohio Valley Medical Center                  | 266          | 144                     | 122        | 45.9%              | 82                                          | 67.2%                       | 8                                   | 32                                   |
| Pleasant Valley Hospital                    | 210          | 97                      | 113        | 53.8%              | 87                                          | 77.0%                       | 9                                   | 17                                   |
| Preston Memorial Hospital                   | 32           | 15                      | 17         | 53.1%              | 13                                          | 76.5%                       | 1                                   | 3                                    |
| Pocahontas Memorial Hospital                | 2            | 1                       | 1          | 50.0%              | 1                                           | 100.0%                      | 0                                   | 0                                    |
| Princeton Community Hospital                | 635          | 407                     | 228        | 35.9%              | 152                                         | 66.7%                       | 27                                  | 49                                   |
| Raleigh General Hospital                    | 1,449        | 764                     | 685        | 47.3%              | 463                                         | 67.6%                       | 79                                  | 143                                  |
| Reynolds Memorial Hospital                  | 91           | 34                      | 57         | 62.6%              | 36                                          | 63.2%                       | 12                                  | 9                                    |
| Roane General Hospital                      | 2            | 1                       | 1          | 50.0%              | 1                                           | 100.0%                      | 0                                   | 0                                    |
| St. Joseph's Hospital (Buckhannon)          | 288          | 175                     | 113        | 39.2%              | 71                                          | 62.8%                       | 13                                  | 29                                   |
| St. Joseph's Hospital (Parkersburg)         | 192          | 130                     | 62         | 32.3%              | 46                                          | 74.2%                       | 6                                   | 10                                   |
| St. Mary's Medical Center                   | 425          | 306                     | 119        | 28.0%              | 85                                          | 71.4%                       | 9                                   | 25                                   |
| Stonewall Jackson Memorial Hospital         | 350          | 152                     | 198        | 56.6%              | 146                                         | 73.7%                       | 19                                  | 33                                   |
| Summersville Memorial Hospital              | 319          | 148                     | 171        | 53.6%              | 113                                         | 66.1%                       | 23                                  | 35                                   |
| Thomas Memorial Hospital                    | 1,000        | 573                     | 427        | 42.7%              | 344                                         | 80.6%                       | 37                                  | 46                                   |
| United Hospital Center                      | 897          | 477                     | 420        | 46.8%              | 332                                         | 79.0%                       | 33                                  | 55                                   |
| WVU Hospitals, Inc.                         | 1,367        | 903                     | 464        | 33.9%              | 323                                         | 69.6%                       | 49                                  | 92                                   |
| Weirton Medical Center                      | 386          | 178                     | 208        | 53.9%              | 154                                         | 74.0%                       | 15                                  | 39                                   |
| Welch Community Hospital                    | 44           | 19                      | 25         | 56.8%              | 12                                          | 48.0%                       | 8                                   | 5                                    |
| Wetzel County Hospital                      | 2            | 1                       | 1          | 50.0%              | 1                                           | 0.0%                        | 0                                   | 0                                    |
| Wheeling Hospital                           | 1,141        | 616                     | 525        | 46.0%              | 394                                         | 75.0%                       | 37                                  | 94                                   |
| Williamson Memorial Hospital                | 104          | 58                      | 46         | 44.2%              | 20                                          | 43.5%                       | 13                                  | 13                                   |
| WomenCare, Inc.                             | 20           | 12                      | 8          | 40.0%              | 7                                           | 87.5%                       | 0                                   | 1                                    |
| ----- Non-Hospital                          | 145          | 107                     | 38         | 26.2%              | 24                                          | 63.2%                       | 10                                  | 4                                    |
| WV Total Occurrences                        | 20,959       | 11,576                  | 9,383      | 44.8%              | 6,624                                       | 70.6%                       | 1,005                               | 1,754                                |

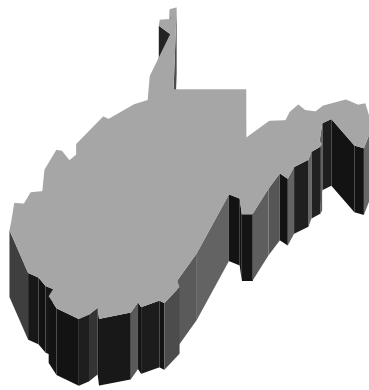
West Virginia Bureau for Public Health  
 Health Statistics Center, 2014

Out-of-State Occurrences  
West Virginia Resident Births, 2007-2011  
Table 15

| State                | 2007<br>Births | 2008<br>Births | 2009<br>Births | 2010<br>Births | 2011<br>Births |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Virginia             | 1,182          | 1,135          | 1,044          | 1,004          | 1,052          |
| Maryland             | 678            | 659            | 680            | 637            | 623            |
| Ohio                 | 403            | 387            | 343            | 297            | 285            |
| Kentucky             | 160            | 199            | 217            | 195            | 183            |
| Pennsylvania         | 106            | 119            | 114            | 101            | 112            |
| Tennessee            | 2              | 5              | 5              | 5              | 3              |
| Florida              | 2              | 2              | 4              | 6              | 4              |
| District of Columbia | 2              | 6              | 4              | 0              | 5              |
| North Carolina       | 4              | 2              | 1              | 3              | 3              |
| Utah                 | 0              | 3              | 5              | 0              | 3              |
| New Jersey           | 2              | 5              | 0              | 1              | 0              |
| Arizona              | 0              | 5              | 0              | 1              | 1              |
| California           | 3              | 0              | 2              | 1              | 1              |
| All Other States     | 31             | 12             | 19             | 24             | 12             |
| Total                | 2,575          | 2,539          | 2,438          | 2,275          | 2,287          |

Out-of-State Resident Births Born in West Virginia  
West Virginia Occurrence Births, 2007-2011  
Table 16

| State            | 2007<br>Births | 2008<br>Births | 2009<br>Births | 2010<br>Births | 2011<br>Births |
|------------------|----------------|----------------|----------------|----------------|----------------|
| Ohio             | 1,606          | 1,600          | 1,547          | 1,570          | 1,623          |
| Virginia         | 277            | 317            | 325            | 331            | 289            |
| Kentucky         | 266            | 225            | 222            | 270            | 251            |
| Pennsylvania     | 234            | 249            | 260            | 283            | 277            |
| Maryland         | 62             | 58             | 68             | 75             | 69             |
| North Carolina   | 7              | 8              | 6              | 4              | 9              |
| Florida          | 5              | 4              | 2              | 3              | 0              |
| New York         | 1              | 4              | 4              | 4              | 1              |
| Indiana          | 2              | 1              | 3              | 2              | 3              |
| Michigan         | 1              | 1              | 2              | 4              | 1              |
| Tennessee        | 3              | 1              | 2              | 1              | 2              |
| Texas            | 1              | 3              | 1              | 3              | 1              |
| All Other States | 10             | 18             | 20             | 14             | 15             |
| Total            | 2,475          | 2,489          | 2,462          | 2,564          | 2,541          |



West Virginia Vital Statistics

**Deaths**



## Death Summary

The number of West Virginia resident deaths increased by 592, from 21,278 in 2010 to 21,870 in 2011. The state's crude death rate rose from 2010 at 11.5 per 1,000 population to 11.8 in 2011. The average age at death for West Virginians was 72.1 (68.8 for men and 75.5 for women), almost the same as the 2010 average of 72.2 (68.8 for men and 75.7 for women). One hundred and thirty-seven West Virginia residents who died in 2011 were age 100 or older. The oldest man and oldest woman were each 110 years old at the time of death.

Heart disease, cancer and chronic lower respiratory diseases, the three leading causes of death, accounted for 51.5% of West Virginia resident deaths in 2011. Compared with 2010, the number of state deaths due to heart disease increased by 22 or 0.4% while cancer deaths increased 2.6%. Chronic lower respiratory disease, the third leading cause, increased 5.3%; stroke mortality, now the fifth leading cause, decreased 5.8%. Diabetes mellitus deaths increased by fourteen (14) or 1.8%, while the number of reported deaths due to influenza/pneumonia increased by 39 or 9.4%. Dementia, now the sixth leading cause of death in the Mountain State, increased by 123 (13.9%), while Alzheimer's disease increased 2.5%. Accidental deaths were the fourth leading cause of death for the fifth year in a row. The number of accidental deaths rose by 180 (14.2%), from 1,265 in 2010 to 1,445 in 2011. Motor vehicle accident deaths increased by 64 or 20.4%, from 313 in 2010 to 377 in 2011. Accidental poisoning deaths are on the rise again in West Virginia as it increased by 111 (22.6%) from 492 in 2010 to 603 in 2011. Accidental poisoning accounted for over one-third (35.6%) 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 and accidental poisoning fatalities are the two leading cause of death for young adults aged 15 through 24, accounting for 48.9% of all deaths for this age group in 2011. West Virginia's 2011 motor vehicle fatalities included two children under five years of age, four less than 2010.

Suicides increased by fifteen (15), from 294 to 309 between 2010 and 2011. Male suicides decreased by two (2) or 0.8%, from 252 in 2010 to 250 in 2011; the number of female suicides (59) increased by 17 or 40.5% from 2010. Nearly two-thirds (64.7%) of all suicide deaths were firearm related — 68.8% of male suicides and 47.5% of female suicides. The average age of death for a suicide victim in 2011 was 46.9 years. While suicide was the 12th leading cause of death overall, it was the second leading cause of death for ages 15-34. The number of suicides among persons aged 19 and under was thirteen (13) in 2011, two more than 2010 at eleven (11).

Homicides increased by sixteen (16), from 91 in 2010 to 107 in 2011. Seventy-five (75) of the homicide victims were male, 32 were female. The average age at death for a homicide victim in 2011 was 36.3 years. There were eight homicide victims under the age of five in 2011, compared with 14 in 2010. Over sixty percent (62.9%) of 2011 homicide deaths were due to firearms.

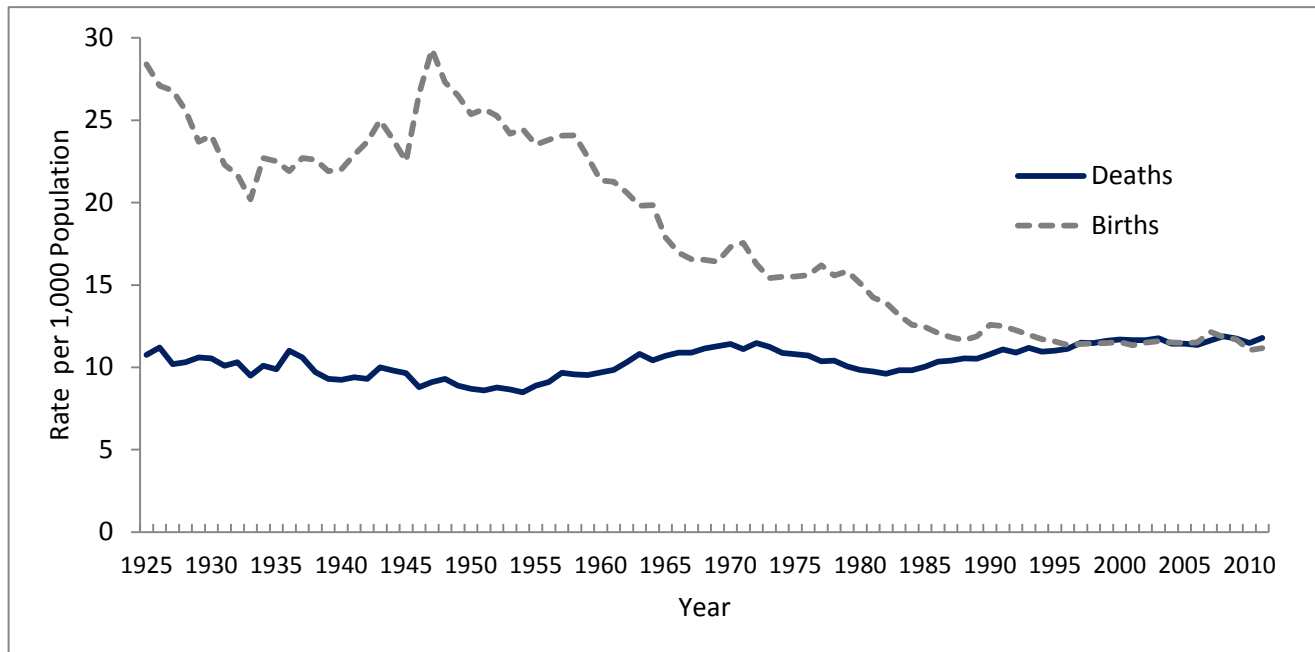
The statistics presented in this publication refer to resident data unless otherwise indicated. A resident death is determined by where the decedent last lived at the time of death. An occurrence death is determined by where the decedent died. If a person lived in West Virginia but died in Virginia, 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 Virginia 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 43 would therefore contribute 32 years to the total YPLL ( $75-43=32$ ). YPLL is an important tool in emphasizing and evaluating causes of premature death.

The YPLL from all causes increased 4.6%, from 170,981 YPLL in 2010 to 178,842 in 2011. The four leading causes of YPLL in 2011 were malignant neoplasms (36,719 YPLL), diseases of the heart (26,321 YPLL), non-motor vehicle accidents (25,860 YPLL) and motor vehicle accidents (11,042 YPLL). Combined, these four causes accounted for over half (55.9%) of all years of potential life lost in 2011. In comparison to 2010, YPLL attributable to malignant neoplasms decreased from 21.0% to 20.5% of the total YPLL. YPLL due to diseases of the heart increased from 14.2% to 14.7%, YPLL due to non-motor vehicle accidents increased from 13.5% to 14.5% and the percentage of total YPLL due to motor vehicle crashes increased from 5.6% to 6.2%.

Number and Rate of Resident Deaths (Compared to Births)  
West Virginia, 1925-2011  
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                      |
| 2010 | 21,278           | 11.5                      | 20,471                | 11.0                      |
| 2011 | 21,870           | 11.8                      | 20,705                | 11.2                      |

Summary Totals  
West Virginia Resident Deaths, 2011  
Table 17

| Characteristic                    | Number           | Percent        | Characteristic                              | Number | Percent |
|-----------------------------------|------------------|----------------|---------------------------------------------|--------|---------|
| <u>Total</u>                      |                  |                | <u>Place Death Occurred</u>                 |        |         |
| Residence Occurrence              | 21,870<br>21,402 | 100.0%         | WV Hospital Home                            | 7,724  | 35.3%   |
| <u>Gender</u>                     |                  |                | Licensed Nursing Home                       | 5,949  | 27.2%   |
| Male                              |                  |                | Hospice Care                                | 3,215  | 14.7%   |
| Female                            | 11,056<br>10,814 | 50.6%<br>49.4% | Named Place or Street Address               | 1,672  | 7.6%    |
| <u>Disposition of Death</u>       |                  |                | Out-of-State Hospital                       | 1,406  | 6.4%    |
| Burial                            | 14,492           | 68.4%          | Unlicensed Personal Care                    | 1,313  | 6.0%    |
| Cremation                         | 5,252            | 24.8%          | En Route to Hospital                        | 306    | 1.4%    |
| Removal from State                | 429              | 2.0%           | Clinic or Center                            | 257    | 1.2%    |
| Donation                          | 371              | 1.8%           | Other and Unknown                           | 21     | 0.1%    |
| Other                             | 654              | 3.1%           |                                             | 7      | 0.0%    |
| Unknown                           | 672              |                | <u>Race</u>                                 |        |         |
| <u>Age at Death</u>               |                  |                | White or Caucasian                          | 21,184 | 96.9%   |
| Less than One Year of Age         | 141              | 0.6%           | Black or African American                   | 653    | 3.0%    |
| One to Four Years                 | 20               | 0.1%           | All Other Races                             | 33     | 0.2%    |
| Five to Fourteen Years            | 36               | 0.2%           | <u>Leading Causes of Death</u>              |        |         |
| Fifteen to Nineteen Years         | 70               | 0.3%           | Diseases of the Heart                       | 4,921  | 22.5%   |
| Twenty to Twenty-Four Years       | 151              | 0.7%           | Malignant Neoplasms                         | 4,779  | 21.9%   |
| Twenty-Five to Thirty-Four Years  | 430              | 2.0%           | Chronic Lower Respiratory Disease           | 1,572  | 7.2%    |
| Thirty-Five to Forty-Four Years   | 746              | 3.4%           | Accidents, All Forms                        | 1,445  | 6.6%    |
| Forty-Five to Fifty-Four Years    | 1,679            | 7.7%           | Cerebrovascular Disease                     | 1,047  | 4.8%    |
| Fifty-Five to Sixty-Four Years    | 2,959            | 13.5%          | Dementia                                    | 1,009  | 4.6%    |
| Sixty-Five to Seventy-Four Years  | 3,990            | 18.2%          | Diabetes Mellitus                           | 792    | 3.6%    |
| Seventy-Five to Eighty-Four Years | 5,767            | 26.4%          | Alzheimer's Disease                         | 609    | 2.8%    |
| Eighty-Five Years and Older       | 5,881            | 26.9%          | Influenza and Pneumonia                     | 455    | 2.1%    |
|                                   |                  |                | Nephritis, Nephrotic Syndrome and Nephrosis | 444    | 2.0%    |
|                                   |                  |                | All Other Causes (Residual)                 | 4,797  | 21.9%   |

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Note: En Route to Hospital includes any patient status listed as Dead On Arrival

Out-of-State Occurrences  
West Virginia Resident Deaths, 2007-2011  
Table 18

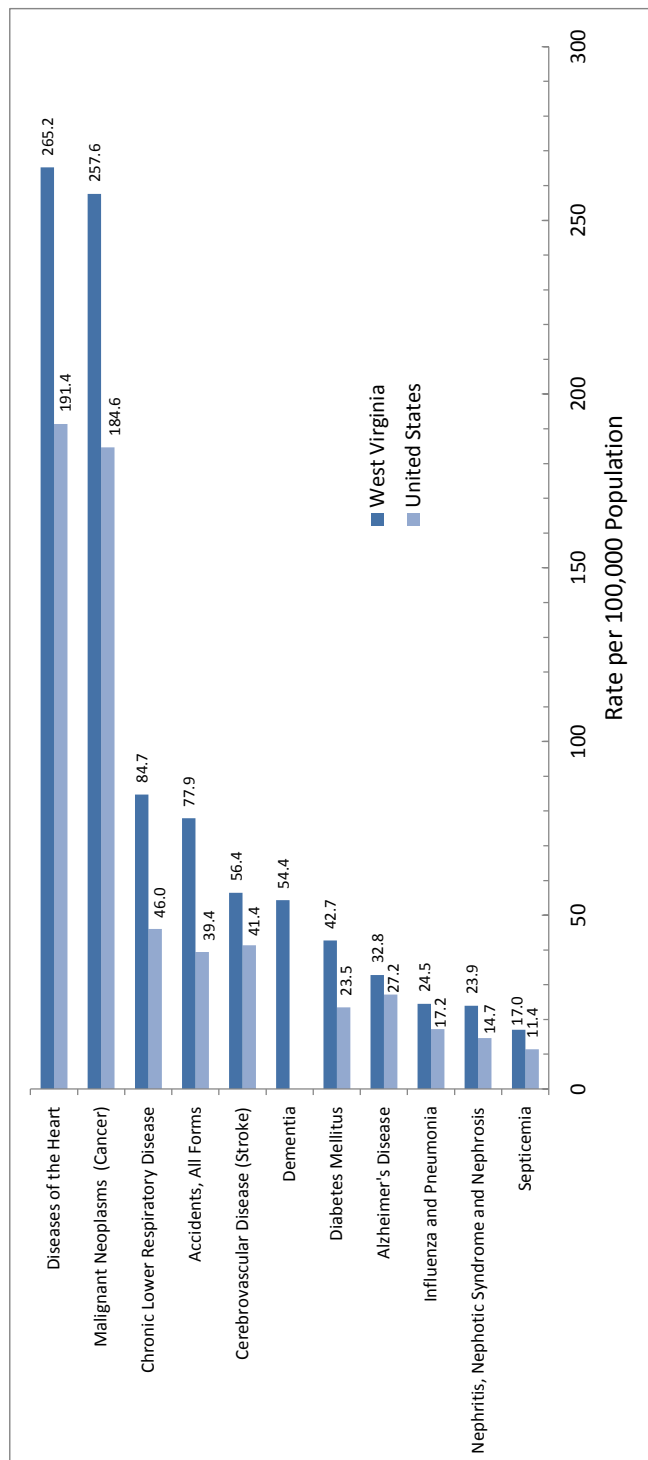
| State of Occurrence        | 2007<br>Deaths | 2008<br>Deaths | 2009<br>Deaths | 2010<br>Deaths | 2011<br>Deaths |
|----------------------------|----------------|----------------|----------------|----------------|----------------|
| Ohio                       | 562            | 574            | 566            | 574            | 602            |
| Virginia                   | 570            | 570            | 540            | 562            | 617            |
| Maryland                   | 292            | 268            | 286            | 282            | 282            |
| Pennsylvania               | 191            | 178            | 194            | 192            | 193            |
| Kentucky                   | 148            | 140            | 148            | 138            | 162            |
| North Carolina             | 55             | 45             | 58             | 59             | 55             |
| Florida                    | 45             | 42             | 47             | 57             | 50             |
| Tennessee                  | 20             | 30             | 17             | 27             | 18             |
| District of Columbia       | 13             | 17             | 14             | 23             | 8              |
| South Carolina             | 12             | 8              | 20             | 15             | 20             |
| Georgia                    | 0              | 6              | 15             | 10             | 14             |
| Texas                      | 3              | 4              | 7              | 10             | 9              |
| All Other States/Countries | 59             | 51             | 49             | 53             | 49             |
| Total                      | 1,970          | 1,933          | 1,961          | 2,002          | 2,079          |

Deaths to Out-of-State Residents  
West Virginia Occurrence Deaths, 2007-2011  
Table 19

| State of Residence         | 2007<br>Deaths | 2008<br>Deaths | 2009<br>Deaths | 2010<br>Deaths | 2011<br>Deaths |
|----------------------------|----------------|----------------|----------------|----------------|----------------|
| Ohio                       | 752            | 777            | 780            | 775            | 804            |
| Virginia                   | 204            | 188            | 196            | 206            | 187            |
| Pennsylvania               | 175            | 198            | 174            | 188            | 169            |
| Kentucky                   | 170            | 187            | 193            | 152            | 178            |
| Maryland                   | 143            | 134            | 108            | 128            | 136            |
| Florida                    | 20             | 29             | 28             | 40             | 24             |
| North Carolina             | 20             | 10             | 22             | 12             | 24             |
| Michigan                   | 8              | 9              | 10             | 12             | 11             |
| Tennessee                  | 10             | 6              | 7              | 12             | 6              |
| South Carolina             | 10             | 6              | 5              | 10             | 8              |
| New York                   | 9              | 9              | 9              | 4              | 7              |
| New Jersey                 | 5              | 8              | 7              | 8              | 5              |
| All Other States/Countries | 44             | 42             | 62             | 37             | 52             |
| Total                      | 1,570          | 1,603          | 1,601          | 1,584          | 1,611          |

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# 2011 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                       | 4,921            | 265.2                       | 22.5%            | 596,339          | 191.4                       | 23.7%            |
| Malignant Neoplasms (Cancer)                | 4,779            | 257.6                       | 21.9%            | 575,313          | 184.6                       | 22.9%            |
| Chronic Lower Respiratory Disease           | 1,572            | 84.7                        | 7.2%             | 143,382          | 46.0                        | 5.7%             |
| Accidents, All Forms                        | 1,445            | 77.9                        | 6.6%             | 122,777          | 39.4                        | 4.9%             |
| Cerebrovascular Disease (Stroke)            | 1,047            | 56.4                        | 4.8%             | 128,931          | 41.4                        | 5.1%             |
| Dementia                                    | 1,009            | 54.4                        | 4.6%             | Not Available    |                             |                  |
| Diabetes Mellitus                           | 792              | 42.7                        | 3.6%             | 73,282           | 23.5                        | 2.9%             |
| Alzheimer's Disease                         | 609              | 32.8                        | 2.8%             | 84,691           | 27.2                        | 3.4%             |
| Influenza and Pneumonia                     | 455              | 24.5                        | 2.1%             | 53,667           | 17.2                        | 2.1%             |
| Nephritis, Nephrotic Syndrome and Nephrosis | 444              | 23.9                        | 2.0%             | 45,731           | 14.7                        | 1.8%             |
| Septicemia                                  | 316              | 17.0                        | 1.4%             | 35,539           | 11.4                        | 1.4%             |
| Total for Leading Causes                    | 17,389           | 937.2                       | 79.5%            | 1,859,652        | 596.8                       | 74.0%            |
| All Other Causes (Residual)                 | 4,481            | 241.5                       | 20.5%            | 653,221          | 209.6                       | 26.0%            |
| Total for All Causes                        | 21,870           | 1,178.7                     | 100.0%           | 2,512,873        | 806.5                       | 100.0%           |

\* National Vital Statistics Reports. Deaths: Preliminary Data for 2011. National Center for Health Statistics. [http://www.cdc.gov/hchs/data/nvsr/nvsr61/nvsr61\\_06.pdf](http://www.cdc.gov/hchs/data/nvsr/nvsr61/nvsr61_06.pdf).  
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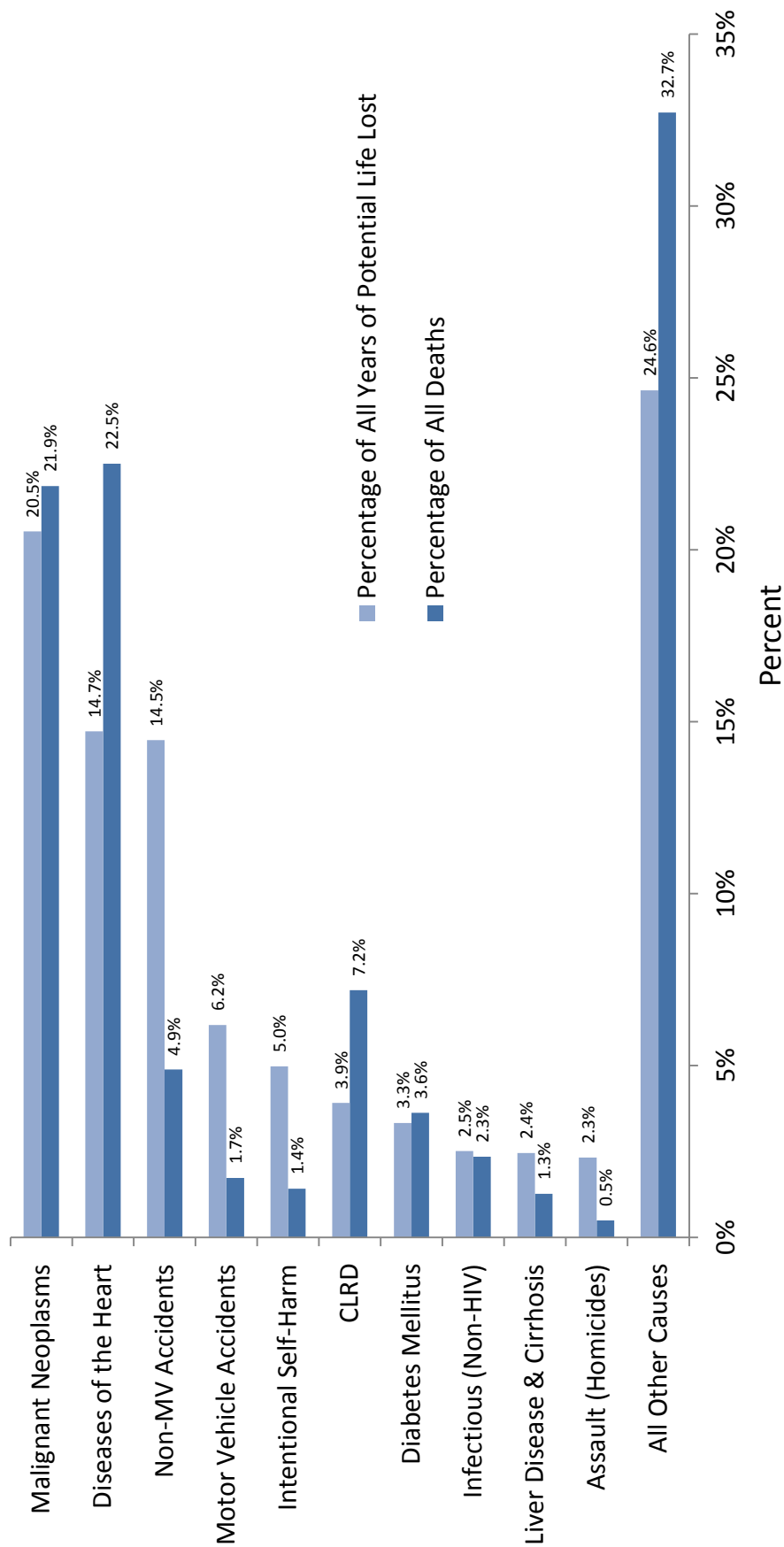
Top Twenty Leading Causes of Years of Potential Life Lost Before Age 75\*  
Compared to Actual Deaths of All Ages  
West Virginia Residents 2010 and 2011  
Table 20

| Cause of Death                                                        | Years of Potential Life Lost Before Age 75 |         |         | Actual Deaths |        |         |
|-----------------------------------------------------------------------|--------------------------------------------|---------|---------|---------------|--------|---------|
|                                                                       | 2010                                       |         | 2011    | 2010          |        | 2011    |
|                                                                       | Number                                     | Percent | Number  | Percent       | Number | Percent |
| All Causes                                                            | 170,981                                    | 100.0%  | 178,842 | 100.0%        | 21,278 | 100.0%  |
| Malignant Neoplasms (Cancer)                                          | 35,963                                     | 21.0%   | 36,719  | 20.5%         | 4,659  | 21.9%   |
| Diseases of the Heart                                                 | 24,221                                     | 14.2%   | 26,321  | 14.7%         | 4,899  | 23.0%   |
| Non-motor Vehicle Accidents                                           | 23,098                                     | 13.5%   | 25,860  | 14.5%         | 952    | 4.5%    |
| Motor Vehicle Accidents                                               | 9,555                                      | 5.6%    | 11,042  | 6.2%          | 313    | 1.5%    |
| Intentional Self-Harm (Suicides)                                      | 7,822                                      | 4.6%    | 8,888   | 5.0%          | 294    | 1.4%    |
| Chronic Lower Respiratory Diseases                                    | 6,891                                      | 4.0%    | 6,985   | 3.9%          | 1,493  | 7.0%    |
| Diabetes Mellitus                                                     | 5,765                                      | 3.4%    | 5,944   | 3.3%          | 778    | 3.7%    |
| Infectious and Parasitic Diseases (excluding HIV)                     | 4,419                                      | 2.6%    | 4,487   | 2.5%          | 505    | 2.4%    |
| Chronic Liver Disease and Cirrhosis                                   | 3,929                                      | 2.3%    | 4,381   | 2.4%          | 238    | 1.1%    |
| Assault (Homicides)                                                   | 3,797                                      | 2.2%    | 4,153   | 2.3%          | 91     | 0.4%    |
| Congenital Malformations                                              | 3,045                                      | 1.8%    | 3,889   | 2.2%          | 69     | 0.3%    |
| Cerebrovascular Diseases (Stroke)                                     | 3,896                                      | 2.3%    | 3,590   | 2.0%          | 1,112  | 5.2%    |
| Influenza and Pneumonia                                               | 1,654                                      | 1.0%    | 2,666   | 1.5%          | 416    | 2.0%    |
| Injury Undetermined Whether Accidental or Purposely Inflicted         | 4,011                                      | 2.3%    | 2,187   | 1.2%          | 130    | 0.6%    |
| Nephritis, Nephrotic Syndrome and Nephrosis                           | 2,057                                      | 1.2%    | 2,126   | 1.2%          | 428    | 2.0%    |
| Sudden Infant Death Syndrome                                          | 2,533                                      | 1.5%    | 1,788   | 1.0%          | 34     | 0.2%    |
| Disorders Relating to Short Gestation and Unspecified Low Birthweight | 522                                        | 0.3%    | 1,267   | 0.7%          | 7      | 0.0%    |
| Obesity                                                               | 1,149                                      | 0.7%    | 1,254   | 0.7%          | 51     | 0.2%    |
| Essential Hypertension and Hypertensive Renal Disease                 | 1,336                                      | 0.8%    | 1,214   | 0.7%          | 270    | 1.3%    |
| Alcohol or Drug Psychoses, Dependence or Abuse                        | 1,003                                      | 0.6%    | 1,034   | 0.6%          | 55     | 0.3%    |
| All Other Causes (Residual)                                           | 24,318                                     | 14.2%   | 23,050  | 12.9%         | 4,484  | 21.1%   |
|                                                                       |                                            |         |         |               | 4,643  | 21.2%   |

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\* Top 20 leading causes in 2011.

# Top Ten Causes of Years of Potential Life Lost Before Age 75 Compared to Resident Deaths of All Ages West Virginia Deaths, 2011 Exhibit 12



West Virginia Bureau for Public Health  
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Leading Causes of Death by Age Group and Gender  
West Virginia, 2011  
Table 21

| Leading Causes of Death                     | Total, All Age Groups |         |        |         |        |         |
|---------------------------------------------|-----------------------|---------|--------|---------|--------|---------|
|                                             | Male                  |         | Female |         | Total  |         |
|                                             | Number                | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes                    | 11,056                |         | 10,814 |         | 21,870 |         |
| Diseases of the Heart                       | 2,516                 | 22.8%   | 2,405  | 22.2%   | 4,921  | 22.5%   |
| Malignant Neoplasms (Cancer)                | 2,604                 | 23.6%   | 2,175  | 20.1%   | 4,779  | 21.9%   |
| Chronic Lower Respiratory Disease           | 743                   | 6.7%    | 829    | 7.7%    | 1,572  | 7.2%    |
| Accidents, All Forms                        | 926                   | 8.4%    | 519    | 4.8%    | 1,445  | 6.6%    |
| Cerebrovascular Disease (Stroke)            | 401                   | 3.6%    | 646    | 6.0%    | 1,047  | 4.8%    |
| Dementia                                    | 305                   | 2.8%    | 704    | 6.5%    | 1,009  | 4.6%    |
| Diabetes Mellitus                           | 425                   | 3.8%    | 367    | 3.4%    | 792    | 3.6%    |
| Alzheimer's Disease                         | 190                   | 1.7%    | 419    | 3.9%    | 609    | 2.8%    |
| Influenza and Pneumonia                     | 196                   | 1.8%    | 259    | 2.4%    | 455    | 2.1%    |
| Nephritis, Nephrotic Syndrome and Nephrosis | 229                   | 2.1%    | 215    | 2.0%    | 444    | 2.0%    |
| All Other Causes (Residual)                 | 2,521                 | 22.8%   | 2,276  | 21.0%   | 4,797  | 21.9%   |

| Leading Causes of Death                                        | Less than One Year |         |        |         |        |         |
|----------------------------------------------------------------|--------------------|---------|--------|---------|--------|---------|
|                                                                | Male               |         | Female |         | Total  |         |
|                                                                | Number             | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes                                       | 83                 |         | 58     |         | 141    |         |
| Congenital Malformations                                       | 14                 | 16.9%   | 19     | 32.8%   | 33     | 23.4%   |
| Sudden Infant Death Syndrome                                   | 12                 | 14.5%   | 12     | 20.7%   | 24     | 17.0%   |
| Disorders Relating to Short Gestation/Unspecified LBW          | 12                 | 14.5%   | 5      | 8.6%    | 17     | 12.1%   |
| Other Respiratory and Cardiovascular Conditions of the Newborn | 6                  | 7.2%    | 5      | 8.6%    | 11     | 7.8%    |
| Respiratory Distress Syndrome                                  | 4                  | 4.8%    | 3      | 5.2%    | 7      | 5.0%    |
| Maternal Complications of Pregnancy                            | 3                  | 3.6%    | 2      | 3.4%    | 5      | 3.5%    |
| Assault (Homicides)                                            | 4                  | 4.8%    | 0      | 0.0%    | 4      | 2.8%    |
| Complications of Placenta, Cord, and Membrane                  | 4                  | 4.8%    | 0      | 0.0%    | 4      | 2.8%    |
| Influenza and Pneumonia                                        | 3                  | 3.6%    | 1      | 1.7%    | 4      | 2.8%    |
| Other and Unspecified Perinatal Conditions                     | 2                  | 2.4%    | 2      | 3.4%    | 4      | 2.8%    |
| Accidents, All Forms                                           | 2                  | 2.4%    | 1      | 1.7%    | 3      | 2.1%    |
| Infections Specific to the Perinatal Period                    | 2                  | 2.4%    | 1      | 1.7%    | 3      | 2.1%    |
| Neonatal Hemorrhage                                            | 2                  | 2.4%    | 1      | 1.7%    | 3      | 2.1%    |
| All Other Causes (Residual)                                    | 13                 | 15.7%   | 6      | 10.3%   | 19     | 13.5%   |

| Leading Causes of Death      | One to Four Years |         |        |         |        |         |
|------------------------------|-------------------|---------|--------|---------|--------|---------|
|                              | Male              |         | Female |         | Total  |         |
|                              | Number            | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes     | 15                |         | 5      |         | 20     |         |
| Accidents, All Forms         | 5                 | 33.3%   | 0      | 0.0%    | 5      | 25.0%   |
| Assault (Homicides)          | 4                 | 26.7%   | 0      | 0.0%    | 4      | 20.0%   |
| Congenital Malformations     | 0                 | 0.0%    | 4      | 80.0%   | 4      | 20.0%   |
| Malignant Neoplasms (Cancer) | 1                 | 6.7%    | 0      | 0.0%    | 1      | 5.0%    |
| Septicemia                   | 0                 | 0.0%    | 1      | 20.0%   | 1      | 5.0%    |
| All Other Causes (Residual)  | 5                 | 33.3%   | 0      | 0.0%    | 5      | 25.0%   |

Leading Causes of Death by Age Group and Gender  
West Virginia 2011  
Table 21 (Cont'd)

| Leading Causes of Death      | Five to Nine Years |         |        |         |        |         |
|------------------------------|--------------------|---------|--------|---------|--------|---------|
|                              | Male               |         | Female |         | Total  |         |
|                              | Number             | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes     | 10                 |         | 4      |         | 14     |         |
| Accidents, All Forms         | 3                  | 30.0%   | 1      | 25.0%   | 4      | 28.6%   |
| Septicemia                   | 1                  | 10.0%   | 2      | 50.0%   | 3      | 21.4%   |
| Malignant Neoplasms (Cancer) | 0                  | 0.0%    | 1      | 25.0%   | 1      | 7.1%    |
| Assault (Homicides)          | 1                  | 10.0%   | 0      | 0.0%    | 1      | 7.1%    |
| Congenital Malformations     | 1                  | 10.0%   | 0      | 0.0%    | 1      | 7.1%    |
| All Other Causes (Residual)  | 4                  | 40.0%   | 0      | 0.0%    | 4      | 28.6%   |

| Leading Causes of Death          | Ten to Fourteen Years |         |        |         |        |         |
|----------------------------------|-----------------------|---------|--------|---------|--------|---------|
|                                  | Male                  |         | Female |         | Total  |         |
|                                  | Number                | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes         | 12                    |         | 10     |         | 22     |         |
| Accidents, All Forms             | 2                     | 16.7%   | 5      | 50.0%   | 7      | 31.8%   |
| Congenital Malformations         | 0                     | 0.0%    | 3      | 30.0%   | 3      | 13.6%   |
| Malignant Neoplasms (Cancer)     | 1                     | 8.3%    | 1      | 10.0%   | 2      | 9.1%    |
| Intentional Self-Harm (Suicides) | 0                     | 0.0%    | 1      | 10.0%   | 1      | 4.5%    |
| Cerebrovascular Disease (Stroke) | 1                     | 8.3%    | 0      | 0.0%    | 1      | 4.5%    |
| All Other Causes (Residual)      | 8                     | 66.7%   | 0      | 0.0%    | 8      | 36.4%   |

| Leading Causes of Death                                       | Fifteen to Twenty-Four Years |         |        |         |        |         |
|---------------------------------------------------------------|------------------------------|---------|--------|---------|--------|---------|
|                                                               | Male                         |         | Female |         | Total  |         |
|                                                               | Number                       | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes                                      | 153                          |         | 68     |         | 221    |         |
| Accidents, All Forms                                          | 76                           | 49.7%   | 44     | 64.7%   | 120    | 54.3%   |
| Intentional Self-Harm (Suicides)                              | 33                           | 21.6%   | 4      | 5.9%    | 37     | 16.7%   |
| Assault (Homicides)                                           | 16                           | 10.5%   | 3      | 4.4%    | 19     | 8.6%    |
| Malignant Neoplasms (Cancer)                                  | 7                            | 4.6%    | 5      | 7.4%    | 12     | 5.4%    |
| Diseases of the Heart                                         | 3                            | 2.0%    | 1      | 1.5%    | 4      | 1.8%    |
| Influenza and Pneumonia                                       | 3                            | 2.0%    | 1      | 1.5%    | 4      | 1.8%    |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 2                            | 1.3%    | 1      | 1.5%    | 3      | 1.4%    |
| Congenital Malformations                                      | 1                            | 0.7%    | 1      | 1.5%    | 2      | 0.9%    |
| All Other Causes (Residual)                                   | 12                           | 7.8%    | 8      | 11.8%   | 20     | 9.0%    |

| Leading Causes of Death                                       | Twenty-Five to Thirty-Four Years |         |        |         |        |         |
|---------------------------------------------------------------|----------------------------------|---------|--------|---------|--------|---------|
|                                                               | Male                             |         | Female |         | Total  |         |
|                                                               | Number                           | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes                                      | 300                              |         | 130    |         | 430    |         |
| Accidents, All Forms                                          | 159                              | 53.0%   | 66     | 50.8%   | 225    | 52.3%   |
| Intentional Self-Harm (Suicides)                              | 37                               | 12.3%   | 8      | 6.2%    | 45     | 10.5%   |
| Diseases of the Heart                                         | 21                               | 7.0%    | 11     | 8.5%    | 32     | 7.4%    |
| Assault (Homicides)                                           | 15                               | 5.0%    | 9      | 6.9%    | 24     | 5.6%    |
| Malignant Neoplasms (Cancer)                                  | 17                               | 5.7%    | 6      | 4.6%    | 23     | 5.3%    |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 8                                | 2.7%    | 5      | 3.8%    | 13     | 3.0%    |
| Diabetes Mellitus                                             | 5                                | 1.7%    | 3      | 2.3%    | 8      | 1.9%    |
| Congenital Malformations                                      | 5                                | 1.7%    | 1      | 0.8%    | 6      | 1.4%    |
| Influenza and Pneumonia                                       | 3                                | 1.0%    | 1      | 0.8%    | 4      | 0.9%    |
| Obesity                                                       | 3                                | 1.0%    | 1      | 0.8%    | 4      | 0.9%    |
| All Other Causes (Residual)                                   | 27                               | 9.0%    | 19     | 14.6%   | 46     | 10.7%   |

Leading Causes of Death by Age Group and Gender  
West Virginia 2011  
Table 21 (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            | 466                             |         | 280    |         | 746    |         |
| Accidents, All Forms                | 171                             | 36.7%   | 84     | 30.0%   | 255    | 34.2%   |
| Diseases of the Heart               | 79                              | 17.0%   | 29     | 10.4%   | 108    | 14.5%   |
| Malignant Neoplasms (Cancer)        | 39                              | 8.4%    | 66     | 23.6%   | 105    | 14.1%   |
| Intentional Self-Harm (Suicides)    | 42                              | 9.0%    | 16     | 5.7%    | 58     | 7.8%    |
| Diabetes Mellitus                   | 14                              | 3.0%    | 8      | 2.9%    | 22     | 2.9%    |
| Assault (Homicides)                 | 12                              | 2.6%    | 6      | 2.1%    | 18     | 2.4%    |
| Chronic Liver Disease and Cirrhosis | 15                              | 3.2%    | 2      | 0.7%    | 17     | 2.3%    |
| Cerebrovascular Disease (Stroke)    | 9                               | 1.9%    | 3      | 1.1%    | 12     | 1.6%    |
| All Other Causes (Residual)         | 85                              | 18.2%   | 66     | 23.6%   | 151    | 20.2%   |

| Leading Causes of Death             | Forty-Five to Fifty-Four Years |         |        |         |        |         |
|-------------------------------------|--------------------------------|---------|--------|---------|--------|---------|
|                                     | Male                           |         | Female |         | Total  |         |
|                                     | Number                         | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes            | 1,024                          |         | 655    |         | 1,679  |         |
| Malignant Neoplasms (Cancer)        | 197                            | 19.2%   | 206    | 31.5%   | 403    | 24.0%   |
| Diseases of the Heart               | 219                            | 21.4%   | 98     | 15.0%   | 317    | 18.9%   |
| Accidents, All Forms                | 179                            | 17.5%   | 91     | 13.9%   | 270    | 16.1%   |
| Chronic Liver Disease and Cirrhosis | 59                             | 5.8%    | 22     | 3.4%    | 81     | 4.8%    |
| Intentional Self-Harm (Suicides)    | 52                             | 5.1%    | 16     | 2.4%    | 68     | 4.1%    |
| Chronic Lower Respiratory Disease   | 32                             | 3.1%    | 35     | 5.3%    | 67     | 4.0%    |
| Diabetes Mellitus                   | 43                             | 4.2%    | 22     | 3.4%    | 65     | 3.9%    |
| Cerebrovascular Disease (Stroke)    | 19                             | 1.9%    | 14     | 2.1%    | 33     | 2.0%    |
| Influenza and Pneumonia             | 13                             | 1.3%    | 12     | 1.8%    | 25     | 1.5%    |
| Septicemia                          | 14                             | 1.4%    | 8      | 1.2%    | 22     | 1.3%    |
| All Other Causes (Residual)         | 197                            | 19.2%   | 131    | 20.0%   | 328    | 19.5%   |

| Leading Causes of Death                     | Fifty-Five to Sixty-Four Years |         |        |         |        |         |
|---------------------------------------------|--------------------------------|---------|--------|---------|--------|---------|
|                                             | Male                           |         | Female |         | Total  |         |
|                                             | Number                         | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes                    | 1,804                          |         | 1,155  |         | 2,959  |         |
| Malignant Neoplasms (Cancer)                | 549                            | 30.4%   | 413    | 35.8%   | 962    | 32.5%   |
| Diseases of the Heart                       | 405                            | 22.5%   | 181    | 15.7%   | 586    | 19.8%   |
| Chronic Lower Respiratory Disease           | 98                             | 5.4%    | 95     | 8.2%    | 193    | 6.5%    |
| Accidents, All Forms                        | 118                            | 6.5%    | 37     | 3.2%    | 155    | 5.2%    |
| Diabetes Mellitus                           | 88                             | 4.9%    | 63     | 5.5%    | 151    | 5.1%    |
| Cerebrovascular Disease (Stroke)            | 59                             | 3.3%    | 33     | 2.9%    | 92     | 3.1%    |
| Chronic Liver Disease and Cirrhosis         | 62                             | 3.4%    | 26     | 2.3%    | 88     | 3.0%    |
| Septicemia                                  | 27                             | 1.5%    | 25     | 2.2%    | 52     | 1.8%    |
| Nephritis, Nephrotic Syndrome and Nephrosis | 28                             | 1.6%    | 24     | 2.1%    | 52     | 1.8%    |
| Intentional Self-Harm (Suicides)            | 40                             | 2.2%    | 12     | 1.0%    | 52     | 1.8%    |
| All Other Causes (Residual)                 | 330                            | 18.3%   | 246    | 21.3%   | 576    | 19.5%   |

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Percentages in each category are calculated as a total for that gender.

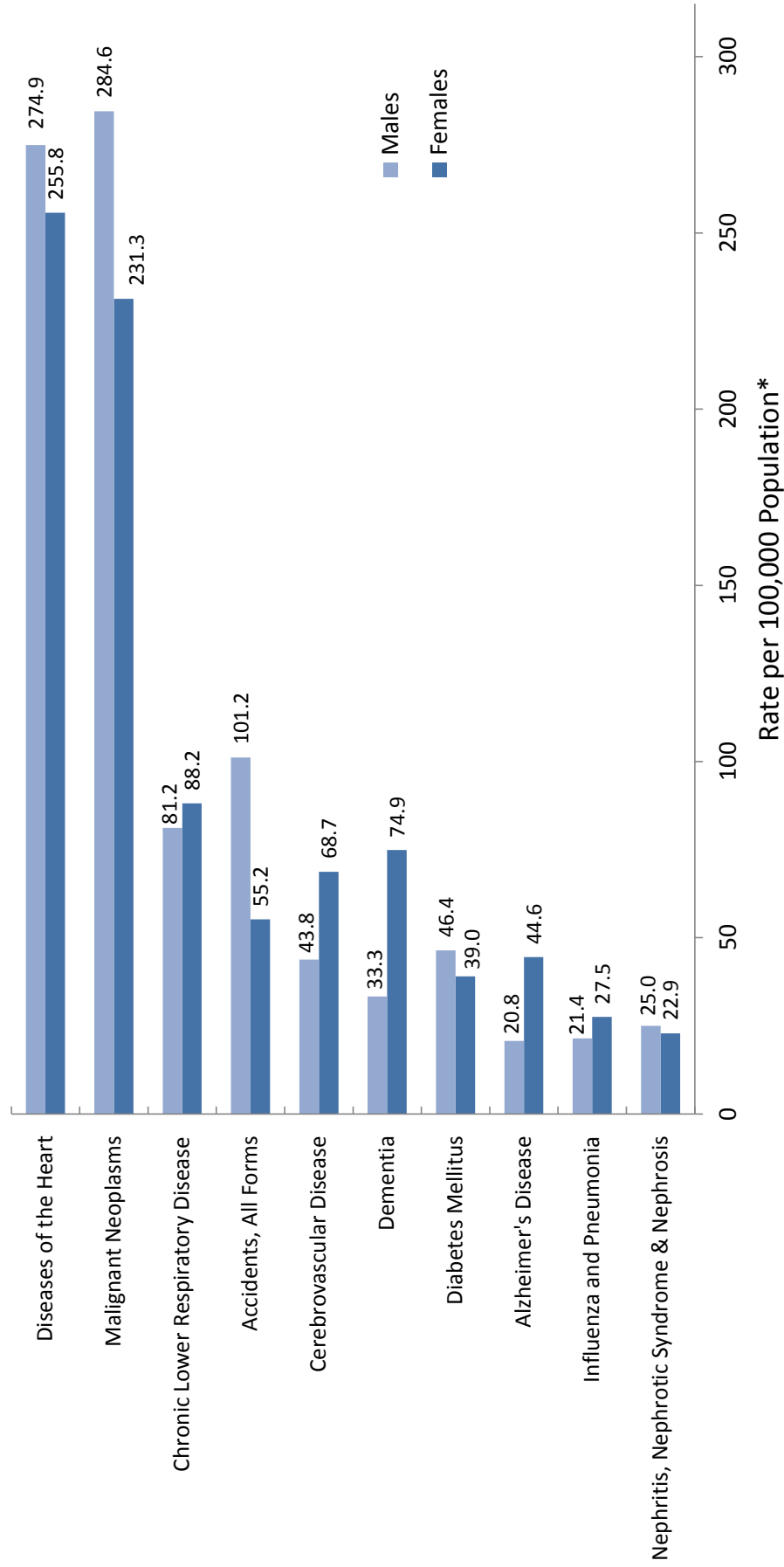
Leading Causes of Death by Age Group and Gender  
West Virginia 2011  
Table 21 (Cont'd)

| Leading Causes of Death                     | Sixty-Five to Seventy-Four Years |         |        |         |        |         |
|---------------------------------------------|----------------------------------|---------|--------|---------|--------|---------|
|                                             | Male                             |         | Female |         | Total  |         |
|                                             | Number                           | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes                    | 2,267                            |         | 1,723  |         | 3,990  |         |
| Malignant Neoplasms (Cancer)                | 761                              | 33.6%   | 555    | 32.2%   | 1,316  | 33.0%   |
| Diseases of the Heart                       | 506                              | 22.3%   | 317    | 18.4%   | 823    | 20.6%   |
| Chronic Lower Respiratory Disease           | 192                              | 8.5%    | 204    | 11.8%   | 396    | 9.9%    |
| Diabetes Mellitus                           | 113                              | 5.0%    | 71     | 4.1%    | 184    | 4.6%    |
| Cerebrovascular Disease (Stroke)            | 81                               | 3.6%    | 81     | 4.7%    | 162    | 4.1%    |
| Accidents, All Forms                        | 66                               | 2.9%    | 37     | 2.1%    | 103    | 2.6%    |
| Nephritis, Nephrotic Syndrome and Nephrosis | 36                               | 1.6%    | 37     | 2.1%    | 73     | 1.8%    |
| Septicemia                                  | 27                               | 1.2%    | 41     | 2.4%    | 68     | 1.7%    |
| Influenza and Pneumonia                     | 35                               | 1.5%    | 33     | 1.9%    | 68     | 1.7%    |
| Dementia                                    | 30                               | 1.3%    | 30     | 1.7%    | 60     | 1.5%    |
| All Other Causes (Residual)                 | 420                              | 18.5%   | 317    | 18.4%   | 737    | 18.5%   |

| Leading Causes of Death                     | Seventy-Five to Eighty-Four Years |         |        |         |        |         |
|---------------------------------------------|-----------------------------------|---------|--------|---------|--------|---------|
|                                             | Male                              |         | Female |         | Total  |         |
|                                             | Number                            | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes                    | 2,790                             |         | 2,977  |         | 5,767  |         |
| Diseases of the Heart                       | 678                               | 24.3%   | 663    | 22.3%   | 1,341  | 23.3%   |
| Malignant Neoplasms (Cancer)                | 697                               | 25.0%   | 610    | 20.5%   | 1,307  | 22.7%   |
| Chronic Lower Respiratory Disease           | 261                               | 9.4%    | 288    | 9.7%    | 549    | 9.5%    |
| Cerebrovascular Disease (Stroke)            | 131                               | 4.7%    | 212    | 7.1%    | 343    | 5.9%    |
| Dementia                                    | 98                                | 3.5%    | 182    | 6.1%    | 280    | 4.9%    |
| Diabetes Mellitus                           | 101                               | 3.6%    | 120    | 4.0%    | 221    | 3.8%    |
| Alzheimer's Disease                         | 68                                | 2.4%    | 122    | 4.1%    | 190    | 3.3%    |
| Accidents, All Forms                        | 78                                | 2.8%    | 70     | 2.4%    | 148    | 2.6%    |
| Nephritis, Nephrotic Syndrome and Nephrosis | 74                                | 2.7%    | 65     | 2.2%    | 139    | 2.4%    |
| Influenza and Pneumonia                     | 63                                | 2.3%    | 73     | 2.5%    | 136    | 2.4%    |
| All Other Causes (Residual)                 | 541                               | 19.4%   | 572    | 19.2%   | 1,113  | 19.3%   |

| Leading Causes of Death                               | Eighty-Five Years and Over |         |        |         |        |         |
|-------------------------------------------------------|----------------------------|---------|--------|---------|--------|---------|
|                                                       | Male                       |         | Female |         | Total  |         |
|                                                       | Number                     | Percent | Number | Percent | Number | Percent |
| Total Deaths, All Causes                              | 2,132                      |         | 3,749  |         | 5,881  |         |
| Diseases of the Heart                                 | 604                        | 28.3%   | 1,105  | 29.5%   | 1,709  | 29.1%   |
| Dementia                                              | 166                        | 7.8%    | 486    | 13.0%   | 652    | 11.1%   |
| Malignant Neoplasms (Cancer)                          | 335                        | 15.7%   | 312    | 8.3%    | 647    | 11.0%   |
| Cerebrovascular Disease (Stroke)                      | 101                        | 4.7%    | 301    | 8.0%    | 402    | 6.8%    |
| Alzheimer's Disease                                   | 104                        | 4.9%    | 271    | 7.2%    | 375    | 6.4%    |
| Chronic Lower Respiratory Disease                     | 157                        | 7.4%    | 200    | 5.3%    | 357    | 6.1%    |
| Influenza and Pneumonia                               | 52                         | 2.4%    | 112    | 3.0%    | 164    | 2.8%    |
| Accidents, All Forms                                  | 67                         | 3.1%    | 83     | 2.2%    | 150    | 2.6%    |
| Nephritis, Nephrotic Syndrome and Nephrosis           | 69                         | 3.2%    | 77     | 2.1%    | 146    | 2.5%    |
| Diabetes Mellitus                                     | 61                         | 2.9%    | 80     | 2.1%    | 141    | 2.4%    |
| Essential Hypertension and Hypertensive Renal Disease | 27                         | 1.3%    | 64     | 1.7%    | 91     | 1.5%    |
| All Other Causes (Residual)                           | 389                        | 18.2%   | 658    | 17.6%   | 1,047  | 17.8%   |

# 2011 Ten Leading Causes of Death by Gender West Virginia Resident Death Rates\* Exhibit 13



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\*Using 2011 estimated Census data for WV  
Males = 915,081; Females = 940,283

Types of Firearm Injury Deaths by Age Group and Gender  
West Virginia Residents, 2011  
Table 22

|                                 | Age in Years |       |       |       |       |       |       |       |     | Total |
|---------------------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
|                                 | 0-9          | 10-14 | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |       |
| Total                           |              |       |       |       |       |       |       |       |     |       |
| Accidental                      | 0            | 1     | 0     | 0     | 1     | 3     | 1     | 1     | 1   | 8     |
| Intentional Self-Harm (Suicide) | 0            | 0     | 5     | 18    | 19    | 34    | 44    | 38    | 42  | 200   |
| Assault (Homicide)              | 0            | 1     | 8     | 7     | 15    | 15    | 10    | 8     | 2   | 66    |
| Legal Intervention              | 0            | 0     | 0     | 1     | 0     | 0     | 1     | 0     | 0   | 2     |
| Undetermined                    | 0            | 0     | 0     | 1     | 1     | 0     | 0     | 0     | 0   | 2     |
| Total                           | 0            | 2     | 13    | 27    | 36    | 52    | 56    | 47    | 45  | 278   |
| Male                            |              |       |       |       |       |       |       |       |     |       |
| Accidental                      | 0            | 1     | 0     | 0     | 1     | 1     | 0     | 1     | 1   | 5     |
| Intentional Self-Harm (Suicide) | 0            | 0     | 5     | 16    | 15    | 26    | 37    | 32    | 41  | 172   |
| Assault (Homicide)              | 0            | 1     | 7     | 5     | 9     | 11    | 7     | 6     | 0   | 46    |
| Legal Intervention              | 0            | 0     | 0     | 1     | 0     | 0     | 1     | 0     | 0   | 2     |
| Undetermined                    | 0            | 0     | 0     | 1     | 1     | 0     | 0     | 0     | 0   | 2     |
| Total                           | 0            | 2     | 12    | 23    | 26    | 38    | 45    | 39    | 42  | 227   |
| Female                          |              |       |       |       |       |       |       |       |     |       |
| Accidental                      | 0            | 0     | 0     | 0     | 0     | 2     | 1     | 0     | 0   | 3     |
| Intentional Self-Harm (Suicide) | 0            | 0     | 0     | 2     | 4     | 8     | 7     | 6     | 1   | 28    |
| Assault (Homicide)              | 0            | 0     | 1     | 2     | 6     | 4     | 3     | 2     | 2   | 20    |
| Legal Intervention              | 0            | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0     |
| Undetermined                    | 0            | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   | 0     |
| Total                           | 0            | 0     | 1     | 4     | 10    | 14    | 11    | 8     | 3   | 51    |

Non-Transport Accidental Injury Deaths  
Place Where Injury Occurred  
West Virginia Residents, 2011  
Table 23

| Place of Injury        | Male | Female | Total |
|------------------------|------|--------|-------|
| Home                   | 297  | 183    | 480   |
| Farm                   | 0    | 0      | 0     |
| Mine and Quarry        | 6    | 1      | 7     |
| Industrial Places      | 4    | 0      | 4     |
| Recreational Places    | 1    | 0      | 1     |
| Street and Highway     | 2    | 0      | 2     |
| Resident Institution   | 0    | 0      | 0     |
| Other Specified Places | 224  | 129    | 353   |
| Unspecified Places     | 35   | 20     | 55    |
| Total                  | 569  | 333    | 902   |

**Causes of Resident Deaths: Number and Rate**  
**West Virginia, 2011**  
**Table 24**

| ICDA-10<br>Code<br>Number | Cause of Death                                                                            | Number<br>of<br>Deaths | Rate  |
|---------------------------|-------------------------------------------------------------------------------------------|------------------------|-------|
| A00-Z99*                  | Total Deaths, All Causes                                                                  | 21,870                 | 11.8  |
| A00-B99                   | Certain Infectious and Parasitic Diseases                                                 | 524                    | 28.2  |
| A00-A09                   | Intestinal Infectious Diseases                                                            | 88                     | 4.7   |
| A04                       | Other Bacterial Intestinal Infections                                                     | 73                     | 3.9   |
| A09                       | Diarrhoea and Gastroenteritis of Presumed Infectious Origin                               | 15                     | 0.8   |
| A15-A19                   | Tuberculosis                                                                              | 2                      | 0.1   |
| A16                       | Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically               | 2                      | 0.1   |
| A30-A49                   | Other Bacterial Diseases                                                                  | 335                    | 18.1  |
| A31                       | Infection due to Other Mycobacteria                                                       | 4                      | 0.2   |
| A39                       | Meningococcal Infection                                                                   | 1                      | 0.1   |
| A40                       | Streptococcal Septicemia                                                                  | 4                      | 0.2   |
| A41                       | Other Septicemia                                                                          | 312                    | 16.8  |
| A48                       | Other Bacterial Diseases, Not Elsewhere Classified                                        | 1                      | 0.1   |
| A49                       | Bacterial Infection of Unspecified Site                                                   | 13                     | 0.7   |
| A50-A64                   | Infections with a Predominantly Sexual Mode of Transmission                               | 1                      | 0.1   |
| A52                       | Late Syphilis                                                                             | 1                      | 0.1   |
| A80-A89                   | Viral Infections of the Central Nervous System                                            | 3                      | 0.2   |
| A81                       | Slow Virus Infections of Central Nervous System                                           | 3                      | 0.2   |
| B00-B09                   | Viral Infections Characterized by Skin and Mucous Membrane Lesions                        | 5                      | 0.3   |
| B00                       | Herpesviral [Herpes Simplex] Infection                                                    | 3                      | 0.2   |
| B02                       | Zoster [Herpes Zoster]                                                                    | 2                      | 0.1   |
| B15-B19                   | Viral Hepatitis                                                                           | 53                     | 2.9   |
| B16                       | Acute Hepatitis B                                                                         | 7                      | 0.4   |
| B17                       | Other Acute Viral Hepatitis                                                               | 2                      | 0.1   |
| B18                       | Chronic Viral Hepatitis                                                                   | 44                     | 2.4   |
| B20-B24                   | Human Immunodeficiency Virus [HIV] Disease                                                | 11                     | 0.6   |
| B20                       | Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases | 1                      | 0.1   |
| B21                       | Human Immunodeficiency Virus [HIV] Disease Resulting in Malignant Neoplasms               | 3                      | 0.2   |
| B22                       | Human Immunodeficiency Virus [HIV] Disease Resulting in Other Specified Diseases          | 2                      | 0.1   |
| B23                       | Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions                  | 3                      | 0.2   |
| B24                       | Unspecified Human Immunodeficiency Virus [HIV] Disease                                    | 2                      | 0.1   |
| B25-B34                   | Other Viral Diseases                                                                      | 2                      | 0.1   |
| B34                       | Viral Infection of Unspecified Site                                                       | 2                      | 0.1   |
| B35-B49                   | Mycoses                                                                                   | 10                     | 0.5   |
| B37                       | Candidiasis                                                                               | 2                      | 0.1   |
| B40                       | Blastomycosis                                                                             | 1                      | 0.1   |
| B46                       | Zygomycosis                                                                               | 1                      | 0.1   |
| B49                       | Unspecified Mycosis                                                                       | 6                      | 0.3   |
| B50-B64                   | Protozoal Diseases                                                                        | 1                      | 0.1   |
| B59                       | Pneumocystis                                                                              | 1                      | 0.1   |
| B90-B94                   | Sequelae of Infectious and Parasitic Diseases                                             | 11                     | 0.6   |
| B91                       | Sequelae of Poliomyelitis                                                                 | 1                      | 0.1   |
| B94                       | Sequelae of Other and Unspecified Infectious and Parasitic Diseases                       | 10                     | 0.5   |
| B99                       | Other Infectious Diseases                                                                 | 2                      | 0.1   |
| B99                       | Other and Unspecified Infectious Diseases                                                 | 2                      | 0.1   |
| C00-D48                   | Neoplasms                                                                                 | 4,890                  | 263.6 |
| C00-C97                   | Malignant Neoplasms                                                                       | 4,779                  | 257.6 |
| C01                       | Malignant Neoplasm of Base of Tongue                                                      | 1                      | 0.1   |
| C02                       | Malignant Neoplasm of Other and Unspecified Parts of Tongue                               | 13                     | 0.7   |
| C03                       | Malignant Neoplasm of Gum                                                                 | 1                      | 0.1   |
| C05                       | Malignant Neoplasm of Palate                                                              | 1                      | 0.1   |
| C06                       | Malignant Neoplasm of Other and Unspecified Parts of Mouth                                | 12                     | 0.6   |
| C07                       | Malignant Neoplasm of Parotid Gland                                                       | 5                      | 0.3   |
| C09                       | Malignant Neoplasm of Tonsil                                                              | 5                      | 0.3   |
| C10                       | Malignant Neoplasm of Oropharynx                                                          | 8                      | 0.4   |
| C11                       | Malignant Neoplasm of Nasopharynx                                                         | 4                      | 0.2   |
| C12                       | Malignant Neoplasm of Pyriform Sinus                                                      | 3                      | 0.2   |
| C14                       | Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx     | 12                     | 0.6   |
| C15-C26                   | Malignant Neoplasms of Digestive Organs                                                   | 1,074                  | 57.9  |
| C15                       | Malignant Neoplasm of Esophagus                                                           | 135                    | 7.3   |
| C16                       | Malignant Neoplasm of Stomach                                                             | 80                     | 4.3   |

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

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Causes of Resident Deaths: Number and Rate  
West Virginia, 2011  
Table 24 (Cont'd)

| ICDA-10<br>Code<br>Number | Cause of Death                                                                                       | Number<br>of<br>Deaths | Rate |
|---------------------------|------------------------------------------------------------------------------------------------------|------------------------|------|
| C17                       | Malignant Neoplasm of Small Intestine                                                                | 10                     | 0.5  |
| C18                       | Malignant Neoplasm of Colon                                                                          | 344                    | 18.5 |
| C19                       | Malignant Neoplasm of Rectosigmoid Junction                                                          | 27                     | 1.5  |
| C20                       | Malignant Neoplasm of Rectum                                                                         | 63                     | 3.4  |
| C21                       | Malignant Neoplasm of Anus and Anal Canal                                                            | 4                      | 0.2  |
| C22                       | Malignant Neoplasm of Liver and Intrahepatic Bile Ducts                                              | 128                    | 6.9  |
| C23                       | Malignant Neoplasm of Gallbladder                                                                    | 13                     | 0.7  |
| C24                       | Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract                               | 11                     | 0.6  |
| C25                       | Malignant Neoplasm of Pancreas                                                                       | 248                    | 13.4 |
| C26                       | Malignant Neoplasm of Other and Ill-Defined Digestive Organs                                         | 11                     | 0.6  |
| C30-C39                   | Malignant Neoplasms of Respiratory and Intrathoracic Organs                                          | 1,537                  | 82.8 |
| C31                       | Malignant Neoplasm of Accessory Sinuses                                                              | 2                      | 0.1  |
| C32                       | Malignant Neoplasm of Larynx                                                                         | 29                     | 1.6  |
| C34                       | Malignant Neoplasm of Bronchus and Lung                                                              | 1,502                  | 81.0 |
| C38                       | Malignant Neoplasm of Heart, Mediastinum and Pleura                                                  | 3                      | 0.2  |
| C39                       | Malignant Neoplasm of Other and Ill-Defined Sites in the Respiratory System and Intrathoracic Organs | 1                      | 0.1  |
| C40-C41                   | Malignant Neoplasms of Bone and Articular Cartilage                                                  | 7                      | 0.4  |
| C41                       | Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites                    | 7                      | 0.4  |
| C43-C44                   | Melanoma and Other Malignant Neoplasms of Skin                                                       | 98                     | 5.3  |
| C43                       | Malignant Neoplasm of Skin                                                                           | 67                     | 3.6  |
| C44                       | Other Malignant Neoplasms of Skin                                                                    | 31                     | 1.7  |
| C45-C49                   | Malignant Neoplasms of Mesothelial and Soft Tissue                                                   | 72                     | 3.9  |
| C45                       | Mesothelioma                                                                                         | 32                     | 1.7  |
| C48                       | Malignant Neoplasm of Retroperitoneum and Peritoneum                                                 | 8                      | 0.4  |
| C49                       | Malignant Neoplasm of Other Connective and Soft Tissue                                               | 32                     | 1.7  |
| C50                       | Malignant Neoplasm of Breast                                                                         | 307                    | 16.5 |
| C50                       | Malignant Neoplasm of Breast                                                                         | 307                    | 16.5 |
| C51-C58                   | Malignant Neoplasms of Female Genital Organs                                                         | 256                    | 13.8 |
| C51                       | Malignant Neoplasm of Vulva                                                                          | 15                     | 0.8  |
| C52                       | Malignant Neoplasm of Vagina                                                                         | 4                      | 0.2  |
| C53                       | Malignant Neoplasm of Cervix Uteri                                                                   | 51                     | 2.7  |
| C54                       | Malignant Neoplasm of Corpus Uteri                                                                   | 30                     | 1.6  |
| C55                       | Malignant Neoplasm of Uterus, Part Unspecified                                                       | 37                     | 2.0  |
| C56                       | Malignant Neoplasm of Ovary                                                                          | 115                    | 6.2  |
| C57                       | Malignant Neoplasm of Other and Unspecified Female Genital Organs                                    | 4                      | 0.2  |
| C60-C63                   | Malignant Neoplasms of Male Genital Organs                                                           | 192                    | 10.3 |
| C60                       | Malignant Neoplasm of Penis                                                                          | 1                      | 0.1  |
| C61                       | Malignant Neoplasm of Prostate                                                                       | 191                    | 10.3 |
| C64-C68                   | Malignant Neoplasms of Urinary Tract                                                                 | 231                    | 12.5 |
| C64                       | Malignant Neoplasm of Kidney, Except Renal Pelvis                                                    | 120                    | 6.5  |
| C66                       | Malignant Neoplasm of Ureter                                                                         | 2                      | 0.1  |
| C67                       | Malignant Neoplasm of Bladder                                                                        | 107                    | 5.8  |
| C68                       | Malignant Neoplasm of Other and Unspecified Urinary Organs                                           | 2                      | 0.1  |
| C69-C72                   | Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System                          | 80                     | 4.3  |
| C69                       | Malignant Neoplasm of Eye and Adnexa                                                                 | 3                      | 0.2  |
| C71                       | Malignant Neoplasm of Brain                                                                          | 77                     | 4.2  |
| C73-C75                   | Malignant Neoplasms of Other Endocrine Glands                                                        | 17                     | 0.9  |
| C73                       | Malignant Neoplasm of Thyroid Gland                                                                  | 13                     | 0.7  |
| C74                       | Malignant Neoplasm of Adrenal Gland                                                                  | 2                      | 0.1  |
| C75                       | Malignant Neoplasm of Other Endocrine Glands and Related Structures                                  | 2                      | 0.1  |
| C76-C80                   | Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites                                  | 322                    | 17.4 |
| C76                       | Malignant Neoplasm of Other and Ill-Defined Sites                                                    | 16                     | 0.9  |
| C78                       | Secondary and Malignant Neoplasm of Respiratory and Digestive Organs                                 | 23                     | 1.2  |
| C79                       | Secondary Malignant Neoplasm of Other Sites                                                          | 29                     | 1.6  |
| C80                       | Malignant Neoplasm without Specification of Site                                                     | 254                    | 13.7 |
| C81-C96                   | Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue                                    | 470                    | 25.3 |
| C81                       | Hodgkin's Disease                                                                                    | 10                     | 0.5  |
| C82                       | Follicular [Nodular] Non-Hodgkin's Lymphoma                                                          | 2                      | 0.1  |
| C83                       | Diffuse Non-Hodgkin's Lymphoma                                                                       | 31                     | 1.7  |
| C84                       | Peripheral and Cutaneous T-Cell Lymphoma                                                             | 5                      | 0.3  |

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

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| ICDA-10<br>Code<br>Number | Cause of Death                                                                                     | Number<br>of<br>Deaths | Rate |
|---------------------------|----------------------------------------------------------------------------------------------------|------------------------|------|
| C85                       | Other and Unspecified Types of Non-Hodgkin's Lymphoma                                              | 117                    | 6.3  |
| C88                       | Malignant Immunoproliferative Diseases                                                             | 1                      | 0.1  |
| C90                       | Multiple Myeloma and Malignant Plasma Cell Neoplasms                                               | 94                     | 5.1  |
| C91                       | Lymphoid Leukemia                                                                                  | 65                     | 3.5  |
| C92                       | Myeloid Leukemia                                                                                   | 94                     | 5.1  |
| C93                       | Monocytic Leukemia                                                                                 | 2                      | 0.1  |
| C94                       | Other Leukemias of Specified Cell Type                                                             | 1                      | 0.1  |
| C95                       | Leukemia of Unspecified Cell Type                                                                  | 48                     | 2.6  |
| C97                       | Malignant Neoplasm of Independent (Primary) Multiple Sites                                         | 51                     | 2.7  |
| C97                       | Malignant Neoplasm of Independent (Primary) Multiple Sites                                         | 51                     | 2.7  |
| D00-D09                   | In Situ Neoplasms                                                                                  | 1                      | 0.1  |
| D09                       | Carcinoma in Situ of Other and Unspecified Sites                                                   | 1                      | 0.1  |
| D10-D36                   | Benign Neoplasms                                                                                   | 3                      | 0.2  |
| D15                       | Benign Neoplasm of Other and Unspecified Intrathoracic Organs                                      | 1                      | 0.1  |
| 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                                                         | 107                    | 5.8  |
| D37                       | Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs                      | 2                      | 0.1  |
| D38                       | Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs   | 10                     | 0.5  |
| D40                       | Neoplasm of Uncertain or Unknown Behavior of Male Genital Organs                                   | 2                      | 0.1  |
| D41                       | Neoplasm of Uncertain or Unknown Behavior of Urinary Organs                                        | 1                      | 0.1  |
| D43                       | Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System                      | 18                     | 1.0  |
| D44                       | Neoplasm of Uncertain or Unknown Behavior of Endocrine Glands                                      | 1                      | 0.1  |
| D45                       | Polycythemia Vera                                                                                  | 2                      | 0.1  |
| D46                       | Myelodysplastic Syndromes                                                                          | 44                     | 2.4  |
| D47                       | Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue      | 13                     | 0.7  |
| D48                       | Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites                           | 14                     | 0.8  |
| D50-D89                   | Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism | 85                     | 4.6  |
| D50-D53                   | Nutritional Anemias                                                                                | 3                      | 0.2  |
| D50                       | Iron Deficiency Anemia                                                                             | 3                      | 0.2  |
| D55-D59                   | Hemolytic Anemias                                                                                  | 1                      | 0.1  |
| D58                       | Other Hereditary Hemolytic Anemias                                                                 | 1                      | 0.1  |
| D60-D64                   | Aplastic and Other Anemias                                                                         | 38                     | 2.0  |
| D61                       | Other Aplastic Anemias                                                                             | 9                      | 0.5  |
| D62                       | Acute Posthemorrhagic Anemia                                                                       | 2                      | 0.1  |
| D64                       | Other Anemias                                                                                      | 27                     | 1.5  |
| D65-D69                   | Coagulation Defects, Purpura and Other Hemorrhagic Conditions                                      | 29                     | 1.6  |
| D65                       | Disseminated Intravascular Coagulation [Defibrination Syndrome]                                    | 7                      | 0.4  |
| D66                       | Hereditary Factor VIII Deficiency                                                                  | 1                      | 0.1  |
| D68                       | Other Coagulation Defects                                                                          | 13                     | 0.7  |
| D69                       | Purpura and Other Hemorrhagic Conditions                                                           | 8                      | 0.4  |
| D70-D77                   | Other Diseases of Blood and Blood-forming Organs                                                   | 6                      | 0.3  |
| D70                       | Agranulocytosis                                                                                    | 4                      | 0.2  |
| D72                       | Other Disorders of White Blood Cells                                                               | 2                      | 0.1  |
| D80-D89                   | Certain Disorders Involving the Immune Mechanism                                                   | 8                      | 0.4  |
| D86                       | Sarcoidosis                                                                                        | 7                      | 0.4  |
| D89                       | Other Disorders Involving the Immune Mechanism, Not Elsewhere Classified                           | 1                      | 0.1  |
| E00-E90                   | Endocrine, Nutritional and Metabolic Diseases                                                      | 1,145                  | 61.7 |
| E00-E07                   | Disorders of Thyroid Gland                                                                         | 33                     | 1.8  |
| E03                       | Other Hypothyroidism                                                                               | 29                     | 1.6  |
| E04                       | Other Nontoxic Goitre                                                                              | 1                      | 0.1  |
| E05                       | Thyrotoxicosis [Hyperthyroidism]                                                                   | 3                      | 0.2  |
| E10-E14                   | Diabetes Mellitus                                                                                  | 792                    | 42.7 |
| E10                       | Insulin-Dependent Diabetes Mellitus                                                                | 71                     | 3.8  |
| E11                       | Non-Insulin-Dependent Diabetes Mellitus                                                            | 254                    | 13.7 |
| E14                       | Unspecified Diabetes Mellitus                                                                      | 467                    | 25.2 |
| E15-E16                   | Other Disorders of Glucose Regulation and Pancreatic Internal Secretion                            | 1                      | 0.1  |
| E16                       | Other Disorders of Pancreatic Internal Secretion                                                   | 1                      | 0.1  |
| E20-E35                   | Disorders of Other Endocrine Glands                                                                | 11                     | 0.6  |
| E21                       | Hypoparathyroidism and Other Disorders of Parathyroid Gland                                        | 1                      | 0.1  |

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| ICDA-10<br>Code<br>Number | Cause of Death                                                                                    | Number<br>of<br>Deaths | Rate |
|---------------------------|---------------------------------------------------------------------------------------------------|------------------------|------|
| E22                       | Hyperfunction of Pituitary Gland                                                                  | 3                      | 0.2  |
| E23                       | Hyperfunction and Other Disorders of Pituitary Gland                                              | 1                      | 0.1  |
| E27                       | Other Disorders of Adrenal Gland                                                                  | 5                      | 0.3  |
| E34                       | Other Endocrine Disorders                                                                         | 1                      | 0.1  |
| E40-E46                   | Malnutrition                                                                                      | 27                     | 1.5  |
| E41                       | Nutritional Marasmus                                                                              | 1                      | 0.1  |
| E43                       | Unspecified Severe Protein-Energy Malnutrition                                                    | 5                      | 0.3  |
| E46                       | Unspecified Protein-Energy Malnutrition                                                           | 21                     | 1.1  |
| E50-E64                   | Other Nutritional Deficiencies                                                                    | 2                      | 0.1  |
| E53                       | Deficiency of Other B Group Vitamins                                                              | 1                      | 0.1  |
| E63                       | Other Nutritional Deficiencies                                                                    | 1                      | 0.1  |
| E65-E68                   | Obesity and Other Hyperalimentation                                                               | 72                     | 3.9  |
| E66                       | Obesity                                                                                           | 72                     | 3.9  |
| E70-E90                   | Metabolic Disorders                                                                               | 207                    | 11.2 |
| E72                       | Other Disorders of Amino-Acid Metabolism                                                          | 1                      | 0.1  |
| E78                       | Disorders of Lipoprotein Metabolism and Other Lipidemias                                          | 119                    | 6.4  |
| E83                       | Disorders of Mineral Metabolism                                                                   | 4                      | 0.2  |
| E84                       | Cystic Fibrosis                                                                                   | 2                      | 0.1  |
| E85                       | Amyloidosis                                                                                       | 3                      | 0.2  |
| E86                       | Volume Depletion                                                                                  | 23                     | 1.2  |
| E87                       | Other Disorders of Fluid, Electrolyte and Acid-Base Balance                                       | 47                     | 2.5  |
| E88                       | Other Metabolic Disorders                                                                         | 8                      | 0.4  |
| F00-F99                   | Mental and Behavioral Disorders                                                                   | 1,098                  | 59.2 |
| F00-F09                   | Organic, Including Symptomatic, Mental Disorders                                                  | 1,019                  | 54.9 |
| F01                       | Vascular Dementia                                                                                 | 54                     | 2.9  |
| F03                       | Unspecified Dementia                                                                              | 955                    | 51.5 |
| F05                       | Delirium, Not Induced by Alcohol and Other Psychoactive Substances                                | 3                      | 0.2  |
| F06                       | Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease                | 6                      | 0.3  |
| F09                       | Unspecified Organic or Symptomatic Mental Disorder                                                | 1                      | 0.1  |
| F10-F19                   | Mental and Behavioral Disorders due to Psychoactive Substance Use                                 | 52                     | 2.8  |
| F10                       | Mental and Behavioral Disorders due to Use of Alcohol                                             | 40                     | 2.2  |
| F14                       | Mental and Behavioral Disorders due to Use of Cocaine                                             | 1                      | 0.1  |
| F15                       | Mental and Behavioral Disorders due to Use of Other Stimulants, Including Caffeine                | 1                      | 0.1  |
| F17                       | Mental and Behavioral Disorders due to Use of Tobacco                                             | 3                      | 0.2  |
| F19                       | Mental and Behavioral Disorders due to Multiple Drug Use and Use of Other Psychoactive Substances | 7                      | 0.4  |
| F20-F29                   | Schizophrenia, Schizotypal and Delusional Disorders                                               | 6                      | 0.3  |
| F20                       | Schizophrenia                                                                                     | 4                      | 0.2  |
| F25                       | Schizoaffective Disorders                                                                         | 1                      | 0.1  |
| F29                       | Unspecified Nonorganic Psychosis                                                                  | 1                      | 0.1  |
| F30-F39                   | Mood [Affective] Disorders                                                                        | 6                      | 0.3  |
| F31                       | Bipolar Affective Disorder                                                                        | 2                      | 0.1  |
| F32                       | Depressive Episode                                                                                | 4                      | 0.2  |
| F50-F59                   | Behavioral Syndromes Associated with Physiological Disturbances and Physical Factors              | 2                      | 0.1  |
| F54                       | Psychological and Behavioral Factors Associated with Disorders or Diseases Classified Elsewhere   | 2                      | 0.1  |
| F70-F79                   | Mental Retardation                                                                                | 12                     | 0.6  |
| F72                       | Severe Mental Retardation                                                                         | 2                      | 0.1  |
| F73                       | Profound Mental Retardation                                                                       | 1                      | 0.1  |
| F79                       | Unspecified Mental Retardation                                                                    | 9                      | 0.5  |
| F80-F89                   | Disorders of Psychological Development                                                            | 1                      | 0.1  |
| F84                       | Pervasive Developmental Disorders                                                                 | 1                      | 0.1  |
| G00-G99                   | Diseases of the Nervous System                                                                    | 1,017                  | 54.8 |
| G00-G09                   | Inflammatory Diseases of the Central Nervous System                                               | 9                      | 0.5  |
| G03                       | Meningitis due to Other and Unspecified Causes                                                    | 3                      | 0.2  |
| G04                       | Encephalitis, Myelitis and Encephalomyelitis                                                      | 1                      | 0.1  |
| G06                       | Intracranial and Intraspinal Abscess and Granuloma                                                | 4                      | 0.2  |
| G09                       | Sequelae of Inflammatory Diseases of Central Nervous System                                       | 1                      | 0.1  |
| G10-G13                   | Systemic Atrophies Primarily Affecting the Central Nervous System                                 | 56                     | 3.0  |
| G10                       | Huntington's Disease                                                                              | 5                      | 0.3  |
| G11                       | Hereditary Ataxia                                                                                 | 1                      | 0.1  |
| G12                       | Spinal Muscular Atrophy and Related Syndromes                                                     | 50                     | 2.7  |
| G20-G26                   | Extrapyramidal and Movement Disorders                                                             | 173                    | 9.3  |

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| ICDA-10<br>Code<br>Number     | Cause of Death                                                          | Number<br>of<br>Deaths | Rate  |
|-------------------------------|-------------------------------------------------------------------------|------------------------|-------|
| G20                           | Parkinson's Disease                                                     | 171                    | 9.2   |
| G21                           | Secondary Parkinsonism                                                  | 1                      | 0.1   |
| G25                           | Other Extrapyrmidal and Movement Disorders                              | 1                      | 0.1   |
| G30-G32                       | Other Degenerative Diseases of the Nervous System                       | 634                    | 34.2  |
| G30                           | Alzheimer's Disease                                                     | 609                    | 32.8  |
| G31                           | Other Degenerative Diseases of Nervous System, Not Elsewhere Classified | 25                     | 1.3   |
| G35-G37                       | Demyelinating Diseases of the Central Nervous System                    | 22                     | 1.2   |
| G35                           | Multiple Sclerosis                                                      | 20                     | 1.1   |
| G37                           | Other Demyelinating                                                     | 2                      | 0.1   |
| G40-G47                       | Episodic and Paroxysmal Disorders                                       | 10                     | 0.5   |
| G40                           | Epilepsy                                                                | 3                      | 0.2   |
| G41                           | Status Epilepticus                                                      | 3                      | 0.2   |
| G47                           | Sleep Disorders                                                         | 4                      | 0.2   |
| G60-G64                       | Polyneuropathies and Other Disorders of the Peripheral Nervous System   | 7                      | 0.4   |
| G60                           | Hereditary and Idiopathic Neuropathy                                    | 1                      | 0.1   |
| G61                           | Inflammatory Polyneuropathy                                             | 3                      | 0.2   |
| G62                           | Other Polyneuropathies                                                  | 3                      | 0.2   |
| G70-G73                       | Diseases of Myoneural Junction and Muscle                               | 22                     | 1.2   |
| G70                           | Myasthenia Gravis and Other Myoneural Disorders                         | 11                     | 0.6   |
| G71                           | Primary Disorders of Muscles                                            | 10                     | 0.5   |
| G72                           | Other Myopathies                                                        | 1                      | 0.1   |
| G80-G83                       | Cerebral Palsy and Other Paralytic Syndromes                            | 20                     | 1.1   |
| G80                           | Infantile Cerebral Palsy                                                | 11                     | 0.6   |
| G82                           | Paraplegia and Tetraplegia                                              | 7                      | 0.4   |
| G83                           | Other Paralytic Syndromes                                               | 2                      | 0.1   |
| G90-G99                       | Other Disorders of the Nervous System                                   | 64                     | 3.4   |
| G90                           | Disorders of Autonomic Nervous System                                   | 1                      | 0.1   |
| G91                           | Hydrocephalus                                                           | 3                      | 0.2   |
| G92                           | Toxic Encephalopathy                                                    | 1                      | 0.1   |
| G93                           | Other Disorders of Brain                                                | 56                     | 3.0   |
| G95                           | Other Diseases of Spinal Cord                                           | 2                      | 0.1   |
| G98                           | Other Disorders of Nervous System, Not Elsewhere Classified             | 1                      | 0.1   |
| I00-I99                       | Diseases of the Circulatory System                                      | 6,469                  | 348.7 |
| I00-I09, I11,<br>I13, I20-I51 | Diseases of the Heart                                                   | 4,921                  | 265.2 |
| I05-I09                       | Chronic Rheumatic Heart Diseases                                        | 23                     | 1.2   |
| I05                           | Rheumatic Mitral Valve Diseases                                         | 12                     | 0.6   |
| I06                           | Rheumatic Aortic Valve Diseases                                         | 1                      | 0.1   |
| I07                           | Rheumatic Tricuspid Valve Diseases                                      | 1                      | 0.1   |
| I08                           | Multiple Valve Diseases                                                 | 6                      | 0.3   |
| I09                           | Other Rheumatic Heart Diseases                                          | 3                      | 0.2   |
| I10-I15                       | Hypertensive Diseases                                                   | 380                    | 20.5  |
| I10                           | Essential (Primary) Hypertension                                        | 180                    | 9.7   |
| I11                           | Hypertensive Heart Disease                                              | 121                    | 6.5   |
| I12                           | Hypertensive Renal Disease                                              | 63                     | 3.4   |
| I13                           | Hypertensive Heart and Renal Disease                                    | 16                     | 0.9   |
| I20-I25                       | Ischemic Heart Diseases                                                 | 3,143                  | 169.4 |
| I20                           | Angina Pectoris                                                         | 2                      | 0.1   |
| I21                           | Acute Myocardial Infarction                                             | 1,036                  | 55.8  |
| I24                           | Other Acute Ischemic Heart Diseases                                     | 16                     | 0.9   |
| I25                           | Chronic Ischemic Heart Disease                                          | 2,089                  | 112.6 |
| I26-I28                       | Pulmonary Heart Disease and Diseases of Pulmonary Circulation           | 116                    | 6.3   |
| I26                           | Pulmonary Embolism                                                      | 68                     | 3.7   |
| I27                           | Other Pulmonary Heart Diseases                                          | 48                     | 2.6   |
| I30-I52                       | Other forms of Heart Diseases                                           | 1,502                  | 81.0  |
| I31                           | Other Diseases of Pericardium                                           | 7                      | 0.4   |
| I33                           | Acute and Subacute Endocarditis                                         | 7                      | 0.4   |
| I34                           | Nonrheumatic Mitral Valve Disorders                                     | 10                     | 0.5   |
| I35                           | Nonrheumatic Aortic Valve Disorders                                     | 94                     | 5.1   |

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| ICDA-10<br>Code<br>Number | Cause of Death                                                                 | Number<br>of<br>Deaths | Rate  |
|---------------------------|--------------------------------------------------------------------------------|------------------------|-------|
| I38                       | Endocarditis, Valve Unspecified                                                | 30                     | 1.6   |
| I40                       | Acute Myocarditis                                                              | 2                      | 0.1   |
| I42                       | Cardiomyopathy                                                                 | 141                    | 7.6   |
| I44                       | Atrioventricular and Left Bundle-Branch Block                                  | 1                      | 0.1   |
| I45                       | Other Conduction Disorders                                                     | 7                      | 0.4   |
| I46                       | Cardiac Arrest                                                                 | 271                    | 14.6  |
| I47                       | Paroxysmal Tachycardia                                                         | 5                      | 0.3   |
| I48                       | Atrial Fibrillation and Flutter                                                | 159                    | 8.6   |
| I49                       | Other Cardiac Arrhythmias                                                      | 74                     | 4.0   |
| I50                       | Heart Failure                                                                  | 589                    | 31.7  |
| I51                       | Complications and Ill-Defined Descriptions of Heart Disease                    | 105                    | 5.7   |
| I60-I69                   | Cerebrovascular Diseases                                                       | 1,047                  | 56.4  |
| I60                       | Subarachnoid Hemorrhage                                                        | 42                     | 2.3   |
| I61                       | Intracerebral Hemorrhage                                                       | 105                    | 5.7   |
| I62                       | Other Nontraumatic Intracranial Hemorrhage                                     | 82                     | 4.4   |
| I63                       | Cerebral Infarction                                                            | 46                     | 2.5   |
| I64                       | Stroke, Not Specified as Hemorrhage or Infarction                              | 644                    | 34.7  |
| I67                       | Other Cerebrovascular Diseases                                                 | 68                     | 3.7   |
| I69                       | Sequelae of Cerebrovascular Disease                                            | 60                     | 3.2   |
| I70-I79                   | Diseases of Arteries, Arterioles and Capillaries                               | 210                    | 11.3  |
| I70                       | Atherosclerosis                                                                | 63                     | 3.4   |
| I71                       | Aortic Aneurysm and Dissection                                                 | 81                     | 4.4   |
| I72                       | Other Aneurysm                                                                 | 5                      | 0.3   |
| I73                       | Other Peripheral Vascular Diseases                                             | 44                     | 2.4   |
| I74                       | Arterial Embolism and Thrombosis                                               | 9                      | 0.5   |
| I77                       | Other Disorders of Arteries and Arterioles                                     | 7                      | 0.4   |
| I78                       | Diseases of Capillaries                                                        | 1                      | 0.1   |
| I80-I89                   | Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified | 45                     | 2.4   |
| I80                       | Phlebitis and Thrombophlebitis                                                 | 35                     | 1.9   |
| I81                       | Portal Vein Thrombosis                                                         | 1                      | 0.1   |
| I82                       | Other Venous Embolism and Thrombosis                                           | 3                      | 0.2   |
| I83                       | Varicose Veins of Lower Extremities                                            | 1                      | 0.1   |
| I85                       | Esophageal Varices                                                             | 3                      | 0.2   |
| I87                       | Other Disorders of Veins                                                       | 1                      | 0.1   |
| I89                       | Other Noninfective Disorders of Lymphatic Vessels and Lymph Nodes              | 1                      | 0.1   |
| I95-I99                   | Other and Unspecified Disorders of the Circulatory System                      | 3                      | 0.2   |
| I95                       | Hypotension                                                                    | 2                      | 0.1   |
| I99                       | Other and Unspecified Disorders of Circulatory System                          | 1                      | 0.1   |
| J00-J99                   | Diseases of the Respiratory System                                             | 2,506                  | 135.1 |
| 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                                                        | 455                    | 24.5  |
| J09                       | Influenza due to Identified Avian Influenza Virus                              | 3                      | 0.2   |
| J10                       | Influenza due to Identified Influenza Virus                                    | 11                     | 0.6   |
| J11                       | Influenza, Virus Not Identified                                                | 11                     | 0.6   |
| J13                       | Pneumonia due to Streptococcus Pneumoniae                                      | 2                      | 0.1   |
| J15                       | Bacterial Pneumonia, Not Elsewhere Classified                                  | 14                     | 0.8   |
| J18                       | Pneumonia, Organism Unspecified                                                | 414                    | 22.3  |
| J20-J22                   | Other Acute Lower Respiratory Infections                                       | 3                      | 0.2   |
| J20                       | Acute Bronchitis                                                               | 2                      | 0.1   |
| J22                       | Unspecified Acute Lower Respiratory Infection                                  | 1                      | 0.1   |
| J30-J39                   | Other Diseases of Upper Respiratory Tract                                      | 4                      | 0.2   |
| J30                       | Vasomotor and Allergic Rhinitis                                                | 1                      | 0.1   |
| J38                       | Diseases of Vocal Cords and Larynx, Not Elsewhere Classified                   | 1                      | 0.1   |
| J39                       | Other Diseases of Upper Respiratory Tract                                      | 2                      | 0.1   |
| J40-J47                   | Chronic Lower Respiratory Diseases                                             | 1,572                  | 84.7  |
| J40                       | Bronchitis, Not Specified as Acute or Chronic                                  | 8                      | 0.4   |
| J42                       | Unspecified Chronic Bronchitis                                                 | 2                      | 0.1   |
| J43                       | Emphysema                                                                      | 82                     | 4.4   |
| J44                       | Other Chronic Obstructive Pulmonary Disease                                    | 1,453                  | 78.3  |
| J45                       | Asthma                                                                         | 22                     | 1.2   |

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

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Table 24 (Cont'd)

| ICDA-10<br>Code<br>Number | Cause of Death                                                    | Number<br>of<br>Deaths | Rate |
|---------------------------|-------------------------------------------------------------------|------------------------|------|
| J47                       | Bronchiectasis                                                    | 5                      | 0.3  |
| J60-J70                   | Lung Diseases due to External Agents                              | 186                    | 10.0 |
| J60                       | Coalworker's Pneumoconiosis                                       | 36                     | 1.9  |
| J61                       | Pneumoconiosis due to Asbestos and Other Mineral Fibers           | 8                      | 0.4  |
| J62                       | Pneumoconiosis due to Dust Containing Silica                      | 4                      | 0.2  |
| J64                       | Unspecified Pneumoconiosis                                        | 17                     | 0.9  |
| J69                       | Pneumonitis due to Solids and Liquids                             | 121                    | 6.5  |
| J80-J84                   | Other Respiratory Diseases Principally Affecting the Interstitium | 133                    | 7.2  |
| J80                       | Adult Respiratory Distress Syndrome                               | 17                     | 0.9  |
| J81                       | Pulmonary Edema                                                   | 6                      | 0.3  |
| J82                       | Pulmonary Eosinophilia, Not Elsewhere Classified                  | 1                      | 0.1  |
| J84                       | Other Interstitial Pulmonary Diseases                             | 109                    | 5.9  |
| J85-J86                   | Supportive and Necrotic Conditions of Lower Respiratory Tract     | 5                      | 0.3  |
| J85                       | Abscess of Lung and Mediastinum                                   | 2                      | 0.1  |
| J86                       | Pyothorax                                                         | 3                      | 0.2  |
| J90-J94                   | Other Diseases of Pleura                                          | 19                     | 1.0  |
| J90                       | Pleural Effusion, Not Elsewhere Classified                        | 12                     | 0.6  |
| J92                       | Pleural Plaque                                                    | 1                      | 0.1  |
| J93                       | Pneumothorax                                                      | 6                      | 0.3  |
| J95-J99                   | Other Diseases of the Respiratory System                          | 128                    | 6.9  |
| J96                       | Respiratory Failure, Not Elsewhere Classified                     | 78                     | 4.2  |
| J98                       | Other Respiratory Disorders                                       | 50                     | 2.7  |
| K00-K93                   | Diseases of the Digestive System                                  | 857                    | 46.2 |
| K00-K14                   | Diseases of Oral Cavity, Salivary Glands and Jaws                 | 2                      | 0.1  |
| K08                       | Other Disorders of Teeth and Supporting Structures                | 2                      | 0.1  |
| K20-K31                   | Diseases of Esophagus, Stomach and Duodenum                       | 45                     | 2.4  |
| K20                       | Esophagitis                                                       | 1                      | 0.1  |
| K21                       | Gastro-esophageal Reflux Disease                                  | 5                      | 0.3  |
| K22                       | Other Diseases of Esophagus                                       | 10                     | 0.5  |
| K25                       | Gastric Ulcer                                                     | 16                     | 0.9  |
| K26                       | Duodenal Ulcer                                                    | 3                      | 0.2  |
| K27                       | Peptic Ulcer, Site Unspecified                                    | 5                      | 0.3  |
| K28                       | Gastrojejunal Ulcer                                               | 1                      | 0.1  |
| K29                       | Gastritis and Duodenitis                                          | 1                      | 0.1  |
| K31                       | Other Diseases of Stomach and Duodenum                            | 3                      | 0.2  |
| K35-K38                   | Diseases of Appendix                                              | 1                      | 0.1  |
| K35                       | Acute Appendicitis                                                | 1                      | 0.1  |
| K40-K46                   | Hernia                                                            | 16                     | 0.9  |
| K40                       | Inguinal Hernia                                                   | 3                      | 0.2  |
| K41                       | Femoral Hernia                                                    | 1                      | 0.1  |
| K42                       | Umbilical Hernia                                                  | 1                      | 0.1  |
| K43                       | Ventral Hernia                                                    | 3                      | 0.2  |
| K44                       | Diaphragmatic Hernia                                              | 3                      | 0.2  |
| K46                       | Unspecified Abdominal Hernia                                      | 5                      | 0.3  |
| K50-K52                   | Noninfective Enteritis and Colitis                                | 14                     | 0.8  |
| K50                       | Crohn's Disease [Regional Enteritis]                              | 9                      | 0.5  |
| K51                       | Ulcerative Colitis                                                | 4                      | 0.2  |
| K52                       | Other Noninfective Gastroenteritis and Colitis                    | 1                      | 0.1  |
| K55-K63                   | Other Diseases of Intestines                                      | 190                    | 10.2 |
| K55                       | Vascular Disorders of Intestine                                   | 80                     | 4.3  |
| K56                       | Paralytic Ileus and Intestinal Obstruction without Hernia         | 40                     | 2.2  |
| K57                       | Diverticular Disease of Intestine                                 | 24                     | 1.3  |
| K59                       | Other Functional Intestinal Disorders                             | 8                      | 0.4  |
| K60                       | Fissure and Fistula of Anal and Rectal Regions                    | 1                      | 0.1  |
| K61                       | Abscess of Anal and Rectal Regions                                | 3                      | 0.2  |
| K62                       | Other Diseases of Anus and Rectum                                 | 2                      | 0.1  |
| K63                       | Other Diseases of Intestine                                       | 32                     | 1.7  |
| K65-K67                   | Diseases of Peritoneum                                            | 19                     | 1.0  |
| K65                       | Peritonitis                                                       | 14                     | 0.8  |
| K66                       | Other Disorders of Peritoneum                                     | 5                      | 0.3  |
| K70-K77                   | Diseases of Liver                                                 | 410                    | 22.1 |

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Table 24 (Cont'd)

| ICDA-10<br>Code<br>Number | Cause of Death                                                            | Number<br>of<br>Deaths | Rate |
|---------------------------|---------------------------------------------------------------------------|------------------------|------|
| K70                       | Alcoholic Liver Disease                                                   | 108                    | 5.8  |
| K72                       | Hepatic Failure, Not Elsewhere Classified                                 | 51                     | 2.7  |
| K74                       | Fibrosis and Cirrhosis of Liver                                           | 169                    | 9.1  |
| K75                       | Other Inflammatory Liver Diseases                                         | 6                      | 0.3  |
| K76                       | Other Diseases of Liver                                                   | 76                     | 4.1  |
| K80-K87                   | Disorders of Gallbladder, Biliary Tract and Pancreas                      | 75                     | 4.0  |
| K80                       | Chololithiasis                                                            | 5                      | 0.3  |
| K81                       | Cholecystitis                                                             | 18                     | 1.0  |
| K82                       | Other Diseases of Gallbladder                                             | 5                      | 0.3  |
| K83                       | Other Diseases of Biliary Tract                                           | 8                      | 0.4  |
| K85                       | Acute Pancreatitis                                                        | 31                     | 1.7  |
| K86                       | Other Diseases of Pancreas                                                | 8                      | 0.4  |
| K90-K93                   | Other Diseases of the Digestive System                                    | 85                     | 4.6  |
| K90                       | Intestinal Malabsorption                                                  | 4                      | 0.2  |
| K92                       | Other Diseases of Digestive System                                        | 81                     | 4.4  |
| L00-L99                   | Diseases of the Skin and Subcutaneous Tissue                              | 34                     | 1.8  |
| L00-L08                   | Infections of the Skin and Subcutaneous Tissue                            | 13                     | 0.7  |
| L02                       | Cutaneous Abscess, Furuncle and Carbuncle                                 | 1                      | 0.1  |
| L03                       | Cellulitis                                                                | 9                      | 0.5  |
| L08                       | Other Local Infections of Skin and Subcutaneous Tissue                    | 3                      | 0.2  |
| L10-L14                   | Bullous Disorders                                                         | 2                      | 0.1  |
| L10                       | Pemphigus                                                                 | 1                      | 0.1  |
| L12                       | Pemphigoid                                                                | 1                      | 0.1  |
| L50-L54                   | Urticaria and Erythema                                                    | 1                      | 0.1  |
| L51                       | Erythema Multiforme                                                       | 1                      | 0.1  |
| L80-L99                   | Other Disorders of the Skin and Subcutaneous Tissue                       | 18                     | 1.0  |
| L89                       | Decubitus Ulcer                                                           | 14                     | 0.8  |
| L97                       | Ulcer of Lower Limb, Not Elsewhere Classified                             | 2                      | 0.1  |
| L98                       | Other Disorders of Skin and Subcutaneous Tissue, Not Elsewhere Classified | 2                      | 0.1  |
| M00-M99                   | Diseases of the Musculoskeletal System and Connective Tissue              | 102                    | 5.5  |
| M00-M25                   | Arthropathies                                                             | 42                     | 2.3  |
| M00-M03                   | Infectious Arthropathies                                                  | 5                      | 0.3  |
| M00                       | Pyogenic Arthritis                                                        | 5                      | 0.3  |
| M05-M14                   | Inflammatory Polyarthropathies                                            | 27                     | 1.5  |
| M05                       | Seropositive Rheumatoid Arthritis                                         | 3                      | 0.2  |
| M06                       | Other Rheumatoid Arthritis                                                | 22                     | 1.2  |
| M10                       | Gout                                                                      | 1                      | 0.1  |
| M13                       | Other Arthritis                                                           | 1                      | 0.1  |
| M15-M19                   | Arthrosis                                                                 | 7                      | 0.4  |
| M19                       | Other Arthrosis                                                           | 7                      | 0.4  |
| M20-M25                   | Other Joint Disorders                                                     | 3                      | 0.2  |
| M25                       | Other Joint Disorders, Not Elsewhere Classified                           | 3                      | 0.2  |
| M30-M36                   | Systemic Connective Tissue Disorders                                      | 25                     | 1.3  |
| M30                       | Polyarteritis Nodosa and Related Conditions                               | 2                      | 0.1  |
| M31                       | Other Necrotizing Vasculopathies                                          | 9                      | 0.5  |
| M32                       | Systemic Lupus Erythematosus                                              | 8                      | 0.4  |
| M34                       | Systemic Sclerosis                                                        | 1                      | 0.1  |
| M35                       | Other Systemic Involvement of Connective Tissue                           | 5                      | 0.3  |
| M40-M54                   | Dorsopathies                                                              | 10                     | 0.5  |
| M40-M43                   | Deforming Dorsopathies                                                    | 2                      | 0.1  |
| M41                       | Scoliosis                                                                 | 2                      | 0.1  |
| M45-M49                   | Spondylopathies                                                           | 5                      | 0.3  |
| M46                       | Other Inflammatory Spondylopathies                                        | 2                      | 0.1  |
| M47                       | Spondylosis                                                               | 1                      | 0.1  |
| M48                       | Other Spondylopathies                                                     | 2                      | 0.1  |
| M50-M54                   | Other Dorsopathies                                                        | 3                      | 0.2  |
| M51                       | Other Intervertebral Disc Disorders                                       | 1                      | 0.1  |
| M54                       | Dorsalgia                                                                 | 2                      | 0.1  |
| M60-M79                   | Soft Tissue Disorders                                                     | 8                      | 0.4  |
| M60-M63                   | Disorders of Muscles                                                      | 7                      | 0.4  |

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**Table 24 (Cont'd)**

| ICDA-10<br>Code<br>Number | Cause of Death                                                                                       | Number<br>of<br>Deaths | Rate |
|---------------------------|------------------------------------------------------------------------------------------------------|------------------------|------|
| M62                       | Other Disorders of Muscle                                                                            | 7                      | 0.4  |
| M70-M79                   | Other Soft Tissue Disorders                                                                          | 1                      | 0.1  |
| M72                       | Fibroblastic Disorders                                                                               | 1                      | 0.1  |
| M80-M94                   | Osteopathies and Chondropathies                                                                      | 17                     | 0.9  |
| M80-M85                   | Disorders of Bone Density and Structure                                                              | 9                      | 0.5  |
| M80                       | Osteoporosis with Pathological Fracture                                                              | 1                      | 0.1  |
| M81                       | Osteoporosis without Pathological Fracture                                                           | 6                      | 0.3  |
| M84                       | Disorders of Continuity of Bone                                                                      | 2                      | 0.1  |
| M86-M90                   | Other Osteopathies                                                                                   | 8                      | 0.4  |
| M86                       | Osteomyelitis                                                                                        | 8                      | 0.4  |
| N00-N99                   | Diseases of the Genitourinary System                                                                 | 579                    | 31.2 |
| N00-N08                   | Glomerular Diseases                                                                                  | 5                      | 0.3  |
| N00                       | Acute Nephritic Syndrome                                                                             | 3                      | 0.2  |
| N01                       | Rapidly Progressive Nephritic Syndrome                                                               | 1                      | 0.1  |
| N03                       | Chronic Nephrotic Syndrome                                                                           | 1                      | 0.1  |
| N10-N16                   | Renal Tubulo-Interstitial Diseases                                                                   | 5                      | 0.3  |
| N10                       | Acute Tubulo-Interstitial Nephritis                                                                  | 1                      | 0.1  |
| N12                       | Tubulo-Interstitial Nephritis, Not Specified as Acute or Chronic                                     | 2                      | 0.1  |
| N13                       | Obstructive and Reflux Uropathy                                                                      | 1                      | 0.1  |
| N15                       | Other Renal Tubulo-Interstitial Diseases                                                             | 1                      | 0.1  |
| N17-N19                   | Renal Failure                                                                                        | 439                    | 23.7 |
| N17                       | Acute Renal Failure                                                                                  | 67                     | 3.6  |
| N18                       | Chronic Renal Failure                                                                                | 239                    | 12.9 |
| N19                       | Unspecified Renal Failure                                                                            | 133                    | 7.2  |
| N20-N23                   | Urolithiasis                                                                                         | 1                      | 0.1  |
| N20                       | Calculus of Kidney and Ureter                                                                        | 1                      | 0.1  |
| N25-N29                   | Other Disorders of Kidney and Ureter                                                                 | 11                     | 0.6  |
| N28                       | Other Disorders of Kidney and Ureter, Not Elsewhere Classified                                       | 11                     | 0.6  |
| N30-N39                   | Other Diseases of the Urinary System                                                                 | 107                    | 5.8  |
| N30                       | Cystitis                                                                                             | 2                      | 0.1  |
| N31                       | Neuromuscular Dysfunction of Bladder, Not Elsewhere Classified                                       | 1                      | 0.1  |
| N32                       | Other Disorders of Bladder                                                                           | 3                      | 0.2  |
| N36                       | Other Disorders of Urethra                                                                           | 1                      | 0.1  |
| N39                       | Other Disorders of Urinary System                                                                    | 100                    | 5.4  |
| N40-N51                   | Diseases of Male Genital Organs                                                                      | 7                      | 0.4  |
| N40                       | Hyperplasia of Prostate                                                                              | 5                      | 0.3  |
| N48                       | Other Disorders of Penis                                                                             | 1                      | 0.1  |
| N49                       | Inflammatory Disorders of Male Genital Organs, Not Elsewhere Classified                              | 1                      | 0.1  |
| N60-N64                   | Disorders of Breast                                                                                  | 1                      | 0.1  |
| N61                       | Inflammatory Disorders of Breast                                                                     | 1                      | 0.1  |
| N80-N98                   | Noninflammatory Disorders of Female Genital Tract                                                    | 3                      | 0.2  |
| N82                       | Fistula Involving Female Genital Tract                                                               | 2                      | 0.1  |
| N93                       | Other Abnormal Uterine and Vaginal Bleeding                                                          | 1                      | 0.1  |
| P00-P96                   | Certain Conditions Originating in the Perinatal Period                                               | 57                     | 3.1  |
| P00-P04                   | Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery | 10                     | 0.5  |
| P00                       | Fetus and Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy         | 1                      | 0.1  |
| P01                       | Fetus and Newborn Affected by Maternal Complications of Pregnancy                                    | 5                      | 0.3  |
| P02                       | Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes                          | 4                      | 0.2  |
| P05-P08                   | Disorders Related to Length of Gestation and Fetal Growth                                            | 17                     | 0.9  |
| P07                       | Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified                   | 17                     | 0.9  |
| P20-P29                   | Respiratory and Cardiovascular Disorders Specific to the Perinatal Period                            | 18                     | 1.0  |
| P22                       | Respiratory Distress of Newborn                                                                      | 7                      | 0.4  |
| P25                       | Interstitial Emphysema and Related Conditions Originating in the Perinatal Period                    | 1                      | 0.1  |
| P27                       | Chronic Respiratory Disease Originating in the Perinatal Period                                      | 2                      | 0.1  |
| P28                       | Other Respiratory Conditions Originating in the Perinatal Period                                     | 4                      | 0.2  |
| P29                       | Cardiovascular Disorders Originating in the Perinatal Period                                         | 4                      | 0.2  |
| P35-P39                   | Infections Specific to the Perinatal Period                                                          | 3                      | 0.2  |
| P36                       | Bacterial Sepsis of Newborn                                                                          | 3                      | 0.2  |
| P50-P61                   | Hemorrhagic and Hematological Disorders of Fetus and Newborn                                         | 3                      | 0.2  |
| P50                       | Fetal Blood Loss                                                                                     | 1                      | 0.1  |
| P52                       | Intracranial Nontraumatic Hemorrhage of Fetus and Newborn                                            | 2                      | 0.1  |

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

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| ICDA-10<br>Code<br>Number | Cause of Death                                                                          | Number<br>of<br>Deaths | Rate |
|---------------------------|-----------------------------------------------------------------------------------------|------------------------|------|
| P70-P74                   | Transitory Endocrine and Metabolic Disorders Specific to Fetus and Newborn              | 1                      | 0.1  |
| P70                       | Transitory Disorders of Carbohydrate Metabolism Specific to Fetus and Newborn           | 1                      | 0.1  |
| P75-P78                   | Digestive System Disorders of Fetus and Newborn                                         | 1                      | 0.1  |
| P77                       | Necrotizing Enterocolitis of Fetus and Newborn                                          | 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                                     | 2                      | 0.1  |
| P91                       | Other Disturbances of Cerebral Status of Newborn                                        | 1                      | 0.1  |
| P96                       | Other Conditions Originating in the Perinatal Period                                    | 1                      | 0.1  |
| Q00-Q99                   | Congenital Malformations, Deformations and Chromosomal Abnormalities                    | 78                     | 4.2  |
| Q00-Q07                   | Congenital Malformations of the Nervous System                                          | 15                     | 0.8  |
| Q00                       | Anencephaly and Similar Malformations                                                   | 2                      | 0.1  |
| Q03                       | Congenital Hydrocephalus                                                                | 1                      | 0.1  |
| Q04                       | Other Congenital Malformations of Brain                                                 | 7                      | 0.4  |
| Q05                       | Spina Bifida                                                                            | 4                      | 0.2  |
| Q07                       | Other Congenital Malformations of Nervous System                                        | 1                      | 0.1  |
| Q10-Q18                   | Congenital Malformations of Eye, Ear, Face and Neck                                     | 1                      | 0.1  |
| Q18                       | Other Congenital Malformations of Face and Neck                                         | 1                      | 0.1  |
| Q20-Q28                   | Congenital Malformations of the Circulatory System                                      | 26                     | 1.4  |
| Q20                       | Congenital Malformations of Cardiac Chambers and Connections                            | 3                      | 0.2  |
| 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                                    | 6                      | 0.3  |
| Q24                       | Other Congenital Malformations of the Heart                                             | 7                      | 0.4  |
| Q25                       | Congenital Malformations of Great Arteries                                              | 1                      | 0.1  |
| Q27                       | Other Congenital Malformations of Peripheral Vascular System                            | 2                      | 0.1  |
| Q30-Q34                   | Congenital Malformations of the Respiratory System                                      | 4                      | 0.2  |
| Q30                       | Congenital Malformations of Nose                                                        | 1                      | 0.1  |
| Q33                       | Congenital Malformations of Lung                                                        | 3                      | 0.2  |
| Q60-Q64                   | Congenital Malformations of the Urinary System                                          | 10                     | 0.5  |
| Q60                       | Renal Agenesis and Other Reduction Defects of Kidney                                    | 4                      | 0.2  |
| Q61                       | Cystic Kidney Disease                                                                   | 5                      | 0.3  |
| Q63                       | Other Congenital Malformations of Kidney                                                | 1                      | 0.1  |
| Q65-Q79                   | Congenital Malformations and Deformations of the Musculoskeletal System                 | 5                      | 0.3  |
| Q67                       | Congenital Musculoskeletal Deformities of Head, Face, Spine and Chest                   | 1                      | 0.1  |
| Q77                       | Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine                 | 1                      | 0.1  |
| Q79                       | Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified            | 3                      | 0.2  |
| Q80-Q89                   | Other Congenital Malformations                                                          | 8                      | 0.4  |
| Q81                       | Epidermolysis Bullosa                                                                   | 1                      | 0.1  |
| Q82                       | Other Congenital Malformations of Skin                                                  | 2                      | 0.1  |
| Q85                       | Phakomatoses, Not Elsewhere Classified                                                  | 1                      | 0.1  |
| Q87                       | Other Specified Congenital Malformation Syndromes Affecting Multiple Systems            | 2                      | 0.1  |
| Q89                       | Other Congenital Malformations, Not Elsewhere Classified                                | 2                      | 0.1  |
| Q90-Q99                   | Chromosomal Abnormalities, Not Elsewhere Classified                                     | 9                      | 0.5  |
| Q90                       | Down's Syndrome                                                                         | 5                      | 0.3  |
| Q91                       | Edwards' Syndrome and Patau's Syndrome                                                  | 4                      | 0.2  |
| R00-R99                   | Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified | 461                    | 24.8 |
| R00-R09                   | Symptoms and Signs Involving the Circulatory and Respiratory Systems                    | 30                     | 1.6  |
| R06                       | Abnormalities of Breathing                                                              | 5                      | 0.3  |
| R09                       | Other Symptoms and Signs Involving the Circulatory and Respiratory Systems              | 25                     | 1.3  |
| R10-R19                   | Symptoms and Signs Involving the Digestive System and Abdomen                           | 4                      | 0.2  |
| R13                       | Dysphagia                                                                               | 1                      | 0.1  |
| R18                       | Ascites                                                                                 | 1                      | 0.1  |
| R19                       | Other Symptoms and Signs Involving the Digestive System and Abdomen                     | 2                      | 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  |
| R40-R46                   | Symptoms and Signs Involving Cognition, Perception, Emotional State and Behavior        | 1                      | 0.1  |
| R42                       | Dizziness and Giddiness                                                                 | 1                      | 0.1  |
| R50-R69                   | General Symptoms and Signs                                                              | 162                    | 8.7  |
| R53                       | Malaise and Fatigue                                                                     | 18                     | 1.0  |

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**West Virginia, 2011**  
**Table 24 (Cont'd)**

| ICDA-10<br>Code<br>Number | Cause of Death                                                                               | Number<br>of<br>Deaths | Rate  |
|---------------------------|----------------------------------------------------------------------------------------------|------------------------|-------|
| R54                       | Senility                                                                                     | 46                     | 2.5   |
| R56                       | Convulsions, Not Elsewhere Classified                                                        | 8                      | 0.4   |
| R57                       | Shock, Not Elsewhere Classified                                                              | 10                     | 0.5   |
| R58                       | Hemorrhage, Not Elsewhere Classified                                                         | 8                      | 0.4   |
| R62                       | Lack of Expected Normal Physiological Development                                            | 56                     | 3.0   |
| R64                       | Cachexia                                                                                     | 1                      | 0.1   |
| R68                       | Other General Symptoms and Signs                                                             | 15                     | 0.8   |
| R90-R94                   | Abnormal Findings on Diagnostic Imaging and in Function Studies, without Diagnosis           | 5                      | 0.3   |
| R91                       | Abnormal Findings on Diagnostic Imaging of Lung                                              | 5                      | 0.3   |
| R95-R99                   | Ill-Defined and Unknown Causes of Mortality                                                  | 258                    | 13.9  |
| R95                       | Sudden Infant Death Syndrome                                                                 | 24                     | 1.3   |
| R96                       | Other Sudden Death, Cause Unknown                                                            | 20                     | 1.1   |
| R99                       | Other Ill-Defined and Unspecified Causes of Mortality                                        | 214                    | 11.5  |
| V01-Y98                   | External Causes of Morbidity and Mortality                                                   | 1,968                  | 106.1 |
| V01-V99                   | Transport Accidents                                                                          | 393                    | 21.2  |
| V01-V09                   | Pedestrian Injured in Transport Accident                                                     | 34                     | 1.8   |
| V02                       | Pedestrian Injured in Collision with Two- or Three-Wheeled Motor Vehicle                     | 1                      | 0.1   |
| V03                       | Pedestrian Injured in Collision with Car, Pickup Truck or Van                                | 11                     | 0.6   |
| V05                       | Pedestrian Injured in Collision with Railway Train or Railway Vehicle                        | 6                      | 0.3   |
| V09                       | Pedestrian Injured in Other and Unspecified Transport Accidents                              | 16                     | 0.9   |
| V10-V19                   | Pedal Cyclist Injured in Transport Accident                                                  | 1                      | 0.1   |
| V18                       | Pedal Cyclist Injured in Noncollision Transport Accident                                     | 1                      | 0.1   |
| V20-V29                   | Motorcycle Rider Injured in Transport Accident                                               | 30                     | 1.6   |
| V20                       | Motorcycle Rider Injured in Collision with Pedestrian or Animal                              | 1                      | 0.1   |
| V23                       | Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van                          | 7                      | 0.4   |
| V27                       | Motorcycle Rider Injured in Collision with Fixed or Stationary Object                        | 5                      | 0.3   |
| V28                       | Motorcycle Rider Injured in Noncollision Transport Accident                                  | 3                      | 0.2   |
| V29                       | Motorcycle Rider Injured in Other and Unspecified Transport Accidents                        | 14                     | 0.8   |
| V40-V49                   | Car Occupant Injured in Transport Accident                                                   | 37                     | 2.0   |
| V43                       | Car Occupant Injured in Collision with Car, Pickup Truck or Van                              | 8                      | 0.4   |
| V44                       | Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus                        | 1                      | 0.1   |
| V45                       | Car Occupant Injured in Collision with Railway Train or Railway Vehicle                      | 1                      | 0.1   |
| V47                       | Car Occupant Injured in Collision with Fixed or Stationary Object                            | 6                      | 0.3   |
| V48                       | Car Occupant Injured in Noncollision Transport Accident                                      | 7                      | 0.4   |
| V49                       | Car Occupant Injured in Other and Unspecified Transport Accidents                            | 14                     | 0.8   |
| V50-V59                   | Occupant of Pickup or Van Injured in Transport Accident                                      | 13                     | 0.7   |
| V53                       | Occupant of Pickup or Van Injured in Collision with Car, Pickup Truck or Van                 | 1                      | 0.1   |
| 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                         | 5                      | 0.3   |
| V59                       | Occupant of Pickup or Van Injured in Other and Unspecified Transport Accidents               | 5                      | 0.3   |
| V60-V69                   | Occupant of Heavy Transport Vehicle Injured in Transport Accident                            | 1                      | 0.1   |
| V68                       | Occupant of Heavy Transport Vehicle Injured in Noncollision Transport Accident               | 1                      | 0.1   |
| V80-V89                   | Other Land Transport Accidents                                                               | 270                    | 14.6  |
| V80                       | Animal Rider or Occupant of Animal-Drawn Vehicle Injured in Transport Accident               | 1                      | 0.1   |
| V86                       | Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident | 32                     | 1.7   |
| V87                       | Traffic Accident of Specified Type but Victim's Mode of Transport Unknown                    | 82                     | 4.4   |
| V89                       | Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified                             | 155                    | 8.4   |
| V90-V94                   | Water Transport Accidents                                                                    | 6                      | 0.3   |
| V90                       | Accident to Watercraft Causing Drowning and Submersion                                       | 3                      | 0.2   |
| V91                       | Accident to Watercraft Causing Other Injury                                                  | 1                      | 0.1   |
| V92                       | Water-Transport-Related Drowning and Submersion without Accident to Watercraft               | 2                      | 0.1   |
| V95-V97                   | Air and Space Transport Accidents                                                            | 1                      | 0.1   |
| V95                       | Accident to Powered Aircraft Causing Injury to Occupant                                      | 1                      | 0.1   |
| W00-X59                   | Other External Causes of Accidental Injury                                                   | 1,034                  | 55.7  |
| W00-W19                   | Falls                                                                                        | 225                    | 12.1  |
| W00                       | Fall on Same Level Involving Ice and Snow                                                    | 2                      | 0.1   |
| W01                       | Fall on Same Level from Slipping, Tripping and Stumbling                                     | 8                      | 0.4   |
| W05                       | Fall Involving Wheelchair                                                                    | 3                      | 0.2   |
| W06                       | Fall Involving Bed                                                                           | 10                     | 0.5   |
| W07                       | Fall Involving Chair                                                                         | 5                      | 0.3   |

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

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**Causes of Resident Deaths: Number and Rate**  
**West Virginia, 2011**  
**Table 24 (Cont'd)**

| ICDA-10<br>Code<br>Number | Cause of Death                                                                                          | Number<br>of<br>Deaths | Rate |
|---------------------------|---------------------------------------------------------------------------------------------------------|------------------------|------|
| W08                       | Fall Involving Other Furniture                                                                          | 1                      | 0.1  |
| W10                       | Fall on and from Stairs and Steps                                                                       | 27                     | 1.5  |
| W11                       | Fall on and from Ladder                                                                                 | 4                      | 0.2  |
| W13                       | Fall from, out of or through Building or Structure                                                      | 8                      | 0.4  |
| W15                       | Fall from Cliff                                                                                         | 1                      | 0.1  |
| W17                       | Other Fall from One Level to Another                                                                    | 5                      | 0.3  |
| W18                       | Other Fall on Same Level                                                                                | 101                    | 5.4  |
| W19                       | Unspecified Fall                                                                                        | 50                     | 2.7  |
| W20-W49                   | Exposure to Inanimate Mechanical Forces                                                                 | 39                     | 2.1  |
| W20                       | Struck by Thrown, Projected or Falling Object                                                           | 12                     | 0.6  |
| W23                       | Caught, Crushed, Jammed or Pinched in or between Objects                                                | 2                      | 0.1  |
| W24                       | Contact with Lifting and Transmission Devices, Not Elsewhere Classified                                 | 1                      | 0.1  |
| W28                       | Contact with Powered Lawnmower                                                                          | 3                      | 0.2  |
| W30                       | Contact with Agricultural Machinery                                                                     | 7                      | 0.4  |
| W31                       | Contact with Other and Unspecified Machinery                                                            | 4                      | 0.2  |
| W32                       | Handgun Discharge                                                                                       | 1                      | 0.1  |
| W34                       | Discharge from Other and Unspecified Firearms                                                           | 7                      | 0.4  |
| W40                       | Explosion of Other Materials                                                                            | 2                      | 0.1  |
| W65-W74                   | Accidental Drowning and Submersion                                                                      | 24                     | 1.3  |
| W66                       | Drowning and Submersion Following Fall in Bath Tub                                                      | 1                      | 0.1  |
| W69                       | Drowning and Submersion while in Natural Water                                                          | 15                     | 0.8  |
| W70                       | Drowning and Submersion Following Fall in Natural Water                                                 | 1                      | 0.1  |
| W73                       | Other Specified Drowning and Submersion                                                                 | 1                      | 0.1  |
| W74                       | Unspecified Drowning and Submersion                                                                     | 6                      | 0.3  |
| W75-W84                   | Other Accidental Threats to Breathing                                                                   | 61                     | 3.3  |
| W75                       | Accidental Suffocation and Strangulation in Bed                                                         | 2                      | 0.1  |
| W76                       | Other Accidental Hanging and Strangulation                                                              | 2                      | 0.1  |
| W78                       | Inhalation of Gastric Contents                                                                          | 2                      | 0.1  |
| W79                       | Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract                               | 4                      | 0.2  |
| W80                       | Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract                      | 48                     | 2.6  |
| W83                       | Other Specified Threats to Breathing                                                                    | 2                      | 0.1  |
| W84                       | Unspecified Threat to Breathing                                                                         | 1                      | 0.1  |
| W85-W99                   | Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure                | 4                      | 0.2  |
| W85                       | Exposure to Electric Transmission Lines                                                                 | 2                      | 0.1  |
| W87                       | Exposure to Unspecified Electric Current                                                                | 2                      | 0.1  |
| X00-X09                   | Exposure to Smoke, Fire and Flames                                                                      | 24                     | 1.3  |
| X00                       | Exposure to Uncontrolled Fire in Building or Structure                                                  | 10                     | 0.5  |
| X03                       | Exposure to Controlled Fire, Not in Building or Structure                                               | 1                      | 0.1  |
| X06                       | Exposure to Ignition or Melting of Other Clothing and Apparel                                           | 3                      | 0.2  |
| X09                       | Exposure to Unspecified Smoke, Fire and Flames                                                          | 10                     | 0.5  |
| 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                                                                      | 3                      | 0.2  |
| X31                       | Exposure to Excessive Natural Cold                                                                      | 14                     | 0.8  |
| X40-X49                   | Accidental Poisoning by and Exposure to Noxious Substances                                              | 603                    | 32.5 |
| X40                       | Accidental Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics                           | 3                      | 0.2  |
| X41                       | Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs       | 24                     | 1.3  |
| X42                       | Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified        | 125                    | 6.7  |
| X44                       | Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances              | 428                    | 23.1 |
| X45                       | Accidental Poisoning by Alcohol                                                                         | 14                     | 0.8  |
| X46                       | Accidental Poisoning by Organic Solvents and Halogenated Hydrocarbons and Their Vapors                  | 2                      | 0.1  |
| X47                       | Accidental Poisoning by Other Gases and Vapors                                                          | 6                      | 0.3  |
| X49                       | Accidental Poisoning by Other and Unspecified Chemicals and Noxious Substances                          | 1                      | 0.1  |
| X58-X59                   | Accidental Exposure to Other and Unspecified Factors                                                    | 34                     | 1.8  |
| X59                       | Exposure to Unspecified Factors                                                                         | 34                     | 1.8  |
| X60-X84                   | Intentional Self-Harm                                                                                   | 309                    | 16.7 |
| X60                       | Intentional Self-Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics                     | 2                      | 0.1  |
| X61                       | Intentional Self-Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs | 7                      | 0.4  |
| X62                       | Intentional Self-Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified  | 2                      | 0.1  |

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

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Causes of Resident Deaths: Number and Rate  
West Virginia, 2011  
Table 24 (Cont'd)

| ICDA-10<br>Code<br>Number | Cause of Death                                                                                              | Number<br>of<br>Deaths | Rate |
|---------------------------|-------------------------------------------------------------------------------------------------------------|------------------------|------|
| X64                       | Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances            | 20                     | 1.1  |
| X67                       | Intentional Self-Poisoning by Other Gases and Vapors                                                        | 7                      | 0.4  |
| X70                       | Intentional Self-Harm by Hanging, Strangulation and Suffocation                                             | 56                     | 3.0  |
| X71                       | Intentional Self-Harm by Drowning and Submersion                                                            | 2                      | 0.1  |
| X72                       | Intentional Self-Harm by Handgun Discharge                                                                  | 85                     | 4.6  |
| X73                       | Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge                                        | 44                     | 2.4  |
| X74                       | Intentional Self-Harm by Other and Unspecified Firearm Discharge                                            | 71                     | 3.8  |
| X76                       | Intentional Self-Harm by Smoke, Fire and Flames                                                             | 1                      | 0.1  |
| X78                       | Intentional Self-Harm by Sharp Object                                                                       | 5                      | 0.3  |
| 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                                            | 2                      | 0.1  |
| X83                       | Intentional Self-Harm by Other Specific Means                                                               | 3                      | 0.2  |
| X84                       | Intentional Self-Harm by Unspecified Means                                                                  | 1                      | 0.1  |
| X85-Y09                   | Assault                                                                                                     | 105                    | 5.7  |
| X85                       | Assault by Drugs, Medicaments and Biological Substances                                                     | 1                      | 0.1  |
| X88                       | Assault by Gases and Vapors                                                                                 | 1                      | 0.1  |
| X91                       | Assault by Hanging, Strangulation and Suffocation                                                           | 6                      | 0.3  |
| X92                       | Assault by Drowning and Submersion                                                                          | 1                      | 0.1  |
| X93                       | Assault by Handgun Discharge                                                                                | 9                      | 0.5  |
| X94                       | Assault by Rifle, Shotgun and Larger Firearm Discharge                                                      | 7                      | 0.4  |
| X95                       | Assault by Other and Unspecified Firearm Discharge                                                          | 50                     | 2.7  |
| X99                       | Assault by Sharp Object                                                                                     | 8                      | 0.4  |
| Y00                       | Assault by Blunt Object                                                                                     | 1                      | 0.1  |
| Y06                       | Neglect and Abandonment                                                                                     | 1                      | 0.1  |
| Y07                       | Other Maltreatment Syndromes                                                                                | 4                      | 0.2  |
| Y09                       | Assault by Unspecified Means                                                                                | 16                     | 0.9  |
| Y10-Y34                   | Event of Undetermined Intent                                                                                | 80                     | 4.3  |
| Y11                       | Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined Intent | 7                      | 0.4  |
| Y12                       | Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent                            | 3                      | 0.2  |
| Y14                       | Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent        | 26                     | 1.4  |
| Y17                       | Poisoning by Other Gases and Vapors, Undetermined Intent                                                    | 1                      | 0.1  |
| Y20                       | Hanging, Strangulation and Suffocation, Undetermined Intent                                                 | 1                      | 0.1  |
| Y21                       | Drowning and Submersion, Undetermined Intent                                                                | 2                      | 0.1  |
| Y23                       | Rifle, Shotgun and Larger Firearm Discharge, Undetermined Intent                                            | 1                      | 0.1  |
| Y24                       | Other and Unspecified Firearm Discharge, Undetermined Intent                                                | 1                      | 0.1  |
| Y26                       | Exposure to Smoke, Fire and Flames, Undetermined Intent                                                     | 12                     | 0.6  |
| Y33                       | Other Specified Events, Undetermined Intent                                                                 | 3                      | 0.2  |
| Y34                       | Unspecified Event, Undetermined Intent                                                                      | 23                     | 1.2  |
| Y35-Y36                   | Legal Intervention and Operations of War                                                                    | 2                      | 0.1  |
| Y35                       | Legal Intervention                                                                                          | 2                      | 0.1  |
| Y40-Y84                   | Complications of Medical and Surgical Care                                                                  | 25                     | 1.3  |
| Y40-Y59                   | Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use                     | 4                      | 0.2  |
| Y44                       | Agents Primarily Affecting Blood Constituents                                                               | 2                      | 0.1  |
| Y57                       | Other and Unspecified Drugs and Medicaments                                                                 | 2                      | 0.1  |
| Y83-Y84                   | Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure              | 21                     | 1.1  |
| Y83                       | Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure             | 17                     | 0.9  |
| Y84                       | Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure        | 4                      | 0.2  |
| Y85-Y89                   | Sequelae of External Causes of Morbidity and Mortality                                                      | 20                     | 1.1  |
| Y85                       | Sequelae of Transport Accidents                                                                             | 12                     | 0.6  |
| Y86                       | Sequelae of Other Accidents                                                                                 | 6                      | 0.3  |
| Y87                       | Sequelae of Intentional Self-Harm, Assault and Event of Undetermined Intent                                 | 2                      | 0.1  |

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

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Selected Causes of Resident Deaths: Number by Race and Gender  
West Virginia, 2011  
Table 25

| Selected Causes of Death                                      | Number by Race and Gender |        |                              |        |                 |        | Total  |
|---------------------------------------------------------------|---------------------------|--------|------------------------------|--------|-----------------|--------|--------|
|                                                               | White or<br>Caucasian*    |        | Black or African<br>American |        | All Other Races |        |        |
|                                                               | Male                      | Female | Male                         | Female | Male            | Female |        |
| Fetal Deaths                                                  | 37                        | 49     | 2                            | 2      | 0               | 0      | 90     |
| Total Deaths, All Causes                                      | 10,684                    | 10,500 | 357                          | 296    | 15              | 18     | 21,870 |
| --Deaths Under One Year                                       | 72                        | 56     | 10                           | 2      | 1               | 0      | 141    |
| --Deaths Under 28 Days                                        | 45                        | 33     | 7                            | 0      | 1               | 0      | 86     |
| Tuberculosis                                                  | 2                         | 0      | 0                            | 0      | 0               | 0      | 2      |
| Septicemia                                                    | 133                       | 171    | 6                            | 5      | 1               | 0      | 316    |
| Human Immunodeficiency Virus Infection                        | 7                         | 2      | 1                            | 1      | 0               | 0      | 11     |
| Malignant Neoplasms                                           | 2,521                     | 2,110  | 81                           | 61     | 2               | 4      | 4,779  |
| --of Digestive Organs                                         | 638                       | 394    | 26                           | 15     | 0               | 1      | 1,074  |
| ----Colon                                                     | 185                       | 144    | 9                            | 5      | 0               | 1      | 344    |
| ----Pancreas                                                  | 141                       | 99     | 3                            | 5      | 0               | 0      | 248    |
| --of Respiratory and Intrathoracic Organs                     | 873                       | 627    | 28                           | 8      | 0               | 1      | 1,537  |
| ----Trachea, Bronchus and Lung                                | 850                       | 616    | 27                           | 8      | 0               | 1      | 1,502  |
| --of Breast                                                   | 4                         | 294    | 0                            | 8      | 0               | 1      | 307    |
| --of Genitourinary Organs                                     | 326                       | 323    | 13                           | 15     | 2               | 0      | 679    |
| ----Cervix Uteri                                              | 0                         | 50     | 0                            | 1      | 0               | 0      | 51     |
| ----Ovary                                                     | 0                         | 111    | 0                            | 4      | 0               | 0      | 115    |
| ----Prostate                                                  | 180                       | 0      | 11                           | 0      | 0               | 0      | 191    |
| ----Bladder                                                   | 73                        | 25     | 2                            | 5      | 2               | 0      | 107    |
| --All Other (Malignant Neoplasms)                             | 680                       | 472    | 14                           | 15     | 0               | 1      | 1,182  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 62                        | 47     | 1                            | 1      | 0               | 0      | 111    |
| Diabetes Mellitus                                             | 403                       | 344    | 21                           | 22     | 1               | 1      | 792    |
| Dementia                                                      | 293                       | 679    | 12                           | 24     | 0               | 1      | 1,009  |
| Alzheimer's Disease                                           | 188                       | 411    | 2                            | 7      | 0               | 1      | 609    |
| Major Cardiovascular Disease                                  | 3,025                     | 3,181  | 97                           | 106    | 6               | 6      | 6,421  |
| --Diseases of the Heart                                       | 2,433                     | 2,332  | 77                           | 71     | 6               | 2      | 4,921  |
| ----Ischemic Heart Disease                                    | 1,679                     | 1,373  | 49                           | 37     | 3               | 2      | 3,143  |
| --Essential Hypertension and Hypertensive Renal Disease       | 101                       | 132    | 5                            | 5      | 0               | 0      | 243    |
| --Cerebrovascular Diseases (Stroke)                           | 387                       | 619    | 14                           | 25     | 0               | 2      | 1,047  |
| --Arteriosclerosis                                            | 28                        | 35     | 0                            | 0      | 0               | 0      | 63     |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 76                        | 63     | 1                            | 5      | 0               | 2      | 147    |
| Influenza and Pneumonia                                       | 191                       | 256    | 5                            | 3      | 0               | 0      | 455    |
| --Influenza                                                   | 8                         | 17     | 0                            | 0      | 0               | 0      | 25     |
| --Pneumonia                                                   | 183                       | 239    | 5                            | 3      | 0               | 0      | 430    |
| Chronic Lower Respiratory Diseases                            | 732                       | 820    | 11                           | 8      | 0               | 1      | 1,572  |
| --Bronchitis, Emphysema and Asthma                            | 56                        | 54     | 2                            | 2      | 0               | 0      | 114    |
| Lung Diseases due to External Agents                          | 127                       | 53     | 5                            | 1      | 0               | 0      | 186    |
| --Coal Worker's Pneumoconiosis                                | 33                        | 0      | 3                            | 0      | 0               | 0      | 36     |
| Chronic Liver Disease and Cirrhosis                           | 181                       | 92     | 3                            | 1      | 0               | 0      | 277    |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 214                       | 211    | 14                           | 4      | 1               | 0      | 444    |
| Congenital Malformations                                      | 36                        | 40     | 1                            | 1      | 0               | 0      | 78     |
| Ill-Defined and Unknown Causes of Death                       | 123                       | 122    | 9                            | 4      | 0               | 0      | 258    |
| Accidents, All Forms                                          | 899                       | 507    | 27                           | 10     | 0               | 2      | 1,445  |
| --Motor Vehicle                                               | 251                       | 114    | 10                           | 1      | 0               | 1      | 377    |
| --Falls                                                       | 104                       | 118    | 2                            | 1      | 0               | 0      | 225    |
| --Drownings                                                   | 20                        | 3      | 1                            | 0      | 0               | 0      | 24     |
| --Smoke, Fire and Flames                                      | 14                        | 10     | 0                            | 0      | 0               | 0      | 24     |
| --Poisonings                                                  | 387                       | 198    | 11                           | 7      | 0               | 0      | 603    |
| --Other Accidents                                             | 123                       | 64     | 3                            | 1      | 0               | 1      | 192    |
| Intentional Self-Harm (Suicide)                               | 246                       | 59     | 4                            | 0      | 0               | 0      | 309    |
| Assault (Homicide)                                            | 62                        | 29     | 13                           | 3      | 0               | 0      | 107    |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 35                        | 41     | 3                            | 1      | 0               | 0      | 80     |
| All Other Causes (Residual)                                   | 1,204                     | 1,325  | 41                           | 33     | 4               | 2      | 2,609  |

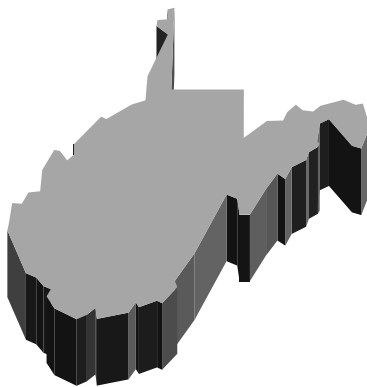
Selected Causes of Resident Deaths by Age Group  
West Virginia, 2011  
Table 26

| 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                                      | 21,870 | 141           | 56   | 221   | 430   | 746   | 1,679 | 2,959 | 3,990 | 5,767 | 5,881       | 72.1                 |
| --Deaths Under One Year                                       | 141    | 141           | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0.1                  |
| --Deaths Under 28 Days                                        | 86     | 86            | 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0           | 0.0                  |
| Tuberculosis                                                  | 2      | 0             | 0    | 0     | 0     | 0     | 0     | 0     | 1     | 1     | 0           | 75.0                 |
| Septicemia                                                    | 316    | 1             | 5    | 1     | 4     | 7     | 22    | 52    | 68    | 84    | 72          | 71.6                 |
| Human Immunodeficiency Virus Infection                        | 11     | 0             | 0    | 0     | 0     | 4     | 4     | 2     | 0     | 0     | 1           | 50.5                 |
| Malignant Neoplasms                                           | 4,779  | 0             | 4    | 12    | 23    | 105   | 403   | 962   | 1,316 | 1,307 | 647         | 70.3                 |
| --of Digestive Organs                                         | 1,074  | 0             | 0    | 2     | 3     | 28    | 106   | 233   | 290   | 268   | 144         | 69.6                 |
| ----Colon                                                     | 344    | 0             | 0    | 1     | 0     | 9     | 27    | 54    | 89    | 103   | 61          | 72.0                 |
| ----Pancreas                                                  | 248    | 0             | 0    | 0     | 2     | 4     | 20    | 52    | 72    | 61    | 37          | 70.5                 |
| --of Respiratory and Intrathoracic Organs                     | 1,537  | 0             | 0    | 1     | 1     | 15    | 124   | 319   | 490   | 453   | 134         | 70.3                 |
| ----Trachea, Bronchus and Lung                                | 1,502  | 0             | 0    | 0     | 1     | 15    | 121   | 311   | 482   | 440   | 132         | 70.3                 |
| --of Breast                                                   | 307    | 0             | 0    | 1     | 1     | 16    | 45    | 81    | 66    | 56    | 41          | 67.0                 |
| --of Genitourinary Organs                                     | 679    | 0             | 1    | 2     | 2     | 17    | 45    | 110   | 170   | 193   | 139         | 72.5                 |
| ----Cervix Uteri                                              | 51     | 0             | 0    | 1     | 0     | 11    | 14    | 15    | 8     | 2     | 0           | 53.9                 |
| ----Ovary                                                     | 115    | 0             | 0    | 0     | 0     | 4     | 12    | 25    | 35    | 26    | 13          | 68.6                 |
| ----Prostate                                                  | 191    | 0             | 0    | 0     | 0     | 0     | 1     | 11    | 42    | 74    | 63          | 79.6                 |
| ----Bladder                                                   | 107    | 0             | 0    | 0     | 0     | 1     | 3     | 11    | 37    | 28    | 27          | 74.8                 |
| --All Other (Malignant Neoplasms)                             | 1,182  | 0             | 3    | 6     | 16    | 29    | 83    | 219   | 300   | 337   | 189         | 70.7                 |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 111    | 0             | 1    | 1     | 1     | 0     | 3     | 14    | 16    | 38    | 37          | 76.7                 |
| Diabetes Mellitus                                             | 792    | 0             | 0    | 0     | 8     | 22    | 65    | 151   | 184   | 221   | 141         | 71.3                 |
| Dementia                                                      | 1,009  | 0             | 0    | 0     | 0     | 1     | 1     | 15    | 60    | 280   | 652         | 86.4                 |
| Alzheimer's Disease                                           | 609    | 0             | 0    | 0     | 0     | 0     | 0     | 6     | 38    | 190   | 375         | 85.7                 |
| Major Cardiovascular Disease                                  | 6,421  | 2             | 1    | 4     | 36    | 123   | 374   | 731   | 1,046 | 1,825 | 2,279       | 76.9                 |
| --Diseases of the Heart                                       | 4,921  | 1             | 0    | 4     | 32    | 108   | 317   | 586   | 823   | 1,341 | 1,709       | 76.3                 |
| ----Ischemic Heart Disease                                    | 3,143  | 0             | 0    | 0     | 13    | 74    | 225   | 407   | 563   | 849   | 1,012       | 75.6                 |
| --Essential Hypertension and Hypertensive Renal Disease       | 243    | 0             | 0    | 0     | 1     | 3     | 18    | 30    | 30    | 70    | 91          | 77.1                 |
| --Cerebrovascular Diseases (Stroke)                           | 1,047  | 0             | 1    | 0     | 2     | 12    | 33    | 92    | 162   | 343   | 402         | 79.1                 |
| --Arteriosclerosis                                            | 63     | 0             | 0    | 0     | 0     | 0     | 1     | 5     | 2     | 18    | 37          | 85.0                 |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 147    | 1             | 0    | 0     | 1     | 0     | 5     | 18    | 29    | 53    | 40          | 75.8                 |
| Influenza and Pneumonia                                       | 455    | 4             | 1    | 4     | 4     | 9     | 25    | 40    | 68    | 136   | 164         | 76.1                 |
| --Influenza                                                   | 25     | 0             | 1    | 1     | 0     | 4     | 5     | 1     | 6     | 3     | 4           | 60.7                 |
| --Pneumonia                                                   | 430    | 4             | 0    | 3     | 4     | 5     | 20    | 39    | 62    | 133   | 160         | 77.0                 |
| Chronic Lower Respiratory Diseases                            | 1,572  | 0             | 0    | 0     | 2     | 8     | 67    | 193   | 396   | 549   | 357         | 75.3                 |
| --Bronchitis, Emphysema and Asthma                            | 114    | 0             | 0    | 0     | 2     | 5     | 7     | 15    | 39    | 29    | 17          | 70.9                 |
| Lung Diseases due to External Agents                          | 186    | 0             | 1    | 0     | 2     | 1     | 8     | 13    | 27    | 66    | 68          | 78.3                 |
| --Coal Workers Pneumoconiosis                                 | 36     | 0             | 0    | 0     | 0     | 0     | 1     | 5     | 4     | 16    | 10          | 78.2                 |
| Chronic Liver Disease and Cirrhosis                           | 277    | 0             | 0    | 0     | 2     | 17    | 81    | 88    | 52    | 29    | 8           | 60.0                 |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 444    | 0             | 0    | 1     | 3     | 9     | 21    | 52    | 73    | 139   | 146         | 76.7                 |
| Congenital Malformations                                      | 78     | 33            | 8    | 2     | 6     | 6     | 6     | 5     | 6     | 3     | 3           | 25.7                 |
| III-Defined and Unknown Causes of Death                       | 258    | 29            | 1    | 0     | 2     | 1     | 18    | 52    | 48    | 39    | 68          | 65.3                 |
| Accidents, All Forms                                          | 1,445  | 3             | 16   | 120   | 225   | 255   | 270   | 155   | 103   | 148   | 150         | 51.4                 |
| --Motor Vehicle                                               | 377    | 0             | 9    | 71    | 50    | 51    | 59    | 49    | 38    | 37    | 13          | 46.5                 |
| --Falls                                                       | 225    | 0             | 0    | 0     | 1     | 6     | 11    | 21    | 25    | 69    | 92          | 78.4                 |
| --Drownings                                                   | 24     | 0             | 2    | 4     | 3     | 3     | 2     | 5     | 2     | 2     | 1           | 43.8                 |
| --Smoke, Fire and Flames                                      | 24     | 0             | 0    | 2     | 1     | 0     | 5     | 5     | 6     | 3     | 2           | 60.3                 |
| --Poisonings                                                  | 603    | 0             | 3    | 37    | 153   | 179   | 162   | 54    | 10    | 2     | 3           | 41.0                 |
| --Other Accidents                                             | 192    | 3             | 2    | 6     | 17    | 16    | 31    | 21    | 22    | 35    | 39          | 61.8                 |
| Intentional Self-Harm (Suicide)                               | 309    | 0             | 1    | 37    | 45    | 58    | 68    | 52    | 23    | 15    | 10          | 46.9                 |
| Assault (Homicide)                                            | 107    | 4             | 6    | 19    | 24    | 18    | 18    | 12    | 3     | 3     | 0           | 36.3                 |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 80     | 1             | 0    | 3     | 13    | 15    | 28    | 7     | 3     | 6     | 4           | 48.6                 |
| All Other Causes (Residual)                                   | 2,609  | 64            | 11   | 17    | 30    | 87    | 197   | 357   | 459   | 688   | 699         | 71.2                 |

Selected Causes of Resident Deaths by Month of Occurrence  
West Virginia, 2011  
Table 27

| Selected Causes of Death                                      | Number of Deaths per Month |       |       |       |       |       |       |       |       |       |       |       | Total  |
|---------------------------------------------------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                                                               | Jan                        | Feb   | Mar   | April | May   | June  | July  | Aug   | Sept  | Oct   | Nov   | Dec   |        |
| Fetal Deaths                                                  | 8                          | 9     | 9     | 4     | 7     | 9     | 6     | 2     | 9     | 8     | 6     | 13    | 90     |
| Total Deaths, All Causes                                      | 1,985                      | 1,843 | 2,110 | 1,825 | 1,858 | 1,685 | 1,665 | 1,731 | 1,720 | 1,798 | 1,783 | 1,867 | 21,870 |
| --Deaths Under One Year                                       | 14                         | 8     | 14    | 13    | 11    | 15    | 14    | 10    | 5     | 12    | 14    | 11    | 141    |
| --Deaths Under 28 Days                                        | 9                          | 4     | 9     | 9     | 7     | 10    | 8     | 6     | 3     | 6     | 9     | 6     | 86     |
| Tuberculosis                                                  | 0                          | 0     | 0     | 0     | 0     | 1     | 1     | 0     | 0     | 0     | 0     | 0     | 2      |
| Septicemia                                                    | 34                         | 23    | 30    | 33    | 29    | 30    | 22    | 23    | 23    | 30    | 19    | 20    | 316    |
| Human Immunodeficiency Virus Infection                        | 1                          | 0     | 1     | 1     | 2     | 2     | 0     | 1     | 1     | 1     | 0     | 1     | 11     |
| Malignant Neoplasms                                           | 404                        | 393   | 450   | 376   | 408   | 381   | 373   | 405   | 417   | 383   | 392   | 397   | 4,779  |
| --of Digestive Organs                                         | 79                         | 83    | 107   | 82    | 100   | 73    | 90    | 92    | 94    | 82    | 104   | 88    | 1,074  |
| ----Colon                                                     | 26                         | 31    | 34    | 24    | 25    | 22    | 27    | 30    | 35    | 23    | 39    | 28    | 344    |
| ----Pancreas                                                  | 17                         | 20    | 30    | 21    | 26    | 21    | 17    | 19    | 17    | 22    | 22    | 16    | 248    |
| --of Respiratory and Intrathoracic Organs                     | 130                        | 120   | 141   | 122   | 132   | 131   | 124   | 124   | 133   | 126   | 129   | 125   | 1,537  |
| ----Trachea, Bronchus and Lung                                | 124                        | 118   | 137   | 120   | 128   | 128   | 123   | 124   | 130   | 124   | 127   | 119   | 1,502  |
| --of Breast                                                   | 32                         | 30    | 25    | 27    | 21    | 20    | 35    | 23    | 22    | 27    | 20    | 25    | 307    |
| --of Genitourinary Organs                                     | 65                         | 53    | 60    | 56    | 49    | 55    | 48    | 64    | 64    | 52    | 57    | 56    | 679    |
| ----Cervix Uteri                                              | 3                          | 2     | 6     | 5     | 1     | 6     | 5     | 5     | 3     | 5     | 5     | 5     | 51     |
| ----Ovary                                                     | 9                          | 6     | 12    | 10    | 13    | 5     | 4     | 12    | 14    | 6     | 12    | 12    | 115    |
| ----Prostate                                                  | 17                         | 18    | 14    | 20    | 14    | 16    | 12    | 23    | 13    | 16    | 14    | 14    | 191    |
| ----Bladder                                                   | 10                         | 8     | 7     | 8     | 9     | 7     | 10    | 8     | 13    | 10    | 8     | 9     | 107    |
| --All Other (Malignant Neoplasms)                             | 98                         | 107   | 117   | 89    | 106   | 102   | 76    | 102   | 104   | 96    | 82    | 103   | 1,182  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 8                          | 13    | 10    | 7     | 7     | 8     | 5     | 11    | 14    | 9     | 12    | 7     | 111    |
| Diabetes Mellitus                                             | 69                         | 58    | 59    | 65    | 80    | 59    | 57    | 71    | 62    | 77    | 62    | 73    | 792    |
| Dementia                                                      | 90                         | 76    | 119   | 67    | 78    | 78    | 69    | 95    | 73    | 87    | 88    | 89    | 1,009  |
| Alzheimer's Disease                                           | 61                         | 47    | 48    | 64    | 48    | 44    | 53    | 43    | 45    | 60    | 52    | 44    | 609    |
| Major Cardiovascular Disease                                  | 611                        | 554   | 622   | 541   | 559   | 487   | 494   | 468   | 502   | 507   | 525   | 551   | 6,421  |
| --Diseases of the Heart                                       | 468                        | 410   | 480   | 414   | 448   | 375   | 380   | 360   | 372   | 388   | 409   | 417   | 4,921  |
| ----Ischemic Heart Disease                                    | 299                        | 253   | 310   | 264   | 296   | 246   | 247   | 230   | 234   | 256   | 249   | 259   | 3,143  |
| --Essential Hypertension and Hypertensive Renal Disease       | 31                         | 20    | 17    | 16    | 26    | 20    | 23    | 17    | 17    | 20    | 19    | 17    | 243    |
| --Cerebrovascular Diseases (Stroke)                           | 95                         | 99    | 104   | 90    | 71    | 75    | 77    | 79    | 92    | 83    | 84    | 98    | 1,047  |
| --Arteriosclerosis                                            | 5                          | 6     | 10    | 5     | 3     | 5     | 4     | 5     | 7     | 3     | 4     | 6     | 63     |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 12                         | 19    | 11    | 16    | 11    | 12    | 10    | 7     | 14    | 13    | 9     | 13    | 147    |
| Influenza and Pneumonia                                       | 49                         | 56    | 63    | 38    | 31    | 32    | 19    | 35    | 35    | 30    | 30    | 37    | 455    |
| --Influenza                                                   | 3                          | 5     | 14    | 3     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 25     |
| --Pneumonia                                                   | 46                         | 51    | 49    | 35    | 31    | 32    | 19    | 35    | 35    | 30    | 30    | 37    | 430    |
| Chronic Lower Respiratory Diseases                            | 147                        | 149   | 183   | 158   | 131   | 99    | 108   | 101   | 96    | 122   | 136   | 142   | 1,572  |
| --Bronchitis, Emphysema and Asthma                            | 10                         | 15    | 14    | 10    | 14    | 6     | 9     | 9     | 8     | 4     | 9     | 6     | 114    |
| Lung Diseases due to External Agents                          | 14                         | 17    | 22    | 18    | 15    | 10    | 20    | 10    | 13    | 18    | 18    | 11    | 186    |
| --Coal Worker's Pneumoconiosis                                | 1                          | 3     | 3     | 4     | 6     | 5     | 4     | 0     | 4     | 1     | 3     | 2     | 36     |
| Chronic Liver Disease and Cirrhosis                           | 23                         | 18    | 35    | 23    | 23    | 26    | 16    | 22    | 24    | 17    | 21    | 29    | 277    |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 37                         | 40    | 30    | 36    | 40    | 36    | 35    | 35    | 34    | 47    | 35    | 39    | 444    |
| Congenital Malformations                                      | 8                          | 11    | 6     | 4     | 9     | 9     | 6     | 5     | 3     | 4     | 9     | 4     | 78     |
| Ill-Defined and Unknown Causes of Death                       | 28                         | 21    | 27    | 15    | 16    | 19    | 24    | 18    | 12    | 27    | 24    | 27    | 258    |
| Accidents, All Forms                                          | 103                        | 98    | 107   | 131   | 145   | 134   | 113   | 116   | 122   | 134   | 124   | 118   | 1,445  |
| --Motor Vehicle                                               | 27                         | 22    | 20    | 29    | 40    | 42    | 34    | 36    | 31    | 35    | 35    | 26    | 377    |
| --Falls                                                       | 18                         | 20    | 17    | 20    | 22    | 21    | 15    | 19    | 19    | 21    | 22    | 11    | 225    |
| --Drownings                                                   | 2                          | 1     | 4     | 1     | 1     | 2     | 4     | 2     | 4     | 1     | 1     | 1     | 24     |
| --Smoke, Fire and Flames                                      | 2                          | 1     | 6     | 3     | 2     | 2     | 0     | 1     | 1     | 4     | 1     | 1     | 24     |
| --Poisonings                                                  | 40                         | 41    | 47    | 61    | 58    | 52    | 42    | 43    | 49    | 55    | 55    | 60    | 603    |
| --Other Accidents                                             | 14                         | 13    | 13    | 17    | 22    | 15    | 18    | 15    | 18    | 18    | 10    | 19    | 192    |
| Intentional Self-Harm (Suicide)                               | 18                         | 24    | 30    | 25    | 27    | 26    | 33    | 27    | 32    | 23    | 25    | 19    | 309    |
| Assault (Homicide)                                            | 10                         | 7     | 9     | 7     | 11    | 12    | 9     | 11    | 10    | 5     | 8     | 8     | 107    |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 9                          | 3     | 9     | 9     | 5     | 5     | 11    | 3     | 4     | 6     | 6     | 10    | 80     |
| All Other Causes (Residual)                                   | 261                        | 235   | 250   | 207   | 194   | 187   | 197   | 231   | 198   | 211   | 197   | 241   | 2,609  |

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West Virginia Vital Statistics  
**Infant & Fetal Death**



## Infant and Fetal Death Summary

Deaths of infants under one year of age dropped by nine, from 150 in 2010 to 141 in 2011. West Virginia's infant mortality rate also declined, from 7.3 per 1,000 live births in 2010 to 6.8 in 2011. The preliminary U.S. infant mortality was 6.0 in 2011.

The following table shows the decline in the national and state infant mortality rates from 1950 through 2011.

**1950 – 2011 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           |
| 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           |
| 2010 | 7.3           | 6.1           |
| 2011 | 6.8           | 6.0           |

The state's 2011 white infant mortality rate decreased from 7.2 in 2010 to 6.5 in 2011, while the rate for black infants increased from 14.9 to 16.8 (see Statistical Variation in Appendix B, page 155). West Virginia's 2011 race-specific infant mortality rates and comparable U.S. rates are shown in the table on the following page.

**2011 West Virginia and United States  
Infant Mortality by Race of Infant  
(Number and Rate per 1,000 Live Births)**

| Race of Infant | West Virginia |      | United States* |      |
|----------------|---------------|------|----------------|------|
|                | Number        | Rate | Number         | Rate |
| All Races      | 141           | 6.8  | 23,907         | 6.0  |
| White          | 128           | 6.5  | 15,451         | 5.1  |
| Black          | 12            | 16.8 | 7,221          | 11.4 |
| Other          | 1             | 2.9  | 1,235          | 4.0  |

\*Source: [http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61\\_06.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_06.pdf)

Approximately one out of six (17.0%) infant deaths in 2011 were due to SIDS (sudden infant death syndrome). Approximately one in four (23.4%) was the result of congenital malformations, while 40.4% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (12.1%).

### Neonatal/Postneonatal Deaths

The number of neonatal deaths rose by four, from 82 in 2010 to 86 in 2011; the neonatal death rate also increased, from 4.0 deaths among infants aged less than 28 days per 1,000 live births in 2010 to 4.2 in 2011. Neonatal deaths comprised 61.0% of all West Virginia resident infant deaths in 2011, compared with 55.0% in 2010. The rate of postneonatal deaths decreased from 3.3 deaths per 1,000 neonatal survivors in 2010 to 2.7 in 2011. The 2011 preliminary U.S. neonatal death rate was 4.0, while the postneonatal rate was 2.0 deaths per 1,000 neonatal survivors.

### Fetal Deaths

The 90 resident fetal deaths reported with a birthweight of at least 350 grams or occurring after 20 or more weeks of gestation (if the weight is unknown) in 2011 were seven more than in 2010 (83). The fetal death ratio also increased, from 4.1 deaths per 1,000 live births in 2010 to 4.3 in 2011. The majority (92.2%) of fetal deaths were due to conditions originating in the perinatal period, including complications of placenta, cord and membrane (43.3%), maternal conditions (3.3%), maternal complications (8.9%), short gestation and low birthweight (1.1%) and other ill-defined perinatal conditions (30.0%). Congenital malformations accounted for 6.7% of all fetal deaths.

Fetal Deaths, Neonatal Deaths and Postneonatal Deaths: Number and Rate/Ratio  
West Virginia Resident Deaths, 1925-2010  
Table 28

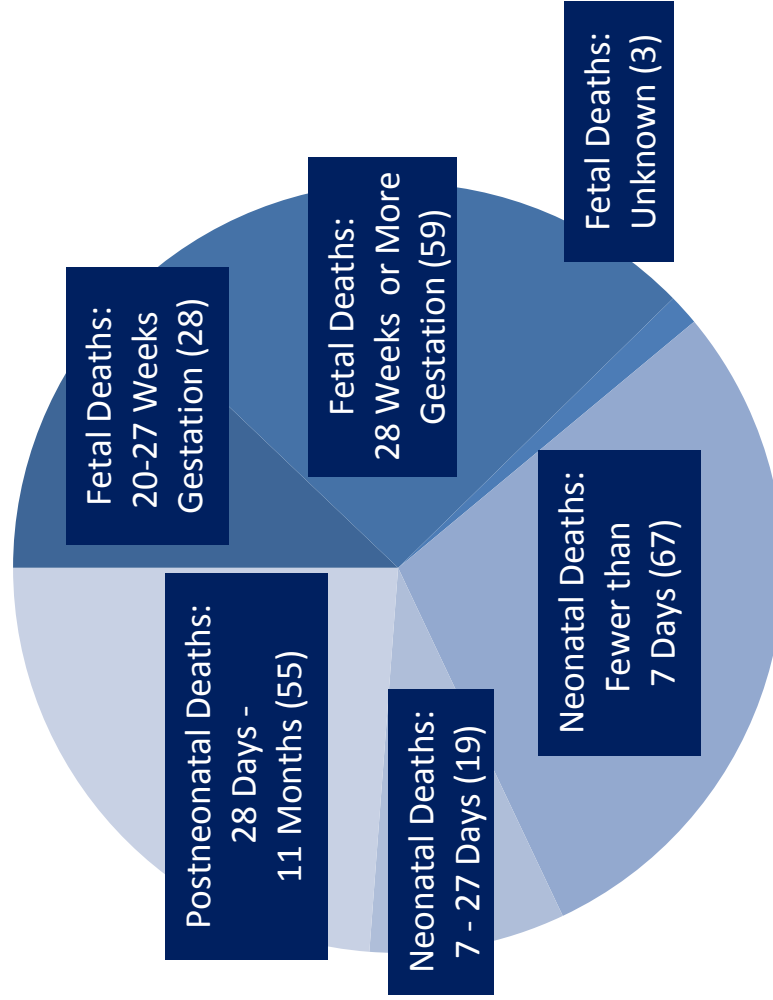
| Year | Fetal Deaths |                             | Neonatal Deaths |                            | Postneonatal Deaths |                            |                                    |
|------|--------------|-----------------------------|-----------------|----------------------------|---------------------|----------------------------|------------------------------------|
|      | 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                                |
| 2010 | 83           | 4.1                         | 82              | 4.0                        | 68                  | 3.3                        | 3.3                                |
| 2011 | 90           | 4.3                         | 86              | 4.2                        | 55                  | 2.7                        | 2.7                                |

\*Neonatal survivors are live births minus neonatal deaths.

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## Fetal Deaths, Neonatal Deaths and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2011

Exhibit 14



Causes of Resident Infant Deaths by Age  
West Virginia, 2011  
Table 29

| ICDA 10<br>Code<br>Number | Cause of Death                                                                             | Under<br>1 Day | 1 to 6<br>Days | 7 to<br>27<br>Days | 28 Days<br>to 11<br>Months | Total |
|---------------------------|--------------------------------------------------------------------------------------------|----------------|----------------|--------------------|----------------------------|-------|
| A00-Z99                   | Total Deaths, All Causes                                                                   | 45             | 22             | 19                 | 55                         | 141   |
| A00-B99                   | Certain Infectious and Parasitic Diseases                                                  | 0              | 1              | 0                  | 2                          | 3     |
| A00-A09                   | Intestinal Infectious Diseases                                                             | 0              | 0              | 0                  | 1                          | 1     |
| A09                       | Diarrhoea and Gastroenteritis of Presumed Infectious Origin                                | 0              | 0              | 0                  | 1                          | 1     |
| A30-A49                   | Other Bacterial Diseases                                                                   | 0              | 1              | 0                  | 0                          | 1     |
| A40                       | Streptococcal Septicemia                                                                   | 0              | 1              | 0                  | 0                          | 1     |
| B35-B49                   | Mycoses                                                                                    | 0              | 0              | 0                  | 1                          | 1     |
| B49                       | Unspecified Mycosis                                                                        | 0              | 0              | 0                  | 1                          | 1     |
| E00-E90                   | Endocrine, Nutritional and Metabolic Diseases                                              | 0              | 0              | 0                  | 1                          | 1     |
| E70-E90                   | Metabolic Disorders                                                                        | 0              | 0              | 0                  | 1                          | 1     |
| E87                       | Other Disorders of Fluid, Electrolyte and Acid-Base Balance                                | 0              | 0              | 0                  | 1                          | 1     |
| G00-G99                   | Diseases of the Nervous System                                                             | 0              | 0              | 0                  | 1                          | 1     |
| G90-G99                   | Other Disorders of the Nervous System                                                      | 0              | 0              | 0                  | 1                          | 1     |
| G93                       | Other Disorders of Brain                                                                   | 0              | 0              | 0                  | 1                          | 1     |
| I00-I99                   | Diseases of the Circulatory System                                                         | 0              | 1              | 0                  | 2                          | 3     |
| I00-I09, I11, I13         | Diseases of the Heart                                                                      | 0              | 0              | 0                  | 1                          | 1     |
| I30-I52                   | Other forms of Heart Diseases                                                              | 0              | 0              | 0                  | 1                          | 1     |
| I51                       | Complications and Ill-Defined Descriptions of Heart Disease                                | 0              | 0              | 0                  | 1                          | 1     |
| I70-I79                   | Diseases of Arteries, Arterioles and Capillaries                                           | 0              | 1              | 0                  | 0                          | 1     |
| I74                       | Arterial Embolism and Thrombosis                                                           | 0              | 1              | 0                  | 0                          | 1     |
| I80-I89                   | Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified             | 0              | 0              | 0                  | 1                          | 1     |
| I80                       | Phlebitis and Thrombophlebitis                                                             | 0              | 0              | 0                  | 1                          | 1     |
| J00-J99                   | Diseases of the Respiratory System                                                         | 0              | 0              | 0                  | 5                          | 5     |
| J09-J18                   | Influenza and Pneumonia                                                                    | 0              | 0              | 0                  | 4                          | 4     |
| J18                       | Pneumonia, Organism Unspecified                                                            | 0              | 0              | 0                  | 4                          | 4     |
| J95-J99                   | Other Diseases of the Respiratory System                                                   | 0              | 0              | 0                  | 1                          | 1     |
| J98                       | Other Respiratory Disorders                                                                | 0              | 0              | 0                  | 1                          | 1     |
| P00-P96                   | Certain Conditions Originating in the Perinatal Period                                     | 27             | 16             | 8                  | 6                          | 57    |
| P00-P04                   | Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery | 8              | 1              | 1                  | 0                          | 10    |
| P00                       | Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy         | 0              | 0              | 1                  | 0                          | 1     |
| P00.5                     | Maternal Injury                                                                            | 0              | 0              | 1                  | 0                          | 1     |
| P01                       | Newborn Affected by Maternal Complications of Pregnancy                                    | 5              | 0              | 0                  | 0                          | 5     |
| P01.0                     | Incompetent Cervix                                                                         | 1              | 0              | 0                  | 0                          | 1     |
| P01.1                     | Premature Rupture of Membranes                                                             | 3              | 0              | 0                  | 0                          | 3     |
| P01.8                     | Other Maternal Complications of Pregnancy                                                  | 1              | 0              | 0                  | 0                          | 1     |
| P02                       | Newborn Affected by Complications of Placenta, Cord and Membranes                          | 3              | 1              | 0                  | 0                          | 4     |
| P02.1                     | Other Forms of Placenta Separation and Hemorrhage                                          | 1              | 0              | 0                  | 0                          | 1     |
| P02.7                     | Chorioamnionitis                                                                           | 2              | 1              | 0                  | 0                          | 3     |
| P05-P08                   | Disorders Related to Length of Gestation and Fetal Growth                                  | 14             | 2              | 0                  | 1                          | 17    |
| P07                       | Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified         | 14             | 2              | 0                  | 1                          | 17    |
| P07.2                     | Extreme Immaturity                                                                         | 13             | 2              | 0                  | 0                          | 15    |
| P07.3                     | Other Preterm Infants                                                                      | 1              | 0              | 0                  | 1                          | 2     |
| P20-P29                   | Respiratory and Cardiovascular Disorders Specific to the Perinatal Period                  | 5              | 5              | 5                  | 3                          | 18    |
| P22                       | Respiratory Distress of Newborn                                                            | 2              | 3              | 2                  | 0                          | 7     |
| P22.0                     | Respiratory Distress Syndrome                                                              | 2              | 1              | 2                  | 0                          | 5     |
| P22.9                     | Respiratory Distress of Newborn, Unspecified                                               | 0              | 2              | 0                  | 0                          | 2     |
| P25                       | Interstitial Emphysema and Related Conditions Originating in the Perinatal Period          | 1              | 0              | 0                  | 0                          | 1     |
| P27                       | Chronic Respiratory Disease Originating in the Perinatal Period                            | 0              | 0              | 0                  | 2                          | 2     |
| P28                       | Other Respiratory Conditions Originating in the Perinatal Period                           | 2              | 1              | 1                  | 0                          | 4     |
| P29                       | Cardiovascular Disorders Originating in the Perinatal Period                               | 0              | 1              | 2                  | 1                          | 4     |
| P29.0                     | Neonatal Cardiac Failure                                                                   | 0              | 0              | 0                  | 1                          | 1     |
| P29.1                     | Neonatal Cardiac Dysrhythmia                                                               | 0              | 1              | 2                  | 0                          | 3     |
| P35-P39                   | Infections Specific to the Perinatal Period                                                | 0              | 1              | 1                  | 1                          | 3     |
| P36                       | Bacterial Sepsis of Newborn                                                                | 0              | 1              | 1                  | 1                          | 3     |
| P50-P61                   | Hemorrhagic and Hematological Disorders of Newborn                                         | 0              | 3              | 0                  | 0                          | 3     |
| P50                       | Fetal Blood Loss                                                                           | 0              | 1              | 0                  | 0                          | 1     |

Causes of Resident Infant Deaths by Age  
West Virginia, 2011  
Table 29 (Cont'd)

| ICDA 10<br>Code<br>Number | Cause of Death                                                                          | Under<br>1 Day | 1 to 6<br>Days | 7 to<br>27<br>Days | 28 Days<br>to 11<br>Months | Total |
|---------------------------|-----------------------------------------------------------------------------------------|----------------|----------------|--------------------|----------------------------|-------|
| P52                       | Intracranial Nontraumatic Hemorrhage of Newborn                                         | 0              | 2              | 0                  | 0                          | 2     |
| P70-P74                   | Transitory Endocrine and Metabolic Disorders Specific to Newborn                        | 0              | 1              | 0                  | 0                          | 1     |
| P70                       | Transitory Disorders of Carbohydrate Metabolism Specific to Newborn                     | 0              | 1              | 0                  | 0                          | 1     |
| P70.2                     | Neonatal Diabetes Mellitus                                                              | 0              | 1              | 0                  | 0                          | 1     |
| P75-P78                   | Digestive System Disorders of Newborn                                                   | 0              | 0              | 1                  | 0                          | 1     |
| P77                       | Necrotizing Enterocolitis of Newborn                                                    | 0              | 0              | 1                  | 0                          | 1     |
| P80-P83                   | Conditions Involving the Integument and Temperature Regulation of Newborn               | 0              | 2              | 0                  | 0                          | 2     |
| P83                       | Other Conditions of Integument Specific to Newborn                                      | 0              | 2              | 0                  | 0                          | 2     |
| P90-P96                   | Other Disorders Originating in the Perinatal Period                                     | 0              | 1              | 0                  | 1                          | 2     |
| P91                       | Other Disturbances of Cerebral Status of Newborn                                        | 0              | 1              | 0                  | 0                          | 1     |
| P96                       | Other Conditions Originating in the Perinatal Period                                    | 0              | 0              | 0                  | 1                          | 1     |
| Q00-Q99                   | Congenital Malformations, Deformations and Chromosomal Abnormalities                    | 17             | 4              | 7                  | 5                          | 33    |
| Q00-Q07                   | Congenital Malformations of the Nervous System                                          | 3              | 0              | 0                  | 2                          | 5     |
| Q00                       | Anencephaly and Similar Malformations                                                   | 2              | 0              | 0                  | 0                          | 2     |
| Q04                       | Other Congenital Malformations of Brain                                                 | 1              | 0              | 0                  | 1                          | 2     |
| Q07                       | Other Congenital Malformations of Nervous System                                        | 0              | 0              | 0                  | 1                          | 1     |
| Q10-Q18                   | Congenital Malformations of Eye, Ear, Face and Neck                                     | 1              | 0              | 0                  | 0                          | 1     |
| Q18                       | Other Congenital Malformations of Face and Neck                                         | 1              | 0              | 0                  | 0                          | 1     |
| Q20-Q28                   | Congenital Malformations of the Circulatory System                                      | 0              | 1              | 5                  | 2                          | 8     |
| Q20                       | Congenital Malformations of Cardiac Chambers and Connections                            | 0              | 0              | 2                  | 0                          | 2     |
| Q23                       | Congenital Malformations of Aortic and Mitral Valves                                    | 0              | 1              | 2                  | 1                          | 4     |
| Q24                       | Other Congenital Malformations of the Heart                                             | 0              | 0              | 0                  | 1                          | 1     |
| Q25                       | Congenital Malformations of Great Arteries                                              | 0              | 0              | 1                  | 0                          | 1     |
| Q30-Q34                   | Congenital Malformations of the Respiratory System                                      | 2              | 0              | 2                  | 0                          | 4     |
| Q30                       | Congenital Malformations of Nose                                                        | 0              | 0              | 1                  | 0                          | 1     |
| Q33                       | Congenital Malformations of Lung                                                        | 2              | 0              | 1                  | 0                          | 3     |
| Q60-Q64                   | Congenital Malformations of the Urinary System                                          | 4              | 1              | 0                  | 0                          | 5     |
| Q60                       | Renal Agenesis and Other Reduction Defects of Kidney                                    | 2              | 1              | 0                  | 0                          | 3     |
| Q61                       | Cystic Kidney Disease                                                                   | 1              | 0              | 0                  | 0                          | 1     |
| Q63                       | Other Congenital Malformations of Kidney                                                | 1              | 0              | 0                  | 0                          | 1     |
| Q65-Q79                   | Congenital Malformations and Deformations of the Musculoskeletal System                 | 3              | 1              | 0                  | 0                          | 4     |
| Q77                       | Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine                 | 1              | 0              | 0                  | 0                          | 1     |
| Q79                       | Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified            | 2              | 1              | 0                  | 0                          | 3     |
| Q80-Q89                   | Other Congenital Malformations                                                          | 1              | 0              | 0                  | 0                          | 1     |
| Q87                       | Other Specified Congenital Malformation Syndromes Affecting Multiple Systems            | 1              | 0              | 0                  | 0                          | 1     |
| Q90-Q99                   | Chromosomal Abnormalities, Not Elsewhere Classified                                     | 3              | 1              | 0                  | 1                          | 5     |
| Q90                       | Down's Syndrome                                                                         | 1              | 0              | 0                  | 0                          | 1     |
| Q91                       | Edwards' Syndrome and Patau's Syndrome                                                  | 2              | 1              | 0                  | 1                          | 4     |
| R00-R99                   | Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified | 0              | 0              | 3                  | 27                         | 30    |
| R00-R09                   | Symptoms and Signs Involving the Circulatory and Respiratory Systems                    | 0              | 0              | 0                  | 1                          | 1     |
| R06                       | Abnormalities of Breathing                                                              | 0              | 0              | 0                  | 1                          | 1     |
| R95-R99                   | Ill-Defined and Unknown Causes of Mortality                                             | 0              | 0              | 3                  | 26                         | 29    |
| R95                       | Sudden Infant Death Syndrome                                                            | 0              | 0              | 3                  | 21                         | 24    |
| R99                       | Other Ill-Defined and Unspecified Causes of Mortality                                   | 0              | 0              | 0                  | 5                          | 5     |
| V01-Y98                   | External Causes of Morbidity and Mortality                                              | 1              | 0              | 1                  | 6                          | 8     |
| W00-X59                   | Other External Causes of Accidental Injury                                              | 0              | 0              | 1                  | 2                          | 3     |
| W75-W84                   | Other Accidental Threats to Breathing                                                   | 0              | 0              | 1                  | 1                          | 2     |
| W75                       | Accidental Suffocation and Strangulation in Bed                                         | 0              | 0              | 1                  | 1                          | 2     |
| X58-X59                   | Accidental Exposure to Other and Unspecified Factors                                    | 0              | 0              | 0                  | 1                          | 1     |
| X59                       | Exposure to Unspecified Factors                                                         | 0              | 0              | 0                  | 1                          | 1     |
| X85-Y09                   | Assault                                                                                 | 1              | 0              | 0                  | 3                          | 4     |
| X91                       | Assault by Hanging, Strangulation and Suffocation                                       | 1              | 0              | 0                  | 1                          | 2     |
| Y06                       | Neglect and Abandonment                                                                 | 0              | 0              | 0                  | 1                          | 1     |
| Y09                       | Assault by Unspecified Means                                                            | 0              | 0              | 0                  | 1                          | 1     |
| Y10-Y34                   | Event of Undetermined Intent                                                            | 0              | 0              | 0                  | 1                          | 1     |
| Y20                       | Hanging, Strangulation and Suffocation, Undetermined Intent                             | 0              | 0              | 0                  | 1                          | 1     |

Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2011  
Table 30

| ICDA 10<br>Code<br>Number | Cause of Death                                                                             | Birthweight                 |                           |                           |              | Total |
|---------------------------|--------------------------------------------------------------------------------------------|-----------------------------|---------------------------|---------------------------|--------------|-------|
|                           |                                                                                            | Less than<br>1,500<br>Grams | 1,500 -<br>2,499<br>Grams | 2,500<br>Grams<br>or More | Un-<br>known |       |
| A00-Z99                   | Total Deaths, All Causes                                                                   | 59                          | 32                        | 48                        | 2            | 141   |
| A00-B99                   | Certain Infectious and Parasitic Diseases                                                  | 2                           | 1                         | 0                         | 0            | 3     |
| A00-A09                   | Intestinal Infectious Diseases                                                             | 1                           | 0                         | 0                         | 0            | 1     |
| A09                       | Diarrhoea and Gastroenteritis of Presumed Infectious Origin                                | 1                           | 0                         | 0                         | 0            | 1     |
| A30-A49                   | Other Bacterial Diseases                                                                   | 0                           | 1                         | 0                         | 0            | 1     |
| A40                       | Streptococcal Septicemia                                                                   | 0                           | 1                         | 0                         | 0            | 1     |
| B35-B49                   | Mycoses                                                                                    | 1                           | 0                         | 0                         | 0            | 1     |
| B49                       | Unspecified Mycosis                                                                        | 1                           | 0                         | 0                         | 0            | 1     |
| E00-E90                   | Endocrine, Nutritional and Metabolic Diseases                                              | 1                           | 0                         | 0                         | 0            | 1     |
| E70-E90                   | Metabolic Disorders                                                                        | 1                           | 0                         | 0                         | 0            | 1     |
| E87                       | Other Disorders of Fluid, Electrolyte and Acid-Base Balance                                | 1                           | 0                         | 0                         | 0            | 1     |
| G00-G99                   | Diseases of the Nervous System                                                             | 0                           | 0                         | 1                         | 0            | 1     |
| G90-G99                   | Other Disorders of the Nervous System                                                      | 0                           | 0                         | 1                         | 0            | 1     |
| G93                       | Other Disorders of Brain                                                                   | 0                           | 0                         | 1                         | 0            | 1     |
| I00-I99                   | Diseases of the Circulatory System                                                         | 1                           | 0                         | 2                         | 0            | 3     |
| I00-I09, I11, I13         | Diseases of the Heart                                                                      | 0                           | 0                         | 1                         | 0            | 1     |
| I30-I52                   | Other forms of Heart Diseases                                                              | 0                           | 0                         | 1                         | 0            | 1     |
| I51                       | Complications and Ill-Defined Descriptions of Heart Disease                                | 0                           | 0                         | 1                         | 0            | 1     |
| I70-I79                   | Diseases of Arteries, Arterioles and Capillaries                                           | 1                           | 0                         | 0                         | 0            | 1     |
| I74                       | Arterial Embolism and Thrombosis                                                           | 1                           | 0                         | 0                         | 0            | 1     |
| I80-I89                   | Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified             | 0                           | 0                         | 1                         | 0            | 1     |
| I80                       | Phlebitis and Thrombophlebitis                                                             | 0                           | 0                         | 1                         | 0            | 1     |
| J00-J99                   | Diseases of the Respiratory System                                                         | 0                           | 2                         | 3                         | 0            | 5     |
| J09-J18                   | Influenza and Pneumonia                                                                    | 0                           | 2                         | 2                         | 0            | 4     |
| J18                       | Pneumonia, Organism Unspecified                                                            | 0                           | 2                         | 2                         | 0            | 4     |
| J95-J99                   | Other Diseases of the Respiratory System                                                   | 0                           | 0                         | 1                         | 0            | 1     |
| J98                       | Other Respiratory Disorders                                                                | 0                           | 0                         | 1                         | 0            | 1     |
| P00-P96                   | Certain Conditions Originating in the Perinatal Period                                     | 42                          | 8                         | 6                         | 1            | 57    |
| P00-P04                   | Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery | 9                           | 1                         | 0                         | 0            | 10    |
| P00                       | Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy         | 1                           | 0                         | 0                         | 0            | 1     |
| P00.5                     | Maternal Injury                                                                            | 1                           | 0                         | 0                         | 0            | 1     |
| P01                       | Newborn Affected by Maternal Complications of Pregnancy                                    | 4                           | 1                         | 0                         | 0            | 5     |
| P01.0                     | Incompetent Cervix                                                                         | 1                           | 0                         | 0                         | 0            | 1     |
| P01.1                     | Premature Rupture of Membranes                                                             | 3                           | 0                         | 0                         | 0            | 3     |
| P01.8                     | Other Maternal Complications of Pregnancy                                                  | 0                           | 1                         | 0                         | 0            | 1     |
| P02                       | Newborn Affected by Complications of Placenta, Cord and Membranes                          | 4                           | 0                         | 0                         | 0            | 4     |
| P02.1                     | Other Forms of Placenta Separation and Hemorrhage                                          | 1                           | 0                         | 0                         | 0            | 1     |
| P02.7                     | Chorioamnionitis                                                                           | 3                           | 0                         | 0                         | 0            | 3     |
| P05-P08                   | Disorders Related to Length of Gestation and Fetal Growth                                  | 16                          | 0                         | 1                         | 0            | 17    |
| P07                       | Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified         | 16                          | 0                         | 1                         | 0            | 17    |
| P07.2                     | Extreme Immaturity                                                                         | 15                          | 0                         | 0                         | 0            | 15    |
| P07.3                     | Other Preterm Infants                                                                      | 1                           | 0                         | 1                         | 0            | 2     |
| P20-P29                   | Respiratory and Cardiovascular Disorders Specific to the Perinatal Period                  | 13                          | 3                         | 2                         | 0            | 18    |
| P22                       | Respiratory Distress of Newborn                                                            | 6                           | 1                         | 0                         | 0            | 7     |
| P22.0                     | Respiratory Distress Syndrome                                                              | 4                           | 1                         | 0                         | 0            | 5     |
| P22.9                     | Respiratory Distress of Newborn, Unspecified                                               | 2                           | 0                         | 0                         | 0            | 2     |
| P25                       | Interstitial Emphysema and Related Conditions Originating in the Perinatal Period          | 0                           | 1                         | 0                         | 0            | 1     |
| P27                       | Chronic Respiratory Disease Originating in the Perinatal Period                            | 2                           | 0                         | 0                         | 0            | 2     |
| P28                       | Other Respiratory Conditions Originating in the Perinatal Period                           | 3                           | 1                         | 0                         | 0            | 4     |
| P29                       | Cardiovascular Disorders Originating in the Perinatal Period                               | 2                           | 0                         | 2                         | 0            | 4     |
| P29.0                     | Neonatal Cardiac Failure                                                                   | 1                           | 0                         | 0                         | 0            | 1     |
| P29.1                     | Neonatal Cardiac Dysrhythmia                                                               | 1                           | 0                         | 2                         | 0            | 3     |
| P35-P39                   | Infections Specific to the Perinatal Period                                                | 2                           | 1                         | 0                         | 0            | 3     |
| P36                       | Bacterial Sepsis of Newborn                                                                | 2                           | 1                         | 0                         | 0            | 3     |
| P50-P61                   | Hemorrhagic and Hematological Disorders of Newborn                                         | 2                           | 1                         | 0                         | 0            | 3     |
| P50                       | Fetal Blood Loss                                                                           | 0                           | 1                         | 0                         | 0            | 1     |

Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2011  
Table 30 (Cont'd)

| ICDA 10<br>Code<br>Number | Cause of Death                                                                          | Birthweight                 |                           |                           |              | Total |
|---------------------------|-----------------------------------------------------------------------------------------|-----------------------------|---------------------------|---------------------------|--------------|-------|
|                           |                                                                                         | Less than<br>1,500<br>Grams | 1,500 -<br>2,499<br>Grams | 2,500<br>Grams<br>or More | Un-<br>known |       |
| P52                       | Intracranial Nontraumatic Hemorrhage of Newborn                                         | 2                           | 0                         | 0                         | 0            | 2     |
| P70-P74                   | Transitory Endocrine and Metabolic Disorders Specific to Newborn                        | 0                           | 0                         | 1                         | 0            | 1     |
| P70                       | Transitory Disorders of Carbohydrate Metabolism Specific to Newborn                     | 0                           | 0                         | 1                         | 0            | 1     |
| P70.2                     | Neonatal Diabetes Mellitus                                                              | 0                           | 0                         | 1                         | 0            | 1     |
| P75-P78                   | Digestive System Disorders of Newborn                                                   | 1                           | 0                         | 0                         | 0            | 1     |
| P77                       | Necrotizing Enterocolitis of Newborn                                                    | 1                           | 0                         | 0                         | 0            | 1     |
| P80-P83                   | Conditions Involving the Integument and Temperature Regulation of Newborn               | 0                           | 1                         | 1                         | 0            | 2     |
| P83                       | Other Conditions of Integument Specific to Newborn                                      | 0                           | 1                         | 1                         | 0            | 2     |
| P90-P96                   | Other Disorders Originating in the Perinatal Period                                     | 0                           | 1                         | 1                         | 0            | 2     |
| P91                       | Other Disturbances of Cerebral Status of Newborn                                        | 0                           | 1                         | 0                         | 0            | 1     |
| P96                       | Other Conditions Originating in the Perinatal Period                                    | 0                           | 0                         | 1                         | 0            | 1     |
| Q00-Q99                   | Congenital Malformations, Deformations and Chromosomal Abnormalities                    | 10                          | 12                        | 10                        | 1            | 33    |
| Q00-Q07                   | Congenital Malformations of the Nervous System                                          | 2                           | 1                         | 2                         | 0            | 5     |
| Q00                       | Anencephaly and Similar Malformations                                                   | 2                           | 0                         | 0                         | 0            | 2     |
| Q04                       | Other Congenital Malformations of Brain                                                 | 0                           | 1                         | 1                         | 0            | 2     |
| Q07                       | Other Congenital Malformations of Nervous System                                        | 0                           | 0                         | 1                         | 0            | 1     |
| Q10-Q18                   | Congenital Malformations of Eye, Ear, Face and Neck                                     | 1                           | 0                         | 0                         | 0            | 1     |
| Q18                       | Other Congenital Malformations of Face and Neck                                         | 1                           | 0                         | 0                         | 0            | 1     |
| Q20-Q28                   | Congenital Malformations of the Circulatory System                                      | 1                           | 3                         | 4                         | 0            | 8     |
| Q20                       | Congenital Malformations of Cardiac Chambers and Connections                            | 0                           | 0                         | 2                         | 0            | 2     |
| Q23                       | Congenital Malformations of Aortic and Mitral Valves                                    | 0                           | 2                         | 2                         | 0            | 4     |
| Q24                       | Other Congenital Malformations of the Heart                                             | 0                           | 1                         | 0                         | 0            | 1     |
| Q25                       | Congenital Malformations of Great Arteries                                              | 1                           | 0                         | 0                         | 0            | 1     |
| Q30-Q34                   | Congenital Malformations of the Respiratory System                                      | 1                           | 2                         | 0                         | 1            | 4     |
| Q30                       | Congenital Malformations of Nose                                                        | 0                           | 1                         | 0                         | 0            | 1     |
| Q33                       | Congenital Malformations of Lung                                                        | 1                           | 1                         | 0                         | 1            | 3     |
| Q60-Q64                   | Congenital Malformations of the Urinary System                                          | 1                           | 1                         | 3                         | 0            | 5     |
| Q60                       | Renal Agenesis and Other Reduction Defects of Kidney                                    | 0                           | 1                         | 2                         | 0            | 3     |
| Q61                       | Cystic Kidney Disease                                                                   | 1                           | 0                         | 0                         | 0            | 1     |
| Q63                       | Other Congenital Malformations of Kidney                                                | 0                           | 0                         | 1                         | 0            | 1     |
| Q65-Q79                   | Congenital Malformations and Deformations of the Musculoskeletal System                 | 2                           | 1                         | 1                         | 0            | 4     |
| Q77                       | Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine                 | 0                           | 1                         | 0                         | 0            | 1     |
| Q79                       | Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified            | 2                           | 0                         | 1                         | 0            | 3     |
| Q80-Q89                   | Other Congenital Malformations                                                          | 0                           | 1                         | 0                         | 0            | 1     |
| Q87                       | Other Specified Congenital Malformation Syndromes Affecting Multiple Systems            | 0                           | 1                         | 0                         | 0            | 1     |
| Q90-Q99                   | Chromosomal Abnormalities, Not Elsewhere Classified                                     | 2                           | 3                         | 0                         | 0            | 5     |
| Q90                       | Down's Syndrome                                                                         | 1                           | 0                         | 0                         | 0            | 1     |
| Q91                       | Edwards' Syndrome and Patau's Syndrome                                                  | 1                           | 3                         | 0                         | 0            | 4     |
| R00-R99                   | Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified | 2                           | 8                         | 20                        | 0            | 30    |
| R00-R09                   | Symptoms and Signs Involving the Circulatory and Respiratory Systems                    | 0                           | 1                         | 0                         | 0            | 1     |
| R06                       | Abnormalities of Breathing                                                              | 0                           | 1                         | 0                         | 0            | 1     |
| R95-R99                   | Ill-Defined and Unknown Causes of Mortality                                             | 2                           | 7                         | 20                        | 0            | 29    |
| R95                       | Sudden Infant Death Syndrome                                                            | 2                           | 6                         | 16                        | 0            | 24    |
| R99                       | Other Ill-Defined and Unspecified Causes of Mortality                                   | 0                           | 1                         | 4                         | 0            | 5     |
| V01-Y98                   | External Causes of Morbidity and Mortality                                              | 0                           | 1                         | 6                         | 1            | 8     |
| W00-X59                   | Other External Causes of Accidental Injury                                              | 0                           | 1                         | 2                         | 0            | 3     |
| W75-W84                   | Other Accidental Threats to Breathing                                                   | 0                           | 1                         | 1                         | 0            | 2     |
| W75                       | Accidental Suffocation and Strangulation in Bed                                         | 0                           | 1                         | 1                         | 0            | 2     |
| X58-X59                   | Accidental Exposure to Other and Unspecified Factors                                    | 0                           | 0                         | 1                         | 0            | 1     |
| X59                       | Exposure to Unspecified Factors                                                         | 0                           | 0                         | 1                         | 0            | 1     |
| X85-Y09                   | Assault                                                                                 | 0                           | 0                         | 3                         | 1            | 4     |
| X91                       | Assault by Hanging, Strangulation and Suffocation                                       | 0                           | 0                         | 1                         | 1            | 2     |
| Y06                       | Neglect and Abandonment                                                                 | 0                           | 0                         | 1                         | 0            | 1     |
| Y09                       | Assault by Unspecified Means                                                            | 0                           | 0                         | 1                         | 0            | 1     |
| Y10-Y34                   | Event of Undetermined Intent                                                            | 0                           | 0                         | 1                         | 0            | 1     |
| Y20                       | Hanging, Strangulation and Suffocation, Undetermined Intent                             | 0                           | 0                         | 1                         | 0            | 1     |

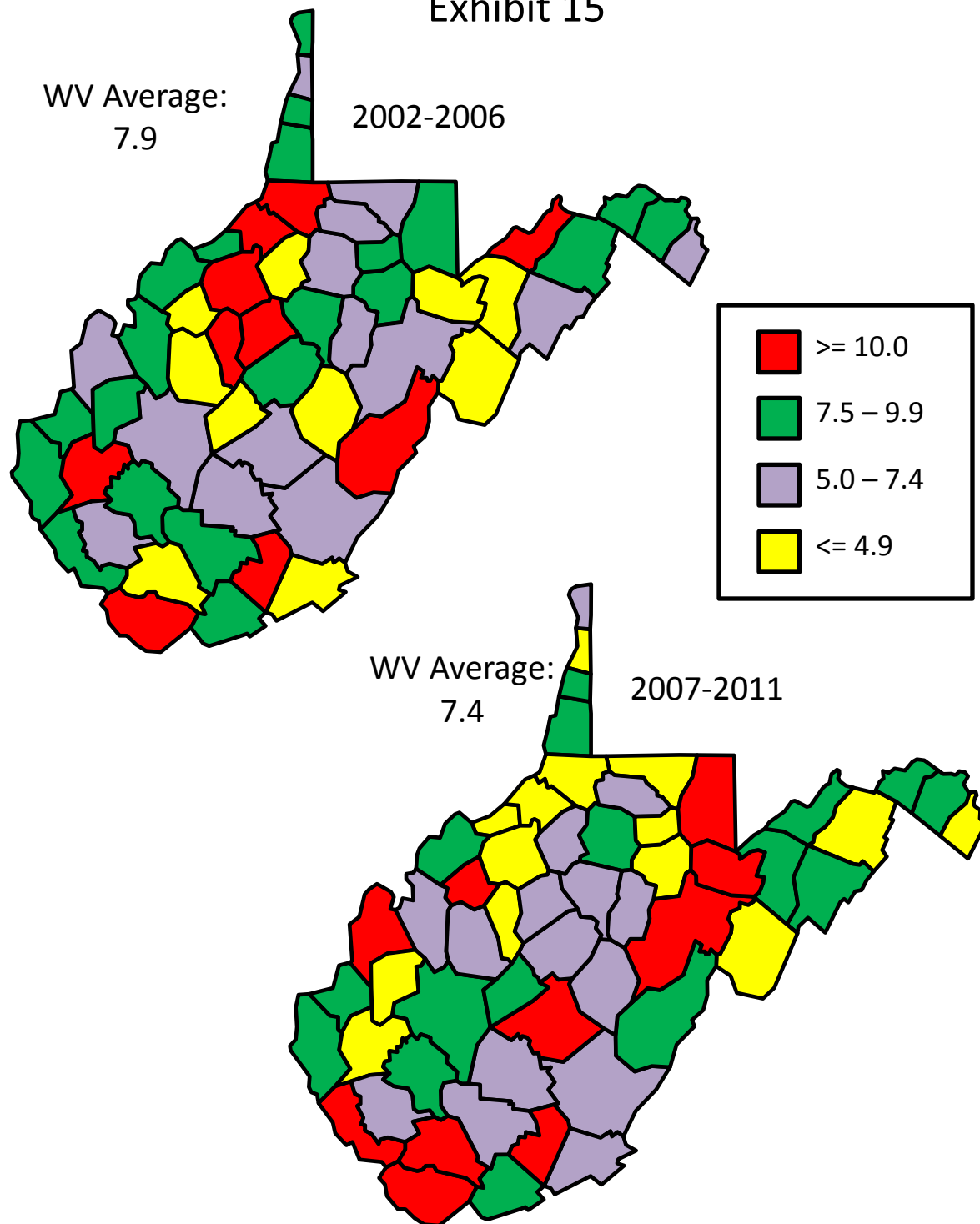
# Births and Infant Deaths by Selected Risk Factors and Demographics West Virginia Residents, 2011 Table 31

| Factor                            | Births |         | Infant Deaths |         |
|-----------------------------------|--------|---------|---------------|---------|
|                                   | Number | Percent | Number        | Percent |
| Total                             | 20,705 |         | 141           |         |
| Birthweight < 2,500 Grams         | 1,986  | 9.6%    | 91            | 76.5%   |
| Birthweight < 1,500 Grams         | 336    | 1.6%    | 59            | 49.6%   |
| Gestational Age < 37 Weeks        | 2,328  | 11.3%   | 90            | 75.6%   |
| Gestational Age 37-38 Weeks       | 5,567  | 26.9%   | 22            | 18.5%   |
| Gestational Age 39+ Weeks         | 12,790 | 61.8%   | 27            | 22.7%   |
| Age of Mother < 20 Years          | 2,462  | 11.9%   | 22            | 15.6%   |
| Age of Mother < 15 Years          | 27     | 0.1%    | 1             | 0.7%    |
| Unmarried Mothers                 | 9,059  | 43.8%   | 74            | 52.5%   |
| Mothers Using Tobacco             | 5,389  | 26.1%   | 56            | 39.7%   |
| Mothers Using Alcohol             | 62     | 0.3%    | 1             | 0.7%    |
| White or Caucasian Mothers        | 19,644 | 95.0%   | 130           | 93.5%   |
| Black or African American Mothers | 713    | 3.4%    | 9             | 6.5%    |
| Mothers of Other Races            | 331    | 1.6%    | 0             | 0.0%    |
| Mothers of Unknown Race           | 17     |         | 2             |         |

Percentages are calculated excluding unknown numbers.

# Resident Infant Death Rates by County West Virginia, 2002-2006 and 2007-2011

Exhibit 15



Causes of Resident Fetal Deaths  
West Virginia, 2007-2011  
Table 32

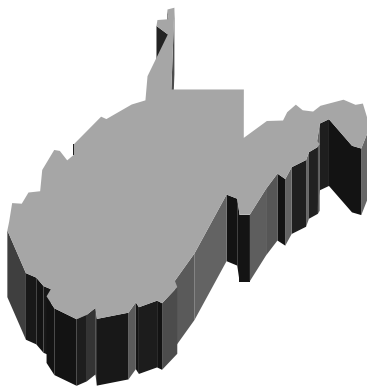
| ICDA 10 Code | Cause of Death                                                                           | 2007 | 2008 | 2009 | 2010 | 2011 |
|--------------|------------------------------------------------------------------------------------------|------|------|------|------|------|
| A00-Z99*     | Total Deaths, All Causes                                                                 | 116  | 94   | 121  | 83   | 90   |
| C00-D48      | Neoplasms                                                                                | 2    | 0    | 2    | 0    | 1    |
| D10-D36      | Benign Neoplasms                                                                         | 2    | 0    | 2    | 0    | 1    |
| D18          | Hemangioma and Lymphangioma, Any Site                                                    | 2    | 0    | 2    | 0    | 1    |
| P00-P96      | Certain Conditions Originating in the Perinatal Period                                   | 106  | 84   | 112  | 76   | 83   |
| P00-P04      | Fetus Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery | 57   | 51   | 56   | 48   | 51   |
| P00          | Fetus Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy         | 3    | 6    | 5    | 6    | 3    |
| P00.0        | Maternal Hypertensive Disorders                                                          | 2    | 4    | 3    | 6    | 3    |
| P00.5        | Maternal Injury                                                                          | 0    | 1    | 1    | 0    | 0    |
| P00.7        | Other Medical Procedures on Mother, Not Elsewhere Classified                             | 1    | 0    | 0    | 0    | 0    |
| P00.8        | Other Maternal Conditions                                                                | 0    | 1    | 1    | 0    | 0    |
| P01          | Fetus Affected by Maternal Complications of Pregnancy                                    | 12   | 9    | 10   | 10   | 8    |
| P01.0        | Incompetent Cervix                                                                       | 5    | 4    | 4    | 2    | 2    |
| P01.1        | Premature Rupture of Membranes                                                           | 2    | 3    | 4    | 5    | 2    |
| P01.2        | Oligohydramnios                                                                          | 2    | 1    | 0    | 2    | 0    |
| P01.3        | Polyhydramnios                                                                           | 1    | 1    | 0    | 0    | 0    |
| P01.5        | Multiple Pregnancy                                                                       | 0    | 0    | 2    | 1    | 4    |
| P01.7        | Malpresentation Before Labor                                                             | 1    | 0    | 0    | 0    | 0    |
| P01.8        | Other Maternal Complications of Pregnancy                                                | 1    | 0    | 0    | 0    | 0    |
| P02          | Fetus Affected by Complications of Placenta, Cord and Membranes                          | 40   | 35   | 36   | 28   | 39   |
| P02.0        | Placenta Previa                                                                          | 0    | 1    | 0    | 0    | 0    |
| P02.1        | Other Forms of Placenta Separation and Hemorrhage                                        | 15   | 14   | 10   | 11   | 10   |
| P02.2        | Other and Unspecified Morphological and Functional Abnormalities of Placenta             | 3    | 4    | 3    | 2    | 0    |
| P02.3        | Placental Transfusion Syndromes                                                          | 1    | 0    | 0    | 0    | 0    |
| P02.5        | Other Compression of Umbilical Cord                                                      | 18   | 16   | 23   | 12   | 26   |
| P02.6        | Other and Unspecified Conditions of Umbilical Cord                                       | 0    | 0    | 0    | 0    | 1    |
| P02.7        | Chorioamnionitis                                                                         | 3    | 0    | 0    | 3    | 1    |
| P02.9        | Abnormality of Membranes, Unspecified                                                    | 0    | 0    | 0    | 0    | 1    |
| P03          | Fetus Affected by Other Complications of Labor and Delivery                              | 2    | 1    | 4    | 3    | 1    |
| P04          | Fetus Affected by Noxious Influences Transmitted Via Placenta or Breast Milk             | 0    | 0    | 1    | 1    | 0    |
| P05-P08      | Disorders Related to Length of Gestation and Fetal Growth                                | 9    | 6    | 7    | 5    | 1    |
| P05          | Slow Fetal Growth and Fetal Malnutrition                                                 | 0    | 0    | 0    | 1    | 0    |
| P07          | Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified       | 9    | 6    | 7    | 4    | 1    |
| P07.2        | Extreme Immaturity                                                                       | 5    | 2    | 4    | 2    | 0    |
| P07.3        | Other Preterm Infants                                                                    | 4    | 4    | 3    | 2    | 1    |
| P20-P29      | Respiratory and Cardiovascular Disorders Specific to the Perinatal Period                | 6    | 5    | 5    | 2    | 1    |
| P20          | Intrauterine Hypoxia                                                                     | 1    | 0    | 1    | 0    | 0    |
| P23          | Congenital Pneumonia                                                                     | 1    | 0    | 0    | 0    | 0    |
| P28          | Other Respiratory Conditions Originating in the Perinatal Period                         | 0    | 1    | 1    | 0    | 0    |
| P29          | Cardiovascular Disorders Originating in the Perinatal Period                             | 4    | 4    | 3    | 2    | 1    |
| P29.0        | Neonatal Cardiac Failure                                                                 | 2    | 2    | 1    | 2    | 0    |
| P29.1        | Neonatal Cardiac Dysrhythmia                                                             | 2    | 2    | 2    | 0    | 1    |
| P35-P39      | Infections Specific to the Perinatal Period                                              | 0    | 0    | 1    | 0    | 0    |
| P39          | Other Infections Specific to the Perinatal Period                                        | 0    | 0    | 1    | 0    | 0    |

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Causes of Resident Fetal Deaths  
West Virginia, 2006-2010  
Table 32 (Cont'd)

| ICDA 10<br>Code | Cause of Death                                                                          | 2006 | 2007 | 2008 | 2009 | 2010 |
|-----------------|-----------------------------------------------------------------------------------------|------|------|------|------|------|
| P70-P74         | Transitory Endocrine and Metabolic Disorders Specific to Fetus                          | 2    | 2    | 2    | 1    | 3    |
| P70             | Transitory Disorders of Carbohydrate Metabolism Specific to Fetus                       | 2    | 2    | 2    | 1    | 3    |
| P70.0           | Syndrome of "Infant of Mother with Gestational Diabetes                                 | 0    | 1    | 1    | 1    | 2    |
| P70.1           | Syndrome of "Infant of a Diabetic Mother                                                | 2    | 1    | 1    | 0    | 1    |
| P80-P83         | Conditions Involving the Integument and Temperature Regulation of Fetus                 | 2    | 1    | 2    | 1    | 0    |
| P83             | Other Conditions of Integument Specific to Fetus                                        | 2    | 1    | 2    | 1    | 0    |
| P90-P96         | Other Disorders Originating in the Perinatal Period                                     | 30   | 19   | 39   | 19   | 27   |
| P96             | Other Conditions Originating in the Perinatal Period                                    | 30   | 19   | 39   | 19   | 27   |
| Q00-Q99         | Congenital Malformations, Deformations and Chromosomal Abnormalities                    | 8    | 10   | 6    | 7    | 6    |
| Q00-Q07         | Congenital Malformations of the Nervous System                                          | 1    | 4    | 0    | 1    | 0    |
| Q00             | Anencephaly and Similar Malformations                                                   | 0    | 3    | 0    | 0    | 0    |
| Q03             | Congenital Hydrocephalus                                                                | 1    | 0    | 0    | 0    | 0    |
| Q04             | Other Congenital Malformations of Brain                                                 | 0    | 1    | 0    | 0    | 0    |
| Q07             | Other Congenital Malformations of Nervous System                                        | 0    | 0    | 0    | 1    | 0    |
| Q20-Q28         | Congenital Malformations of the Circulatory System                                      | 0    | 2    | 1    | 1    | 0    |
| Q24             | Other Congenital Malformations of the Heart                                             | 0    | 2    | 1    | 1    | 0    |
| Q50-Q56         | Congenial Malformations of Genital Organs                                               | 1    | 0    | 0    | 0    | 0    |
| Q55             | Other Congenial Malformations of Male Genital Organs                                    | 1    | 0    | 0    | 0    | 0    |
| Q60-Q64         | Congenital Malformations of the Urinary System                                          | 1    | 0    | 1    | 0    | 1    |
| Q60             | Renal Agenesis and Other Reduction Defects of Kidney                                    | 0    | 0    | 0    | 0    | 1    |
| Q64             | Other Congenital Malformations of Urinary System                                        | 1    | 0    | 1    | 0    | 0    |
| Q65-Q79         | Congenital Malformations and Deformations of the Musculoskeletal System                 | 0    | 2    | 0    | 2    | 0    |
| Q79             | Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified            | 0    | 2    | 0    | 2    | 0    |
| Q80-Q89         | Other Congenital Malformations                                                          | 3    | 2    | 2    | 2    | 0    |
| Q82             | Other Congenital Malformations of Skin                                                  | 1    | 0    | 0    | 0    | 0    |
| Q89             | Other Congenital Malformations, Not Elsewhere Classified                                | 2    | 2    | 2    | 2    | 0    |
| Q90-Q99         | Chromosomal Abnormalities, Not Elsewhere Classified                                     | 2    | 0    | 2    | 1    | 5    |
| Q91             | Edwards' Syndrome and Patau's Syndrome                                                  | 2    | 0    | 0    | 1    | 5    |
| Q96             | Turner's Syndrome                                                                       | 0    | 0    | 1    | 0    | 0    |
| Q99             | Other Chromosome Abnormalities, Not Elsewhere Classified                                | 0    | 0    | 1    | 0    | 0    |
| R00-R99         | Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified | 0    | 0    | 1    | 0    | 0    |
| R95-R99         | III-Defined and Unknown Causes of Mortality                                             | 0    | 0    | 1    | 0    | 0    |
| R96             | Other Sudden Death, Cause Unknown                                                       | 0    | 0    | 1    | 0    | 0    |

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



## Induced Terminations of Pregnancy (ITOP) Summary

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

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

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

West Virginia legal code requires clinics to provide counseling and informational guidance to females seeking an abortion. All but two of the 2011 ITOP records indicate the female did in fact receive counseling, same as 2010. There are some isolated incidents where the abortion needs to be informed due to a medical emergency. In 2011, there were two ITOPs performed due to a medical emergency compared to five in 2010.

In 2011, there were 1,837 ITOPs performed in West Virginia, 8.1% less than in 2010 (1,999). Nearly eight out of every nine (88.5%) ITOPs involved a West Virginia resident, while 6.0% were Kentucky residents and 4.8% were residents of Ohio, compared with 2010 percentages of 87.5%, 6.0% and 5.2%, respectively. The median age of women having an ITOP in 2011 was 24, same as 2010. There were 91 procedures in 2011 involving females under the age of 18, of which 89 were performed on unemancipated\*minors, compared with 127 in 2010, of which 114 were performed on unemancipated minors. Eighty-two percent (82.5%) of the 2011 ITOPs performed in West Virginia involved women who were not married at the time. Over one-third (35.7%) of the 2011 ITOPs involved women who had never had a previous live birth, while 87.6% were to women who had two or fewer children. There were six ITOPs performed on a woman who had six or more children. Nearly sixty-four percent (63.9%) involved women for whom it was their first ITOP, while nearly all (95.5%) involved women who had two or fewer previous ITOPs. Fourteen (14) ITOPs were 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, 2011  
Table 33

| Age of Female | Weeks of Gestation |      |       |       |       |            |         | Total |
|---------------|--------------------|------|-------|-------|-------|------------|---------|-------|
|               | Less than 9        | 9-10 | 11-12 | 13-15 | 16-19 | 20 or More | Unknown |       |
| 10-14         | 6                  | 6    | 0     | 0     | 0     | 0          | 0       | 12    |
| 15-17         | 40                 | 16   | 17    | 1     | 5     | 0          | 0       | 79    |
| 18-19         | 139                | 34   | 25    | 13    | 7     | 0          | 0       | 218   |
| 20-24         | 371                | 111  | 81    | 32    | 15    | 3          | 1       | 614   |
| 25-29         | 250                | 77   | 53    | 32    | 10    | 3          | 0       | 425   |
| 30-34         | 182                | 48   | 35    | 9     | 9     | 2          | 0       | 285   |
| 35-39         | 106                | 23   | 21    | 8     | 2     | 0          | 0       | 160   |
| 40-44         | 31                 | 6    | 2     | 2     | 2     | 0          | 0       | 43    |
| 45+           | 0                  | 1    | 0     | 0     | 0     | 0          | 0       | 1     |
| Unknown       | 0                  | 0    | 0     | 0     | 0     | 0          | 0       | 0     |
| Total         | 1,125              | 322  | 234   | 97    | 50    | 8          | 1       | 1,837 |

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

Induced Terminations of Pregnancy  
By Age of Female and Marital Status  
West Virginia Occurrences, 2011  
Table 34

| Age of Female | Marital Status |               |          |           |         |         | Total |
|---------------|----------------|---------------|----------|-----------|---------|---------|-------|
|               | Married        | Never Married | Divorced | Separated | Widowed | Unknown |       |
| 10-14         | 0              | 12            | 0        | 0         | 0       | 0       | 12    |
| 15-17         | 2              | 77            | 0        | 0         | 0       | 0       | 79    |
| 18-19         | 9              | 208           | 0        | 1         | 0       | 0       | 218   |
| 20-24         | 54             | 550           | 5        | 5         | 0       | 0       | 614   |
| 25-29         | 76             | 320           | 17       | 11        | 1       | 0       | 425   |
| 30-34         | 87             | 170           | 24       | 3         | 1       | 0       | 285   |
| 35-39         | 48             | 89            | 20       | 3         | 0       | 0       | 160   |
| 40-44         | 17             | 19            | 2        | 4         | 1       | 0       | 43    |
| 45+           | 1              | 0             | 0        | 0         | 0       | 0       | 1     |
| Unknown       | 0              | 0             | 0        | 0         | 0       | 0       | 0     |
| Total         | 294            | 1,445         | 68       | 27        | 3       | 0       | 1,837 |

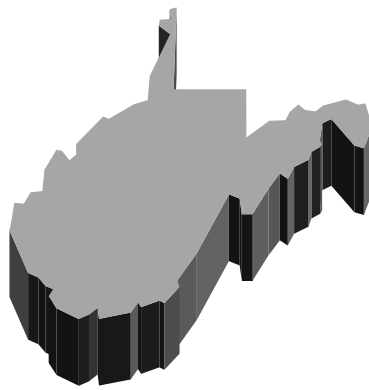
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Induced Terminations of Pregnancy  
By Age of Female and Previous Live Births  
West Virginia Occurrences, 2011  
Table 35

| Age of Female | Previous Live Births |     |     |       |              | Total |
|---------------|----------------------|-----|-----|-------|--------------|-------|
|               | None                 | One | Two | Three | Four or More |       |
| 10-14         | 12                   | 0   | 0   | 0     | 0            | 12    |
| 15-17         | 72                   | 7   | 0   | 0     | 0            | 79    |
| 18-19         | 151                  | 55  | 12  | 0     | 0            | 218   |
| 20-24         | 254                  | 228 | 108 | 17    | 7            | 614   |
| 25-29         | 95                   | 135 | 123 | 58    | 14           | 425   |
| 30-34         | 42                   | 88  | 80  | 49    | 26           | 285   |
| 35-39         | 21                   | 41  | 56  | 30    | 12           | 160   |
| 40-44         | 9                    | 7   | 13  | 11    | 3            | 43    |
| 45+           | 0                    | 0   | 1   | 0     | 0            | 1     |
| Unknown       | 0                    | 0   | 0   | 0     | 0            | 0     |
| Total         | 656                  | 561 | 393 | 165   | 62           | 1,837 |

Previous Induced Terminations of Pregnancy  
By Age of Female  
West Virginia Occurrences, 2011  
Table 36

| Age of Female | Previous Induced Terminations |     |     |       |              |         | Total |
|---------------|-------------------------------|-----|-----|-------|--------------|---------|-------|
|               | None                          | One | Two | Three | Four or More | Unknown |       |
| 10-14         | 12                            | 0   | 0   | 0     | 0            | 0       | 12    |
| 15-17         | 74                            | 5   | 0   | 0     | 0            | 0       | 79    |
| 18-19         | 172                           | 36  | 9   | 1     | 0            | 0       | 218   |
| 20-24         | 427                           | 136 | 39  | 10    | 2            | 0       | 614   |
| 25-29         | 248                           | 112 | 36  | 15    | 14           | 0       | 425   |
| 30-34         | 136                           | 95  | 26  | 13    | 15           | 0       | 285   |
| 35-39         | 79                            | 57  | 13  | 5     | 6            | 0       | 160   |
| 40-44         | 25                            | 11  | 6   | 0     | 1            | 0       | 43    |
| 45+           | 1                             | 0   | 0   | 0     | 0            | 0       | 1     |
| Unknown       | 0                             | 0   | 0   | 0     | 0            | 0       | 0     |
| Total         | 1,174                         | 452 | 129 | 44    | 38           | 0       | 1,837 |



West Virginia Vital Statistics

# **Marriages & Divorces**



## Marriages

For the second straight year, the number of marriages in West Virginia increased, from 12,662 in 2010 to 13,271 in 2011. The marriage rate in 2011 was 7.2 per 1,000 population, higher than the 2010 rate of 6.8. The 2011 U.S. provisional rate was 6.8.

For all marriages in 2011, the median age was 28 for brides and 31 for grooms. The mode (most frequently reported age) for all marriages was 24 for brides and 25 for grooms. There were 135 brides and 25 grooms aged less than 18. There were 176 brides and 332 grooms over the age of 65. Also in 2011, there were 220 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 21 for brides and 25 for grooms. All of West Virginia's brides and grooms less than 18 years of age were in their first marriage. There were seven brides and three grooms over the age of 65 for which it was a first marriage.

## Divorces and Annulments

The number of divorces and annulments increased by 189 or 2.0%, from 9,431 in 2010 to 9,620 in 2011. The 2011 rate of 5.2 per 1,000 population was a little higher than the 2010 rate of 5.1.

Of the 9,620 divorces in West Virginia in 2011, the median duration of marriage was six years. Approximately one out of every five (20.3%) West Virginia divorces with a known duration in 2011 involved marriages lasting only two years or less; 7.8% involved marriages of 25 years or longer. There were twelve (12) divorces involving a wife aged less than 18 and there were two husbands under age 18. During 2011, 104 divorces involved a wife aged 65 or older and 249 involved a husband in the age group.

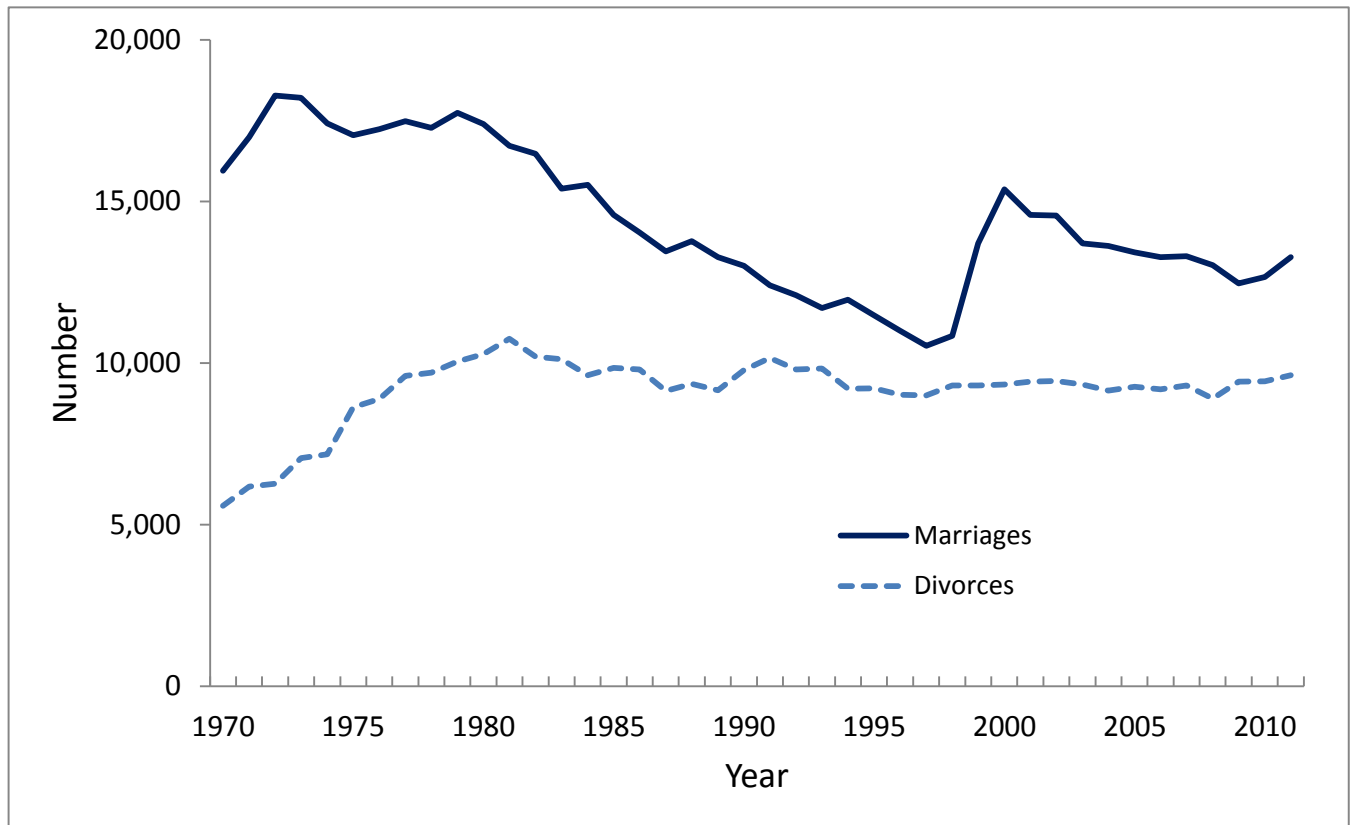
Over one-half (53.2%) of the divorces involved no children under 18 years of age in the family, while one child was involved in 22.8% of all divorces and two children were involved in 17.4%. Four divorces involved six or more children.

## Note Regarding Marriage and Divorce/Annulment Statistics

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



# Marriages and Divorces West Virginia, 1970-2011 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                   |
| 2005 | 13,423    | 9,269                   |
| 2006 | 13,276    | 9,191                   |
| 2007 | 13,308    | 9,305                   |
| 2008 | 13,025    | 8,903                   |
| 2009 | 12,463    | 9,420                   |
| 2010 | 12,662    | 9,431                   |
| 2011 | 13,271    | 9,620                   |

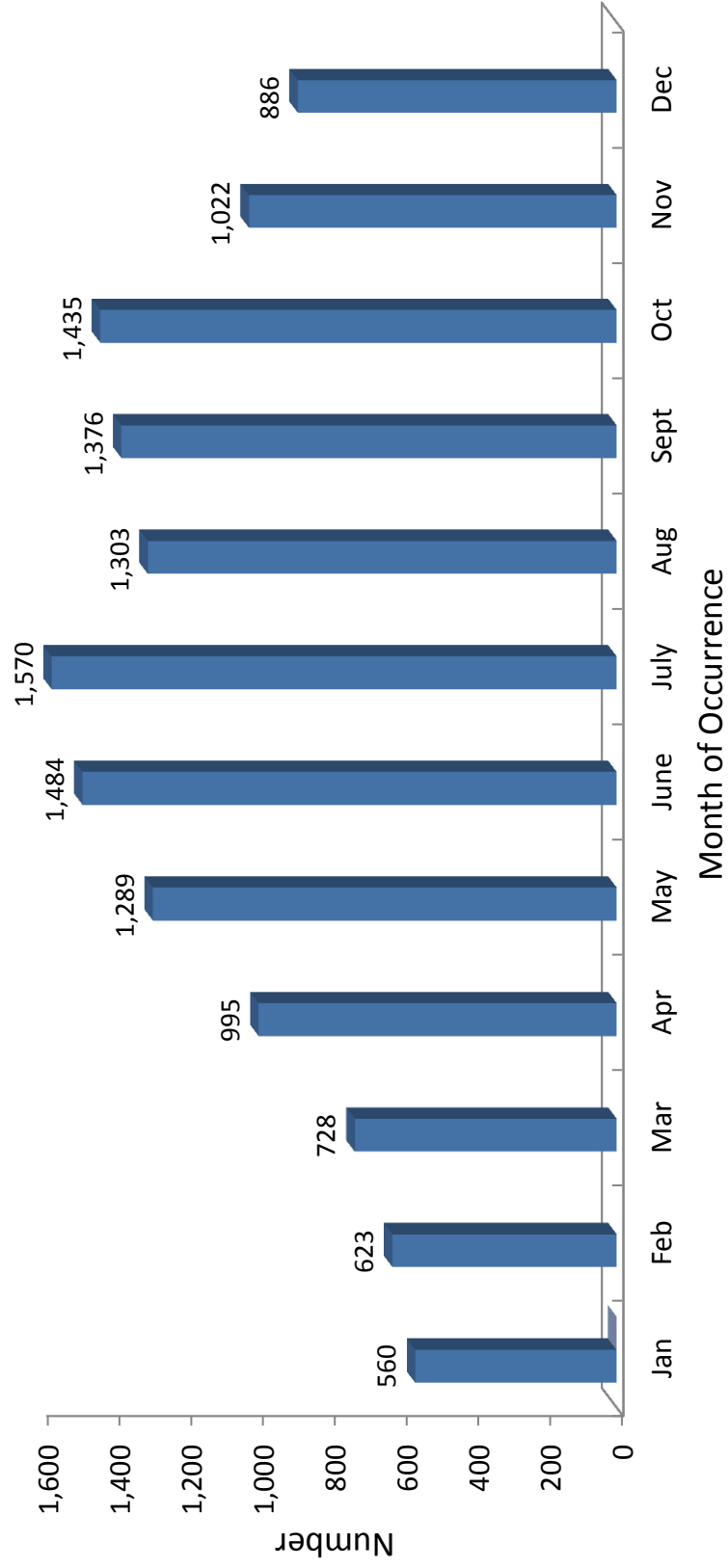
Marriages by Age of Bride and Groom  
West Virginia, 2011  
Table 37

| Age of Bride    | Age of Groom   |                |                |                |                |                |                |                |                |                |                    |         | Total  |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|---------|--------|
|                 | 10-14<br>Years | 15-19<br>Years | 20-24<br>Years | 25-29<br>Years | 30-34<br>Years | 35-39<br>Years | 40-44<br>Years | 45-49<br>Years | 50-54<br>Years | 55-59<br>Years | 60 Years<br>& Over | Unknown |        |
| 10-14 Years     | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0                  | 0       | 0      |
| 15-19 Years     | 0              | 338            | 580            | 103            | 35             | 8              | 4              | 2              | 1              | 0              | 1                  | 0       | 1,072  |
| 20-24 Years     | 0              | 112            | 1,753          | 1,139          | 310            | 118            | 41             | 19             | 11             | 3              | 3                  | 0       | 3,509  |
| 25-29 Years     | 0              | 12             | 303            | 1,219          | 730            | 281            | 95             | 35             | 21             | 8              | 2                  | 0       | 2,706  |
| 30-34 Years     | 0              | 4              | 77             | 307            | 649            | 426            | 213            | 87             | 33             | 15             | 10                 | 0       | 1,821  |
| 35-39 Years     | 0              | 0              | 27             | 83             | 193            | 377            | 291            | 160            | 55             | 26             | 13                 | 0       | 1,225  |
| 40-44 Years     | 0              | 1              | 10             | 22             | 70             | 161            | 295            | 235            | 125            | 43             | 31                 | 0       | 993    |
| 45-49 Years     | 0              | 0              | 2              | 10             | 16             | 40             | 122            | 215            | 198            | 87             | 44                 | 0       | 734    |
| 50-54 Years     | 0              | 0              | 1              | 1              | 4              | 13             | 40             | 79             | 167            | 120            | 87                 | 0       | 512    |
| 55-59 Years     | 0              | 0              | 1              | 0              | 2              | 3              | 5              | 27             | 49             | 104            | 118                | 0       | 309    |
| 60 Years & Over | 0              | 0              | 0              | 0              | 1              | 3              | 0              | 7              | 23             | 24             | 330                | 0       | 388    |
| Unknown         | 0              | 0              | 1              | 0              | 0              | 0              | 1              | 0              | 0              | 0              | 0                  | 0       | 2      |
| Total           | 0              | 467            | 2,755          | 2,884          | 2,010          | 1,430          | 1,107          | 866            | 683            | 430            | 639                | 0       | 13,271 |

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

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# Marriages by Month of Occurrence West Virginia, 2010 Exhibit 17



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**Marriages by Previous Marital Status**  
**West Virginia, 2011**  
**Table 38**

| Bride         | Groom         |         |          |          |            | Total  |
|---------------|---------------|---------|----------|----------|------------|--------|
|               | Never Married | Widowed | Divorced | Annulled | Not Stated |        |
| Never Married | 6,047         | 57      | 1,410    | 10       | 0          | 7,524  |
| Widowed       | 75            | 153     | 268      | 1        | 0          | 497    |
| Divorced      | 1,525         | 239     | 3,437    | 12       | 2          | 5,215  |
| Annulled      | 6             | 2       | 12       | 3        | 0          | 23     |
| Not Stated    | 2             | 1       | 8        | 0        | 1          | 12     |
| Total         | 7,655         | 452     | 5,135    | 26       | 3          | 13,271 |

**Marriages by Number of Previous Marriages**  
**West Virginia, 2011**  
**Table 39**

| Bride                           | Groom                    |                       |                        |                          |                                 |            | Total  |
|---------------------------------|--------------------------|-----------------------|------------------------|--------------------------|---------------------------------|------------|--------|
|                                 | Never Previously Married | One Previous Marriage | Two Previous Marriages | Three Previous Marriages | Four or More Previous Marriages | Not Stated |        |
| Never Previously Married        | 6,047                    | 1,193                 | 236                    | 35                       | 13                              | 0          | 7,524  |
| One Previous Marriage           | 1,284                    | 1,768                 | 571                    | 138                      | 30                              | 1          | 3,792  |
| Two Previous Marriages          | 241                      | 636                   | 382                    | 84                       | 38                              | 0          | 1,381  |
| Three Previous Marriages        | 65                       | 166                   | 119                    | 47                       | 8                               | 0          | 405    |
| Four or More Previous Marriages | 17                       | 67                    | 42                     | 23                       | 13                              | 0          | 162    |
| Not Stated                      | 1                        | 3                     | 2                      | 0                        | 0                               | 1          | 7      |
| Total                           | 7,655                    | 3,833                 | 1,352                  | 327                      | 102                             | 2          | 13,271 |

West Virginia Bureau for Public Health  
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Divorces and Annulments by Age of Husband and Wife  
West Virginia, 2011  
Table 40

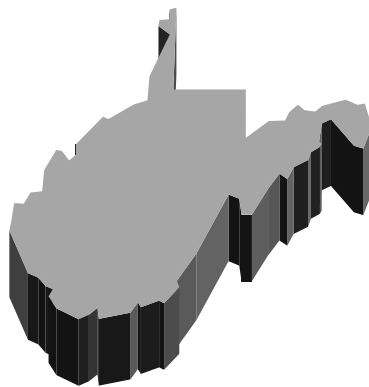
| Age of Wife     | Age of Husband |                |                |                |                |                |                |                |                |                |                       |              | Total |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|--------------|-------|
|                 | 10-14<br>Years | 15-19<br>Years | 20-24<br>Years | 25-29<br>Years | 30-34<br>Years | 35-39<br>Years | 40-44<br>Years | 45-49<br>Years | 50-54<br>Years | 55-59<br>Years | 60<br>Years &<br>Over | Un-<br>known |       |
| 10-14 Years     | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0              | 0                     | 0            | 0     |
| 15-19 Years     | 0              | 19             | 82             | 20             | 8              | 1              | 1              | 0              | 0              | 0              | 0                     | 1            | 132   |
| 20-24 Years     | 0              | 10             | 424            | 369            | 94             | 38             | 6              | 5              | 1              | 0              | 0                     | 14           | 961   |
| 25-29 Years     | 0              | 1              | 74             | 636            | 497            | 158            | 69             | 20             | 9              | 3              | 0                     | 17           | 1,484 |
| 30-34 Years     | 0              | 0              | 21             | 159            | 584            | 494            | 195            | 59             | 31             | 11             | 7                     | 25           | 1,586 |
| 35-39 Years     | 0              | 0              | 9              | 45             | 195            | 593            | 429            | 173            | 60             | 30             | 15                    | 14           | 1,563 |
| 40-44 Years     | 0              | 0              | 2              | 11             | 45             | 197            | 479            | 370            | 107            | 41             | 28                    | 14           | 1,294 |
| 45-49 Years     | 0              | 0              | 1              | 4              | 17             | 63             | 145            | 340            | 244            | 104            | 46                    | 18           | 982   |
| 50-54 Years     | 0              | 0              | 0              | 0              | 3              | 12             | 46             | 97             | 226            | 139            | 77                    | 6            | 606   |
| 55-59 Years     | 0              | 0              | 1              | 0              | 0              | 6              | 11             | 27             | 65             | 121            | 104                   | 1            | 336   |
| 60 Years & Over | 0              | 0              | 0              | 0              | 0              | 0              | 6              | 6              | 23             | 40             | 236                   | 7            | 318   |
| Unknown         | 0              | 0              | 18             | 25             | 25             | 26             | 18             | 18             | 19             | 10             | 14                    | 185          | 358   |
| Total           | 0              | 30             | 632            | 1,269          | 1,468          | 1,588          | 1,405          | 1,115          | 785            | 499            | 527                   | 302          | 9,620 |

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Divorces and Annulments by Duration of Marriage and Number of Children  
West Virginia, 2011  
Table 41

| 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                  | 352                                               | 49    | 18    | 4     | 3    | 0    | 0           | 0         |
| 1 to 4 Years                  | 1,847                                             | 746   | 280   | 57    | 8    | 0    | 0           | 0         |
| 5 to 9 Years                  | 1,124                                             | 593   | 504   | 172   | 22   | 4    | 0           | 0         |
| 10 to 14 Years                | 510                                               | 349   | 443   | 164   | 26   | 6    | 2           | 0         |
| 15 to 19 Years                | 336                                               | 202   | 296   | 89    | 20   | 7    | 2           | 0         |
| 20 to 24 Years                | 301                                               | 166   | 95    | 34    | 6    | 1    | 0           | 0         |
| 25 to 29 Years                | 279                                               | 64    | 25    | 5     | 2    | 0    | 0           | 1         |
| 30 to 34 Years                | 162                                               | 12    | 4     | 0     | 2    | 0    | 0           | 0         |
| 35 to 39 Years                | 89                                                | 3     | 2     | 1     | 0    | 0    | 0           | 0         |
| 40 to 44 Years                | 52                                                | 2     | 0     | 0     | 0    | 0    | 0           | 0         |
| 45 to 49 Years                | 24                                                | 0     | 0     | 0     | 0    | 0    | 0           | 0         |
| 50 to 54 Years                | 9                                                 | 0     | 0     | 1     | 0    | 0    | 0           | 0         |
| 55 to 59 Years                | 4                                                 | 0     | 0     | 0     | 0    | 0    | 0           | 0         |
| 60 Years & Over               | 1                                                 | 0     | 0     | 0     | 0    | 0    | 0           | 0         |
| Unknown                       | 23                                                | 8     | 5     | 2     | 0    | 0    | 0           | 0         |
| Total                         | 5,113                                             | 2,194 | 1,672 | 529   | 89   | 18   | 4           | 1         |
|                               |                                                   |       |       |       |      |      |             | 9,620     |

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West Virginia Vital Statistics  
**County-Level Data**



## County and City Summary

Beginning with the *West Virginia Vital Statistics 2008* report, the Health Statistics Center began 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 or more, it was then decided to include data for the state's 25 most populated cities, regardless of the size of the population. It has now increased 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, 2011  
Table 42

| County     | Residence |                            | Occurrence | County     | Residence |                            | Occurrence |
|------------|-----------|----------------------------|------------|------------|-----------|----------------------------|------------|
|            | Number    | Rate per 1,000 Population* |            |            | Number    | Rate per 1,000 Population* |            |
| Barbour    | 183       | 11.1                       | 1          | Monongalia | 1,050     | 10.7                       | 2,376      |
| Berkeley   | 1,354     | 12.8                       | 928        | Monroe     | 141       | 10.4                       | 2          |
| Boone      | 306       | 12.5                       | 1          | Morgan     | 157       | 9.0                        | 0          |
| Braxton    | 154       | 10.6                       | 5          | Nicholas   | 301       | 11.5                       | 320        |
| Brooke     | 181       | 7.6                        | 387        | Ohio       | 456       | 10.3                       | 1,410      |
| Cabell     | 1,214     | 12.6                       | 2,932      | Pendleton  | 85        | 11.1                       | 0          |
| Calhoun    | 90        | 11.8                       | 0          | Pleasants  | 51        | 6.7                        | 0          |
| Clay       | 115       | 12.3                       | 0          | Pocahontas | 88        | 10.0                       | 8          |
| Doddridge  | 60        | 7.3                        | 2          | Preston    | 376       | 11.1                       | 34         |
| Fayette    | 589       | 12.9                       | 4          | Putnam     | 607       | 10.8                       | 26         |
| Gilmer     | 66        | 7.6                        | 1          | Raleigh    | 978       | 12.4                       | 1,460      |
| Grant      | 115       | 9.7                        | 226        | Randolph   | 303       | 10.3                       | 336        |
| Greenbrier | 341       | 9.5                        | 588        | Ritchie    | 101       | 9.8                        | 2          |
| Hampshire  | 223       | 9.4                        | 4          | Roane      | 155       | 10.4                       | 4          |
| Hancock    | 310       | 10.1                       | 0          | Summers    | 131       | 9.4                        | 2          |
| Hardy      | 137       | 9.8                        | 0          | Taylor     | 177       | 10.5                       | 1          |
| Harrison   | 809       | 11.7                       | 900        | Tucker     | 64        | 9.1                        | 1          |
| Jackson    | 310       | 10.6                       | 2          | Tyler      | 90        | 9.9                        | 0          |
| Jefferson  | 634       | 11.7                       | 298        | Upshur     | 274       | 11.3                       | 288        |
| Kanawha    | 2,148     | 11.2                       | 3,976      | Wayne      | 383       | 9.1                        | 3          |
| Lewis      | 205       | 12.5                       | 352        | Webster    | 106       | 11.6                       | 1          |
| Lincoln    | 274       | 12.7                       | 0          | Wetzel     | 170       | 10.4                       | 3          |
| Logan      | 452       | 12.4                       | 319        | Wirt       | 52        | 9.0                        | 0          |
| McDowell   | 254       | 11.7                       | 45         | Wood       | 990       | 11.4                       | 1,597      |
| Marion     | 679       | 12.0                       | 445        | Wyoming    | 250       | 10.7                       | 0          |
| Marshall   | 285       | 8.7                        | 92         |            |           |                            |            |
| Mason      | 274       | 10.0                       | 214        |            |           |                            |            |
| Mercer     | 770       | 12.3                       | 1,255      | Total      | 20,705    | 11.2                       | 20,959     |
| Mineral    | 291       | 10.3                       | 4          |            |           |                            |            |
| Mingo      | 346       | 13.0                       | 104        |            |           |                            |            |

\*Rates are calculated per 1,000 population. 2011 population estimates are from the U.S. Bureau of the Census.

Number of Births by County of Residence  
West Virginia, 2007-2011  
Table 43

| County     | 2007  | 2008  | 2009  | 2010  | 2011  | County     | 2007   | 2008   | 2009   | 2010   | 2011   |
|------------|-------|-------|-------|-------|-------|------------|--------|--------|--------|--------|--------|
| Barbour    | 194   | 174   | 171   | 152   | 183   | Monongalia | 907    | 921    | 927    | 974    | 1,050  |
| Berkeley   | 1,517 | 1,434 | 1,352 | 1,282 | 1,354 | Monroe     | 142    | 150    | 132    | 133    | 141    |
| Boone      | 322   | 353   | 327   | 307   | 306   | Morgan     | 170    | 160    | 162    | 131    | 157    |
| Braxton    | 176   | 148   | 160   | 162   | 154   | Nicholas   | 324    | 311    | 332    | 291    | 301    |
| Brooke     | 220   | 223   | 208   | 202   | 181   | Ohio       | 509    | 464    | 508    | 472    | 456    |
| Cabell     | 1,234 | 1,259 | 1,263 | 1,143 | 1,214 | Pendleton  | 72     | 74     | 97     | 70     | 85     |
| Calhoun    | 83    | 77    | 92    | 84    | 90    | Pleasants  | 82     | 77     | 64     | 56     | 51     |
| Clay       | 147   | 142   | 132   | 132   | 115   | Pocahontas | 97     | 92     | 101    | 79     | 88     |
| Doddridge  | 65    | 74    | 77    | 71    | 60    | Preston    | 345    | 367    | 352    | 332    | 376    |
| Fayette    | 628   | 568   | 606   | 567   | 589   | Putnam     | 640    | 614    | 601    | 583    | 607    |
| Gilmer     | 80    | 56    | 72    | 78    | 66    | Raleigh    | 990    | 925    | 970    | 974    | 978    |
| Grant      | 125   | 126   | 134   | 128   | 115   | Randolph   | 347    | 326    | 293    | 283    | 303    |
| Greenbrier | 402   | 399   | 397   | 353   | 341   | Ritchie    | 104    | 113    | 103    | 83     | 101    |
| Hampshire  | 268   | 264   | 237   | 225   | 223   | Roane      | 174    | 165    | 148    | 157    | 155    |
| Hancock    | 319   | 331   | 293   | 289   | 310   | Summers    | 122    | 116    | 123    | 107    | 131    |
| Hardy      | 177   | 165   | 158   | 148   | 137   | Taylor     | 165    | 161    | 198    | 179    | 177    |
| Harrison   | 810   | 855   | 826   | 798   | 809   | Tucker     | 83     | 66     | 69     | 68     | 64     |
| Jackson    | 330   | 364   | 325   | 334   | 310   | Tyler      | 96     | 75     | 100    | 80     | 90     |
| Jefferson  | 725   | 688   | 627   | 602   | 634   | Upshur     | 273    | 256    | 268    | 273    | 274    |
| Kanawha    | 2,368 | 2,395 | 2,280 | 2,206 | 2,148 | Wayne      | 460    | 460    | 410    | 366    | 383    |
| Lewis      | 233   | 202   | 192   | 189   | 205   | Webster    | 118    | 109    | 134    | 99     | 106    |
| Lincoln    | 268   | 273   | 257   | 257   | 274   | Wetzel     | 164    | 171    | 174    | 170    | 170    |
| Logan      | 458   | 420   | 426   | 437   | 452   | Wirt       | 50     | 62     | 40     | 67     | 52     |
| McDowell   | 294   | 302   | 293   | 278   | 254   | Wood       | 1,046  | 957    | 1,037  | 969    | 990    |
| Marion     | 664   | 625   | 647   | 677   | 679   | Wyoming    | 250    | 259    | 268    | 264    | 250    |
| Marshall   | 356   | 330   | 329   | 323   | 285   |            |        |        |        |        |        |
| Mason      | 340   | 313   | 279   | 309   | 274   | Total      | 22,017 | 21,493 | 21,275 | 20,471 | 20,705 |
| Mercer     | 755   | 814   | 817   | 789   | 770   |            |        |        |        |        |        |
| Mineral    | 333   | 320   | 320   | 301   | 291   |            |        |        |        |        |        |
| Mingo      | 396   | 348   | 367   | 388   | 346   |            |        |        |        |        |        |

West Virginia Bureau for Public Health  
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Number and Percent of Low Birthweight (LBW) Births  
By County of Residence  
West Virginia, 2011  
Table 44

| County     | Number of Births | Low Birthweight* | Percent LBW | County     | Number of Births | Low Birthweight* | Percent LBW |
|------------|------------------|------------------|-------------|------------|------------------|------------------|-------------|
| Barbour    | 183              | 9                | 4.9%        | Monongalia | 1,050            | 79               | 7.5%        |
| Berkeley   | 1,354            | 95               | 7.0%        | Monroe     | 141              | 7                | 5.0%        |
| Boone      | 306              | 22               | 7.2%        | Morgan     | 157              | 16               | 10.2%       |
| Braxton    | 154              | 18               | 11.7%       | Nicholas   | 301              | 37               | 12.3%       |
| Brooke     | 181              | 17               | 9.4%        | Ohio       | 456              | 50               | 11.0%       |
| Cabell     | 1,214            | 109              | 9.0%        | Pendleton  | 85               | 10               | 11.9%       |
| Calhoun    | 90               | 19               | 21.1%       | Pleasants  | 51               | 3                | 5.9%        |
| Clay       | 115              | 10               | 8.8%        | Pocahontas | 88               | 11               | 12.6%       |
| Doddridge  | 60               | 3                | 5.0%        | Preston    | 376              | 45               | 12.0%       |
| Fayette    | 589              | 66               | 11.2%       | Putnam     | 607              | 53               | 8.7%        |
| Gilmer     | 66               | 6                | 9.1%        | Raleigh    | 978              | 96               | 9.8%        |
| Grant      | 115              | 10               | 8.7%        | Randolph   | 303              | 30               | 9.9%        |
| Greenbrier | 341              | 24               | 7.0%        | Ritchie    | 101              | 10               | 9.9%        |
| Hampshire  | 223              | 14               | 6.3%        | Roane      | 155              | 9                | 5.8%        |
| Hancock    | 310              | 23               | 7.4%        | Summers    | 131              | 17               | 13.0%       |
| Hardy      | 137              | 14               | 10.2%       | Taylor     | 177              | 26               | 14.7%       |
| Harrison   | 809              | 72               | 8.9%        | Tucker     | 64               | 3                | 4.7%        |
| Jackson    | 310              | 24               | 7.8%        | Tyler      | 90               | 5                | 5.6%        |
| Jefferson  | 634              | 57               | 9.0%        | Upshur     | 274              | 24               | 8.8%        |
| Kanawha    | 2,148            | 221              | 10.3%       | Wayne      | 383              | 48               | 12.5%       |
| Lewis      | 205              | 24               | 11.7%       | Webster    | 106              | 15               | 14.2%       |
| Lincoln    | 274              | 39               | 14.2%       | Wetzel     | 170              | 16               | 9.4%        |
| Logan      | 452              | 42               | 9.3%        | Wirt       | 52               | 3                | 5.8%        |
| McDowell   | 254              | 29               | 11.4%       | Wood       | 990              | 96               | 9.7%        |
| Marion     | 679              | 55               | 8.1%        | Wyoming    | 250              | 37               | 14.8%       |
| Marshall   | 285              | 33               | 11.6%       |            |                  |                  |             |
| Mason      | 274              | 24               | 8.8%        |            |                  |                  |             |
| Mercer     | 770              | 102              | 13.3%       | Total      | 20,705           | 1,986            | 9.6%        |
| Mineral    | 291              | 19               | 6.5%        |            |                  |                  |             |
| Mingo      | 346              | 40               | 11.6%       |            |                  |                  |             |

\* < 2,500 grams

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health  
Health Statistics Center, 2014

Age of Mother by County  
West Virginia Resident Births, 2011

Table 45

| County     | Age of Mother  |                |                |                |                |                |                |                |                       |              | Total  |
|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|--------------|--------|
|            | 10-14<br>Years | 15-17<br>Years | 18-19<br>Years | 20-24<br>Years | 25-29<br>Years | 30-34<br>Years | 35-39<br>Years | 40-44<br>Years | 45<br>Years &<br>Over | Un-<br>known |        |
| Barbour    | 1              | 4              | 12             | 71             | 49             | 35             | 8              | 3              | 0                     | 0            | 183    |
| Berkeley   | 2              | 31             | 86             | 373            | 445            | 280            | 104            | 30             | 3                     | 0            | 1,354  |
| Boone      | 0              | 18             | 29             | 106            | 83             | 50             | 14             | 4              | 2                     | 0            | 306    |
| Braxton    | 1              | 4              | 20             | 65             | 37             | 21             | 2              | 2              | 2                     | 0            | 154    |
| Brooke     | 0              | 5              | 10             | 58             | 56             | 35             | 16             | 1              | 0                     | 0            | 181    |
| Cabell     | 3              | 40             | 117            | 331            | 369            | 246            | 91             | 17             | 0                     | 0            | 1,214  |
| Calhoun    | 0              | 2              | 8              | 30             | 21             | 20             | 4              | 3              | 2                     | 0            | 90     |
| Clay       | 0              | 1              | 11             | 50             | 31             | 13             | 8              | 0              | 1                     | 0            | 115    |
| Doddridge  | 0              | 3              | 5              | 16             | 19             | 11             | 3              | 3              | 0                     | 0            | 60     |
| Fayette    | 1              | 26             | 72             | 171            | 170            | 89             | 51             | 8              | 1                     | 0            | 589    |
| Gilmer     | 0              | 0              | 4              | 25             | 18             | 14             | 5              | 0              | 0                     | 0            | 66     |
| Grant      | 0              | 4              | 12             | 42             | 29             | 16             | 8              | 4              | 0                     | 0            | 115    |
| Greenbrier | 0              | 10             | 28             | 125            | 81             | 60             | 27             | 10             | 0                     | 0            | 341    |
| Hampshire  | 0              | 11             | 25             | 62             | 61             | 45             | 14             | 5              | 0                     | 0            | 223    |
| Hancock    | 0              | 4              | 21             | 88             | 93             | 64             | 29             | 11             | 0                     | 0            | 310    |
| Hardy      | 1              | 4              | 6              | 54             | 37             | 24             | 10             | 1              | 0                     | 0            | 137    |
| Harrison   | 0              | 30             | 79             | 250            | 229            | 151            | 51             | 15             | 4                     | 0            | 809    |
| Jackson    | 0              | 8              | 21             | 102            | 98             | 58             | 21             | 1              | 1                     | 0            | 310    |
| Jefferson  | 1              | 17             | 35             | 153            | 193            | 151            | 60             | 23             | 1                     | 0            | 634    |
| Kanawha    | 4              | 70             | 167            | 592            | 656            | 441            | 177            | 36             | 5                     | 0            | 2,148  |
| Lewis      | 0              | 7              | 22             | 71             | 50             | 40             | 12             | 3              | 0                     | 0            | 205    |
| Lincoln    | 0              | 20             | 31             | 103            | 68             | 36             | 13             | 3              | 0                     | 0            | 274    |
| Logan      | 0              | 29             | 48             | 164            | 103            | 78             | 27             | 2              | 1                     | 0            | 452    |
| McDowell   | 1              | 17             | 31             | 107            | 52             | 29             | 16             | 0              | 0                     | 1            | 254    |
| Marion     | 1              | 3              | 51             | 198            | 185            | 178            | 51             | 11             | 1                     | 0            | 679    |
| Marshall   | 0              | 11             | 30             | 82             | 76             | 66             | 13             | 5              | 2                     | 0            | 285    |
| Mason      | 0              | 11             | 26             | 86             | 89             | 40             | 19             | 2              | 1                     | 0            | 274    |
| Mercer     | 4              | 29             | 74             | 268            | 195            | 129            | 49             | 17             | 4                     | 1            | 770    |
| Mineral    | 1              | 11             | 32             | 98             | 85             | 38             | 21             | 5              | 0                     | 0            | 291    |
| Mingo      | 0              | 16             | 28             | 139            | 89             | 43             | 22             | 9              | 0                     | 0            | 346    |
| Monongalia | 0              | 11             | 40             | 227            | 362            | 280            | 105            | 22             | 3                     | 0            | 1,050  |
| Monroe     | 0              | 3              | 13             | 43             | 37             | 28             | 10             | 7              | 0                     | 0            | 141    |
| Morgan     | 0              | 5              | 13             | 44             | 49             | 33             | 11             | 2              | 0                     | 0            | 157    |
| Nicholas   | 0              | 12             | 24             | 100            | 80             | 63             | 15             | 6              | 1                     | 0            | 301    |
| Ohio       | 1              | 19             | 34             | 126            | 126            | 97             | 44             | 8              | 1                     | 0            | 456    |
| Pendleton  | 0              | 2              | 4              | 27             | 29             | 18             | 4              | 1              | 0                     | 0            | 85     |
| Pleasants  | 0              | 2              | 6              | 24             | 8              | 5              | 6              | 0              | 0                     | 0            | 51     |
| Pocahontas | 0              | 1              | 5              | 27             | 33             | 15             | 6              | 0              | 1                     | 0            | 88     |
| Preston    | 1              | 17             | 30             | 101            | 101            | 97             | 23             | 6              | 0                     | 0            | 376    |
| Putnam     | 0              | 13             | 34             | 138            | 185            | 159            | 63             | 13             | 2                     | 0            | 607    |
| Raleigh    | 2              | 28             | 103            | 321            | 281            | 171            | 52             | 15             | 5                     | 0            | 978    |
| Randolph   | 1              | 11             | 32             | 105            | 68             | 66             | 16             | 4              | 0                     | 0            | 303    |
| Ritchie    | 0              | 4              | 9              | 30             | 35             | 14             | 7              | 2              | 0                     | 0            | 101    |
| Roane      | 0              | 6              | 8              | 58             | 42             | 22             | 15             | 1              | 3                     | 0            | 155    |
| Summers    | 0              | 7              | 12             | 41             | 36             | 23             | 11             | 0              | 1                     | 0            | 131    |
| Taylor     | 0              | 6              | 14             | 51             | 62             | 27             | 15             | 1              | 1                     | 0            | 177    |
| Tucker     | 0              | 0              | 7              | 17             | 20             | 15             | 3              | 1              | 1                     | 0            | 64     |
| Tyler      | 0              | 3              | 13             | 36             | 24             | 10             | 3              | 1              | 0                     | 0            | 90     |
| Upshur     | 0              | 5              | 32             | 80             | 86             | 50             | 16             | 4              | 1                     | 0            | 274    |
| Wayne      | 0              | 10             | 37             | 134            | 100            | 68             | 24             | 8              | 2                     | 0            | 383    |
| Webster    | 0              | 2              | 17             | 41             | 21             | 17             | 4              | 3              | 1                     | 0            | 106    |
| Wetzel     | 1              | 7              | 19             | 65             | 35             | 31             | 10             | 2              | 0                     | 0            | 170    |
| Wirt       | 0              | 4              | 4              | 16             | 20             | 5              | 2              | 1              | 0                     | 0            | 52     |
| Wood       | 0              | 29             | 91             | 313            | 302            | 178            | 64             | 10             | 3                     | 0            | 990    |
| Wyoming    | 0              | 12             | 28             | 90             | 59             | 45             | 10             | 5              | 1                     | 0            | 250    |
| Total      | 27             | 665            | 1,770          | 6,335          | 5,968          | 4,038          | 1,485          | 357            | 58                    | 2            | 20,705 |

Mother's Marital Status and Method of Paternity Establishment for  
Unmarried Mothers by County  
West Virginia Occurrence Births, 2011  
Table 46

| County     | Total Births | Mother's Marital Status |           | Mother Unmarried with Paternity Established |                                     | Mother Unmarried with Father Unknown |
|------------|--------------|-------------------------|-----------|---------------------------------------------|-------------------------------------|--------------------------------------|
|            |              | Married*                | Unmarried | Paternity Affidavit Accepted                | Father Established by Other Methods |                                      |
| Barbour    | 1            | 1                       | 0         | 0                                           | 0                                   | 0                                    |
| Berkeley   | 928          | 411                     | 517       | 382                                         | 38                                  | 97                                   |
| Boone      | 1            | 1                       | 0         | 0                                           | 0                                   | 0                                    |
| Braxton    | 5            | 2                       | 3         | 0                                           | 2                                   | 1                                    |
| Brooke     | 387          | 179                     | 208       | 154                                         | 15                                  | 39                                   |
| Cabell     | 2,932        | 1,676                   | 1,256     | 845                                         | 122                                 | 289                                  |
| Calhoun    | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Clay       | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Doddridge  | 2            | 1                       | 1         | 0                                           | 1                                   | 0                                    |
| Fayette    | 4            | 4                       | 0         | 0                                           | 0                                   | 0                                    |
| Gilmer     | 1            | 1                       | 0         | 0                                           | 0                                   | 0                                    |
| Grant      | 226          | 111                     | 115       | 84                                          | 5                                   | 26                                   |
| Greenbrier | 588          | 295                     | 293       | 205                                         | 33                                  | 55                                   |
| Hampshire  | 4            | 3                       | 1         | 0                                           | 0                                   | 1                                    |
| Hancock    | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Hardy      | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Harrison   | 900          | 479                     | 421       | 332                                         | 34                                  | 55                                   |
| Jackson    | 2            | 2                       | 0         | 0                                           | 0                                   | 0                                    |
| Jefferson  | 298          | 125                     | 173       | 132                                         | 18                                  | 23                                   |
| Kanawha    | 3,976        | 2,307                   | 1,669     | 1,217                                       | 211                                 | 241                                  |
| Lewis      | 352          | 153                     | 199       | 146                                         | 20                                  | 33                                   |
| Lincoln    | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Logan      | 319          | 149                     | 170       | 97                                          | 33                                  | 40                                   |
| McDowell   | 45           | 19                      | 26        | 13                                          | 8                                   | 5                                    |
| Marion     | 445          | 215                     | 230       | 171                                         | 18                                  | 41                                   |
| Marshall   | 92           | 35                      | 57        | 36                                          | 12                                  | 9                                    |
| Mason      | 214          | 101                     | 113       | 87                                          | 9                                   | 17                                   |
| Mercer     | 1,255        | 693                     | 562       | 348                                         | 79                                  | 135                                  |
| Mineral    | 4            | 4                       | 0         | 0                                           | 0                                   | 0                                    |
| Mingo      | 104          | 58                      | 46        | 20                                          | 13                                  | 13                                   |
| Monongalia | 2,376        | 1,601                   | 775       | 551                                         | 74                                  | 150                                  |
| Monroe     | 2            | 2                       | 0         | 0                                           | 0                                   | 0                                    |
| Morgan     | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Nicholas   | 320          | 148                     | 172       | 113                                         | 24                                  | 35                                   |
| Ohio       | 1,410        | 762                     | 648       | 477                                         | 45                                  | 126                                  |
| Pendleton  | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Pleasants  | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Pocahontas | 8            | 6                       | 2         | 2                                           | 0                                   | 0                                    |
| Preston    | 34           | 17                      | 17        | 13                                          | 1                                   | 3                                    |
| Putnam     | 26           | 17                      | 9         | 8                                           | 0                                   | 1                                    |
| Raleigh    | 1,460        | 771                     | 689       | 466                                         | 80                                  | 143                                  |
| Randolph   | 336          | 170                     | 166       | 131                                         | 11                                  | 24                                   |
| Ritchie    | 2            | 0                       | 2         | 1                                           | 1                                   | 0                                    |
| Roane      | 4            | 2                       | 2         | 2                                           | 0                                   | 0                                    |
| Summers    | 2            | 1                       | 1         | 1                                           | 0                                   | 0                                    |
| Taylor     | 1            | 1                       | 0         | 0                                           | 0                                   | 0                                    |
| Tucker     | 1            | 1                       | 0         | 0                                           | 0                                   | 0                                    |
| Tyler      | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Upshur     | 288          | 175                     | 113       | 71                                          | 13                                  | 29                                   |
| Wayne      | 3            | 2                       | 1         | 1                                           | 0                                   | 0                                    |
| Webster    | 1            | 0                       | 1         | 1                                           | 0                                   | 0                                    |
| Wetzel     | 3            | 1                       | 2         | 2                                           | 0                                   | 0                                    |
| Wirt       | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Wood       | 1,597        | 874                     | 723       | 515                                         | 85                                  | 123                                  |
| Wyoming    | 0            | 0                       | 0         | 0                                           | 0                                   | 0                                    |
| Total      | 20,959       | 11,576                  | 9,383     | 6,624                                       | 1,005                               | 1,754                                |

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\*Includes 9 births with unknown marital status.

Births by Month by County  
West Virginia Residents, 2011  
Table 47

| County     | Jan   | Feb   | Mar   | April | May   | June  | July  | Aug   | Sept  | Oct   | Nov   | Dec   | Total  |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Barbour    | 20    | 10    | 6     | 18    | 14    | 10    | 17    | 16    | 25    | 17    | 18    | 12    | 183    |
| Berkeley   | 105   | 123   | 105   | 103   | 102   | 114   | 129   | 132   | 144   | 105   | 95    | 97    | 1,354  |
| Boone      | 28    | 20    | 25    | 32    | 27    | 30    | 30    | 31    | 23    | 21    | 17    | 22    | 306    |
| Braxton    | 17    | 11    | 8     | 9     | 12    | 18    | 14    | 13    | 9     | 20    | 11    | 12    | 154    |
| Brooke     | 13    | 12    | 16    | 13    | 19    | 15    | 23    | 17    | 14    | 18    | 9     | 12    | 181    |
| Cabell     | 94    | 83    | 85    | 99    | 90    | 118   | 115   | 116   | 107   | 101   | 94    | 112   | 1,214  |
| Calhoun    | 4     | 8     | 8     | 7     | 5     | 11    | 3     | 6     | 7     | 8     | 11    | 12    | 90     |
| Clay       | 13    | 6     | 13    | 7     | 8     | 10    | 14    | 12    | 7     | 10    | 6     | 9     | 115    |
| Doddridge  | 5     | 5     | 7     | 4     | 6     | 6     | 6     | 7     | 2     | 3     | 4     | 5     | 60     |
| Fayette    | 52    | 49    | 30    | 50    | 49    | 48    | 57    | 62    | 51    | 42    | 50    | 49    | 589    |
| Gilmer     | 9     | 4     | 4     | 6     | 2     | 8     | 7     | 6     | 3     | 8     | 7     | 2     | 66     |
| Grant      | 7     | 13    | 7     | 14    | 10    | 6     | 6     | 10    | 6     | 7     | 11    | 18    | 115    |
| Greenbrier | 25    | 34    | 26    | 23    | 28    | 29    | 26    | 31    | 34    | 24    | 28    | 33    | 341    |
| Hampshire  | 22    | 14    | 17    | 23    | 18    | 13    | 27    | 15    | 20    | 16    | 20    | 18    | 223    |
| Hancock    | 25    | 30    | 27    | 25    | 19    | 28    | 19    | 25    | 26    | 25    | 35    | 26    | 310    |
| Hardy      | 13    | 12    | 13    | 8     | 12    | 14    | 7     | 14    | 10    | 11    | 11    | 12    | 137    |
| Harrison   | 62    | 54    | 72    | 68    | 60    | 81    | 66    | 86    | 57    | 65    | 64    | 74    | 809    |
| Jackson    | 25    | 21    | 27    | 22    | 27    | 29    | 25    | 30    | 35    | 25    | 21    | 23    | 310    |
| Jefferson  | 40    | 46    | 55    | 67    | 55    | 49    | 53    | 61    | 55    | 64    | 29    | 60    | 634    |
| Kanawha    | 177   | 144   | 165   | 153   | 148   | 197   | 219   | 206   | 215   | 163   | 179   | 182   | 2,148  |
| Lewis      | 22    | 14    | 18    | 17    | 21    | 24    | 15    | 13    | 12    | 12    | 18    | 19    | 205    |
| Lincoln    | 21    | 26    | 26    | 24    | 25    | 29    | 21    | 20    | 24    | 14    | 27    | 17    | 274    |
| Logan      | 45    | 30    | 38    | 25    | 43    | 38    | 39    | 39    | 41    | 30    | 38    | 46    | 452    |
| McDowell   | 24    | 20    | 20    | 15    | 24    | 13    | 28    | 25    | 23    | 28    | 17    | 17    | 254    |
| Marion     | 55    | 56    | 54    | 61    | 57    | 70    | 56    | 56    | 49    | 52    | 55    | 58    | 679    |
| Marshall   | 25    | 20    | 34    | 21    | 33    | 16    | 25    | 26    | 16    | 23    | 26    | 20    | 285    |
| Mason      | 28    | 13    | 20    | 20    | 20    | 15    | 36    | 27    | 33    | 16    | 27    | 19    | 274    |
| Mercer     | 58    | 51    | 49    | 73    | 58    | 72    | 75    | 78    | 67    | 57    | 63    | 69    | 770    |
| Mineral    | 26    | 31    | 25    | 22    | 16    | 22    | 27    | 26    | 17    | 33    | 23    | 23    | 291    |
| Mingo      | 24    | 27    | 33    | 23    | 19    | 26    | 29    | 31    | 36    | 32    | 33    | 33    | 346    |
| Monongalia | 96    | 74    | 95    | 77    | 88    | 93    | 97    | 98    | 102   | 84    | 72    | 74    | 1,050  |
| Monroe     | 11    | 12    | 3     | 8     | 18    | 8     | 15    | 17    | 14    | 13    | 10    | 12    | 141    |
| Morgan     | 14    | 11    | 14    | 17    | 8     | 7     | 15    | 14    | 12    | 13    | 17    | 15    | 157    |
| Nicholas   | 27    | 24    | 24    | 20    | 31    | 22    | 29    | 34    | 19    | 15    | 29    | 27    | 301    |
| Ohio       | 33    | 35    | 25    | 33    | 36    | 44    | 33    | 50    | 45    | 42    | 41    | 39    | 456    |
| Pendleton  | 7     | 4     | 9     | 6     | 6     | 4     | 8     | 7     | 7     | 7     | 10    | 10    | 85     |
| Pleasants  | 8     | 6     | 6     | 8     | 5     | 4     | 5     | 1     | 1     | 2     | 3     | 2     | 51     |
| Pocahontas | 8     | 3     | 10    | 9     | 9     | 11    | 4     | 9     | 6     | 9     | 6     | 4     | 88     |
| Preston    | 31    | 32    | 30    | 36    | 30    | 27    | 45    | 35    | 31    | 29    | 26    | 24    | 376    |
| Putnam     | 37    | 53    | 48    | 50    | 53    | 51    | 59    | 58    | 55    | 45    | 46    | 52    | 607    |
| Raleigh    | 76    | 67    | 87    | 79    | 81    | 90    | 83    | 101   | 97    | 73    | 68    | 76    | 978    |
| Randolph   | 26    | 19    | 22    | 26    | 30    | 29    | 30    | 25    | 32    | 21    | 21    | 22    | 303    |
| Ritchie    | 8     | 11    | 7     | 14    | 4     | 11    | 8     | 4     | 14    | 8     | 7     | 5     | 101    |
| Roane      | 16    | 9     | 13    | 15    | 14    | 12    | 14    | 10    | 11    | 16    | 10    | 15    | 155    |
| Summers    | 16    | 7     | 9     | 12    | 15    | 14    | 13    | 14    | 5     | 11    | 5     | 10    | 131    |
| Taylor     | 10    | 18    | 14    | 16    | 13    | 10    | 14    | 16    | 17    | 19    | 15    | 15    | 177    |
| Tucker     | 3     | 6     | 3     | 5     | 8     | 7     | 6     | 4     | 7     | 0     | 7     | 8     | 64     |
| Tyler      | 10    | 4     | 8     | 2     | 8     | 8     | 11    | 9     | 8     | 11    | 4     | 7     | 90     |
| Upshur     | 21    | 21    | 23    | 22    | 21    | 17    | 26    | 31    | 25    | 26    | 30    | 11    | 274    |
| Wayne      | 27    | 36    | 30    | 32    | 35    | 33    | 32    | 29    | 33    | 22    | 41    | 33    | 383    |
| Webster    | 8     | 7     | 10    | 12    | 5     | 12    | 13    | 10    | 7     | 7     | 6     | 9     | 106    |
| Wetzel     | 14    | 7     | 16    | 14    | 14    | 16    | 17    | 12    | 17    | 16    | 17    | 10    | 170    |
| Wirt       | 5     | 5     | 5     | 4     | 4     | 5     | 8     | 2     | 5     | 5     | 3     | 1     | 52     |
| Wood       | 92    | 77    | 80    | 85    | 73    | 97    | 81    | 88    | 84    | 87    | 71    | 75    | 990    |
| Wyoming    | 21    | 24    | 19    | 22    | 21    | 22    | 16    | 25    | 17    | 18    | 17    | 28    | 250    |
| Total      | 1,709 | 1,559 | 1,643 | 1,676 | 1,657 | 1,813 | 1,896 | 1,940 | 1,839 | 1,649 | 1,629 | 1,695 | 20,705 |

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Place of Delivery, Gender of Child by Race and Marital Status of Mother by County  
West Virginia Resident Births, 2011

Table 48

| 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    | 182               | 1              | 88                 | 89     | 0                         | 0      | 4               | 2      | 87                                    | 183    |
| Berkeley   | 1,321             | 33             | 640                | 598    | 47                        | 40     | 13              | 14     | 564                                   | 1,354  |
| Boone      | 305               | 1              | 177                | 125    | 1                         | 0      | 3               | 0      | 146                                   | 306    |
| Braxton    | 152               | 2              | 88                 | 66     | 0                         | 0      | 0               | 0      | 77                                    | 154    |
| Brooke     | 181               | 0              | 81                 | 96     | 2                         | 1      | 0               | 0      | 90                                    | 181    |
| Cabell     | 1,207             | 7              | 568                | 558    | 35                        | 22     | 17              | 12     | 552                                   | 1,214  |
| Calhoun    | 89                | 1              | 44                 | 46     | 0                         | 0      | 0               | 0      | 41                                    | 90     |
| Clay       | 115               | 0              | 65                 | 50     | 0                         | 0      | 0               | 0      | 54                                    | 115    |
| Doddridge  | 58                | 2              | 29                 | 30     | 0                         | 0      | 1               | 0      | 23                                    | 60     |
| Fayette    | 584               | 5              | 287                | 277    | 9                         | 10     | 1               | 4      | 301                                   | 589    |
| Gilmer     | 65                | 1              | 33                 | 33     | 0                         | 0      | 0               | 0      | 26                                    | 66     |
| Grant      | 112               | 3              | 61                 | 54     | 0                         | 0      | 0               | 0      | 47                                    | 115    |
| Greenbrier | 330               | 11             | 172                | 155    | 3                         | 5      | 2               | 4      | 163                                   | 341    |
| Hampshire  | 214               | 9              | 117                | 103    | 1                         | 1      | 0               | 1      | 102                                   | 223    |
| Hancock    | 310               | 0              | 164                | 131    | 3                         | 7      | 1               | 4      | 151                                   | 310    |
| Hardy      | 126               | 11             | 71                 | 60     | 1                         | 2      | 2               | 1      | 59                                    | 137    |
| Harrison   | 807               | 2              | 419                | 372    | 4                         | 6      | 4               | 4      | 374                                   | 809    |
| Jackson    | 308               | 2              | 156                | 152    | 1                         | 0      | 0               | 1      | 124                                   | 310    |
| Jefferson  | 530               | 104            | 290                | 291    | 19                        | 15     | 10              | 9      | 246                                   | 634    |
| Kanawha    | 2,137             | 11             | 1,009              | 928    | 95                        | 72     | 21              | 23     | 998                                   | 2,148  |
| Lewis      | 204               | 1              | 109                | 92     | 0                         | 1      | 3               | 0      | 105                                   | 205    |
| Lincoln    | 273               | 1              | 132                | 139    | 2                         | 0      | 1               | 0      | 134                                   | 274    |
| Logan      | 452               | 0              | 247                | 198    | 2                         | 3      | 1               | 1      | 181                                   | 452    |
| McDowell   | 248               | 6              | 119                | 113    | 12                        | 4      | 1               | 5      | 120                                   | 254    |
| Marion     | 677               | 2              | 332                | 306    | 14                        | 21     | 2               | 3      | 284                                   | 679    |
| Marshall   | 284               | 1              | 164                | 115    | 2                         | 1      | 3               | 0      | 144                                   | 285    |
| Mason      | 270               | 4              | 141                | 129    | 1                         | 1      | 0               | 2      | 116                                   | 274    |
| Mercer     | 741               | 29             | 368                | 334    | 32                        | 23     | 5               | 6      | 384                                   | 770    |
| Mineral    | 287               | 4              | 130                | 147    | 2                         | 8      | 2               | 2      | 130                                   | 291    |
| Mingo      | 346               | 0              | 189                | 151    | 3                         | 3      | 0               | 0      | 144                                   | 346    |
| Monongalia | 1,042             | 8              | 492                | 463    | 19                        | 9      | 30              | 35     | 297                                   | 1,050  |
| Monroe     | 125               | 16             | 76                 | 62     | 0                         | 2      | 1               | 0      | 50                                    | 141    |
| Morgan     | 156               | 1              | 84                 | 70     | 0                         | 2      | 0               | 1      | 77                                    | 157    |
| Nicholas   | 301               | 0              | 141                | 160    | 0                         | 0      | 0               | 0      | 128                                   | 301    |
| Ohio       | 453               | 3              | 205                | 219    | 12                        | 4      | 9               | 7      | 228                                   | 456    |
| Pendleton  | 45                | 40             | 38                 | 43     | 1                         | 2      | 0               | 1      | 18                                    | 85     |
| Pleasants  | 51                | 0              | 29                 | 21     | 0                         | 0      | 1               | 0      | 26                                    | 51     |
| Pocahontas | 80                | 8              | 42                 | 40     | 4                         | 2      | 0               | 0      | 39                                    | 88     |
| Preston    | 374               | 2              | 204                | 172    | 0                         | 0      | 0               | 0      | 154                                   | 376    |
| Putnam     | 601               | 6              | 294                | 300    | 3                         | 2      | 3               | 5      | 186                                   | 607    |
| Raleigh    | 969               | 9              | 438                | 441    | 46                        | 41     | 11              | 0      | 413                                   | 978    |
| Randolph   | 300               | 3              | 140                | 156    | 1                         | 0      | 1               | 2      | 161                                   | 303    |
| Ritchie    | 99                | 2              | 54                 | 45     | 0                         | 1      | 0               | 1      | 48                                    | 101    |
| Roane      | 153               | 2              | 70                 | 83     | 0                         | 0      | 1               | 1      | 67                                    | 155    |
| Summers    | 127               | 4              | 55                 | 69     | 1                         | 3      | 2               | 1      | 63                                    | 131    |
| Taylor     | 176               | 1              | 96                 | 78     | 1                         | 1      | 1               | 0      | 75                                    | 177    |
| Tucker     | 63                | 1              | 32                 | 31     | 0                         | 1      | 0               | 0      | 25                                    | 64     |
| Tyler      | 89                | 1              | 47                 | 41     | 0                         | 1      | 0               | 1      | 30                                    | 90     |
| Upshur     | 274               | 0              | 139                | 131    | 2                         | 0      | 0               | 0      | 117                                   | 274    |
| Wayne      | 382               | 1              | 182                | 199    | 0                         | 0      | 2               | 0      | 155                                   | 383    |
| Webster    | 105               | 1              | 61                 | 45     | 0                         | 0      | 0               | 0      | 52                                    | 106    |
| Wetzel     | 170               | 0              | 83                 | 85     | 0                         | 1      | 1               | 0      | 96                                    | 170    |
| Wirt       | 52                | 0              | 30                 | 22     | 0                         | 0      | 0               | 0      | 22                                    | 52     |
| Wood       | 984               | 6              | 516                | 442    | 5                         | 9      | 8               | 10     | 469                                   | 990    |
| Wyoming    | 250               | 0              | 144                | 106    | 0                         | 0      | 0               | 0      | 96                                    | 250    |
| Total      | 20,336            | 369            | 10,182             | 9,462  | 386                       | 327    | 168             | 163    | 9,059                                 | 20,705 |

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

\*\*Includes 243 unknown.

NOTE: Does NOT include 17 births with mother's unknown race.

Trimester Prenatal Care Began by County  
West Virginia Resident Births, 2011  
Table 49

| County     | First Trimester |          | Second Trimester |          | Third Trimester |          | No Care |          | Unknown | Total  |
|------------|-----------------|----------|------------------|----------|-----------------|----------|---------|----------|---------|--------|
|            | Births          | Percent* | Births           | Percent* | Births          | Percent* | Births  | Percent* |         |        |
| Barbour    | 162             | 89.0%    | 18               | 9.9%     | 1               | 0.5%     | 1       | 0.5%     | 1       | 183    |
| Berkeley   | 1,160           | 87.1%    | 139              | 10.4%    | 18              | 1.4%     | 15      | 1.1%     | 22      | 1,354  |
| Boone      | 239             | 79.4%    | 46               | 15.3%    | 16              | 5.3%     | 0       | 0.0%     | 5       | 306    |
| Braxton    | 118             | 80.3%    | 20               | 13.6%    | 9               | 6.1%     | 0       | 0.0%     | 7       | 154    |
| Brooke     | 141             | 82.5%    | 22               | 12.9%    | 5               | 2.9%     | 3       | 1.8%     | 10      | 181    |
| Cabell     | 1,004           | 83.6%    | 169              | 14.1%    | 24              | 2.0%     | 4       | 0.3%     | 13      | 1,214  |
| Calhoun    | 76              | 84.4%    | 11               | 12.2%    | 1               | 1.1%     | 2       | 2.2%     | 0       | 90     |
| Clay       | 74              | 64.3%    | 34               | 29.6%    | 6               | 5.2%     | 1       | 0.9%     | 0       | 115    |
| Doddridge  | 56              | 93.3%    | 3                | 5.0%     | 1               | 1.7%     | 0       | 0.0%     | 0       | 60     |
| Fayette    | 459             | 80.2%    | 94               | 16.4%    | 15              | 2.6%     | 4       | 0.7%     | 17      | 589    |
| Gilmer     | 51              | 82.3%    | 10               | 16.1%    | 1               | 1.6%     | 0       | 0.0%     | 4       | 66     |
| Grant      | 97              | 85.1%    | 13               | 11.4%    | 4               | 3.5%     | 0       | 0.0%     | 1       | 115    |
| Greenbrier | 292             | 86.4%    | 40               | 11.8%    | 5               | 1.5%     | 1       | 0.3%     | 3       | 341    |
| Hampshire  | 188             | 85.1%    | 32               | 14.5%    | 1               | 0.5%     | 0       | 0.0%     | 2       | 223    |
| Hancock    | 218             | 77.9%    | 49               | 17.5%    | 9               | 3.2%     | 4       | 1.4%     | 30      | 310    |
| Hardy      | 111             | 81.0%    | 21               | 15.3%    | 5               | 3.6%     | 0       | 0.0%     | 0       | 137    |
| Harrison   | 727             | 90.1%    | 67               | 8.3%     | 9               | 1.1%     | 4       | 0.5%     | 2       | 809    |
| Jackson    | 271             | 87.7%    | 33               | 10.7%    | 5               | 1.6%     | 0       | 0.0%     | 1       | 310    |
| Jefferson  | 570             | 92.2%    | 40               | 6.5%     | 6               | 1.0%     | 2       | 0.3%     | 16      | 634    |
| Kanawha    | 1,789           | 83.3%    | 290              | 13.5%    | 52              | 2.4%     | 17      | 0.8%     | 0       | 2,148  |
| Lewis      | 179             | 90.4%    | 15               | 7.6%     | 4               | 2.0%     | 0       | 0.0%     | 7       | 205    |
| Lincoln    | 224             | 82.4%    | 40               | 14.7%    | 8               | 2.9%     | 0       | 0.0%     | 2       | 274    |
| Logan      | 263             | 62.8%    | 124              | 29.6%    | 31              | 7.4%     | 1       | 0.2%     | 33      | 452    |
| McDowell   | 173             | 70.3%    | 56               | 22.8%    | 16              | 6.5%     | 1       | 0.4%     | 8       | 254    |
| Marion     | 566             | 83.7%    | 97               | 14.3%    | 9               | 1.3%     | 4       | 0.6%     | 3       | 679    |
| Marshall   | 229             | 82.7%    | 45               | 16.2%    | 1               | 0.4%     | 2       | 0.7%     | 8       | 285    |
| Mason      | 222             | 84.4%    | 37               | 14.1%    | 4               | 1.5%     | 0       | 0.0%     | 11      | 274    |
| Mercer     | 562             | 75.8%    | 141              | 19.0%    | 31              | 4.2%     | 7       | 0.9%     | 29      | 770    |
| Mineral    | 210             | 73.9%    | 66               | 23.2%    | 5               | 1.8%     | 3       | 1.1%     | 7       | 291    |
| Mingo      | 215             | 78.5%    | 49               | 17.9%    | 9               | 3.3%     | 1       | 0.4%     | 72      | 346    |
| Monongalia | 886             | 85.3%    | 129              | 12.4%    | 18              | 1.7%     | 6       | 0.6%     | 11      | 1,050  |
| Monroe     | 113             | 81.9%    | 15               | 10.9%    | 9               | 6.5%     | 1       | 0.7%     | 3       | 141    |
| Morgan     | 135             | 87.1%    | 16               | 10.3%    | 4               | 2.6%     | 0       | 0.0%     | 2       | 157    |
| Nicholas   | 230             | 83.0%    | 37               | 13.4%    | 10              | 3.6%     | 0       | 0.0%     | 24      | 301    |
| Ohio       | 355             | 80.3%    | 71               | 16.1%    | 13              | 2.9%     | 3       | 0.7%     | 14      | 456    |
| Pendleton  | 63              | 74.1%    | 19               | 22.4%    | 3               | 3.5%     | 0       | 0.0%     | 0       | 85     |
| Pleasants  | 50              | 98.0%    | 1                | 2.0%     | 0               | 0.0%     | 0       | 0.0%     | 0       | 51     |
| Pocahontas | 58              | 67.4%    | 18               | 20.9%    | 9               | 10.5%    | 1       | 1.2%     | 2       | 88     |
| Preston    | 311             | 85.0%    | 44               | 12.0%    | 8               | 2.2%     | 3       | 0.8%     | 10      | 376    |
| Putnam     | 530             | 87.5%    | 61               | 10.1%    | 13              | 2.1%     | 2       | 0.3%     | 1       | 607    |
| Raleigh    | 814             | 83.8%    | 123              | 12.7%    | 30              | 3.1%     | 4       | 0.4%     | 7       | 978    |
| Randolph   | 248             | 83.8%    | 39               | 13.2%    | 7               | 2.4%     | 2       | 0.7%     | 7       | 303    |
| Ritchie    | 91              | 91.0%    | 7                | 7.0%     | 1               | 1.0%     | 1       | 1.0%     | 1       | 101    |
| Roane      | 125             | 80.6%    | 21               | 13.5%    | 8               | 5.2%     | 1       | 0.6%     | 0       | 155    |
| Summers    | 102             | 77.9%    | 25               | 19.1%    | 3               | 2.3%     | 1       | 0.8%     | 0       | 131    |
| Taylor     | 156             | 88.1%    | 19               | 10.7%    | 1               | 0.6%     | 1       | 0.6%     | 0       | 177    |
| Tucker     | 56              | 88.9%    | 6                | 9.5%     | 1               | 1.6%     | 0       | 0.0%     | 1       | 64     |
| Tyler      | 78              | 87.6%    | 11               | 12.4%    | 0               | 0.0%     | 0       | 0.0%     | 1       | 90     |
| Upshur     | 228             | 84.4%    | 37               | 13.7%    | 4               | 1.5%     | 1       | 0.4%     | 4       | 274    |
| Wayne      | 315             | 84.7%    | 44               | 11.8%    | 10              | 2.7%     | 3       | 0.8%     | 11      | 383    |
| Webster    | 77              | 76.2%    | 21               | 20.8%    | 1               | 1.0%     | 2       | 2.0%     | 5       | 106    |
| Wetzel     | 145             | 85.3%    | 23               | 13.5%    | 2               | 1.2%     | 0       | 0.0%     | 0       | 170    |
| Wirt       | 47              | 90.4%    | 4                | 7.7%     | 1               | 1.9%     | 0       | 0.0%     | 0       | 52     |
| Wood       | 919             | 93.9%    | 51               | 5.2%     | 8               | 0.8%     | 1       | 0.1%     | 11      | 990    |
| Wyoming    | 180             | 74.4%    | 48               | 19.8%    | 13              | 5.4%     | 1       | 0.4%     | 8       | 250    |
| Total      | 16,958          | 83.7%    | 2,711            | 13.4%    | 488             | 2.4%     | 111     | 0.5%     | 437     | 20,705 |

West Virginia Bureau for Public Health

\*Percentages calculated excluding unknown.

Health Statistics Center, 2014

Number of Prenatal Visits by County  
West Virginia Resident Births, 2011

Table 50

| 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                         | 0.5%     | 6          | 3.3%     | 26          | 14.2%    | 119          | 65.0%    | 31                | 16.9%    | 0        | 183    |
| Berkeley   | 15                        | 1.1%     | 54         | 4.0%     | 225         | 16.7%    | 900          | 66.9%    | 151               | 11.2%    | 9        | 1,354  |
| Boone      | 0                         | 0.0%     | 34         | 11.3%    | 108         | 35.8%    | 140          | 46.4%    | 20                | 6.6%     | 4        | 306    |
| Braxton    | 0                         | 0.0%     | 14         | 9.2%     | 54          | 35.3%    | 73           | 47.7%    | 12                | 7.8%     | 1        | 154    |
| Brooke     | 3                         | 1.7%     | 6          | 3.4%     | 42          | 23.6%    | 115          | 64.6%    | 12                | 6.7%     | 3        | 181    |
| Cabell     | 4                         | 0.3%     | 91         | 7.5%     | 418         | 34.6%    | 570          | 47.1%    | 126               | 10.4%    | 5        | 1,214  |
| Calhoun    | 2                         | 2.2%     | 6          | 6.7%     | 21          | 23.6%    | 50           | 56.2%    | 10                | 11.2%    | 1        | 90     |
| Clay       | 1                         | 0.9%     | 13         | 11.3%    | 49          | 42.6%    | 43           | 37.4%    | 9                 | 7.8%     | 0        | 115    |
| Doddridge  | 0                         | 0.0%     | 2          | 3.3%     | 7           | 11.7%    | 37           | 61.7%    | 14                | 23.3%    | 0        | 60     |
| Fayette    | 4                         | 0.7%     | 54         | 9.3%     | 150         | 25.7%    | 260          | 44.6%    | 115               | 19.7%    | 6        | 589    |
| Gilmer     | 0                         | 0.0%     | 5          | 7.7%     | 11          | 16.9%    | 40           | 61.5%    | 9                 | 13.8%    | 1        | 66     |
| Grant      | 0                         | 0.0%     | 6          | 5.2%     | 16          | 13.9%    | 56           | 48.7%    | 37                | 32.2%    | 0        | 115    |
| Greenbrier | 1                         | 0.3%     | 5          | 1.5%     | 52          | 15.2%    | 234          | 68.6%    | 49                | 14.4%    | 0        | 341    |
| Hampshire  | 0                         | 0.0%     | 9          | 4.1%     | 39          | 17.6%    | 170          | 76.9%    | 3                 | 1.4%     | 2        | 223    |
| Hancock    | 4                         | 1.3%     | 15         | 4.9%     | 88          | 28.8%    | 177          | 57.8%    | 22                | 7.2%     | 4        | 310    |
| Hardy      | 0                         | 0.0%     | 5          | 3.6%     | 21          | 15.3%    | 88           | 64.2%    | 23                | 16.8%    | 0        | 137    |
| Harrison   | 4                         | 0.5%     | 21         | 2.6%     | 104         | 12.9%    | 545          | 67.6%    | 132               | 16.4%    | 3        | 809    |
| Jackson    | 0                         | 0.0%     | 16         | 5.2%     | 93          | 30.2%    | 153          | 49.7%    | 46                | 14.9%    | 2        | 310    |
| Jefferson  | 2                         | 0.3%     | 26         | 4.2%     | 187         | 30.1%    | 350          | 56.4%    | 56                | 9.0%     | 13       | 634    |
| Kanawha    | 17                        | 0.8%     | 167        | 7.8%     | 688         | 32.0%    | 1,061        | 49.4%    | 215               | 10.0%    | 0        | 2,148  |
| Lewis      | 0                         | 0.0%     | 8          | 4.0%     | 43          | 21.3%    | 110          | 54.5%    | 41                | 20.3%    | 3        | 205    |
| Lincoln    | 0                         | 0.0%     | 17         | 6.2%     | 92          | 33.7%    | 131          | 48.0%    | 33                | 12.1%    | 1        | 274    |
| Logan      | 1                         | 0.2%     | 43         | 10.0%    | 169         | 39.4%    | 176          | 41.0%    | 40                | 9.3%     | 23       | 452    |
| McDowell   | 1                         | 0.4%     | 30         | 12.0%    | 94          | 37.5%    | 101          | 40.2%    | 25                | 10.0%    | 3        | 254    |
| Marion     | 4                         | 0.6%     | 20         | 3.0%     | 145         | 21.5%    | 407          | 60.3%    | 99                | 14.7%    | 4        | 679    |
| Marshall   | 2                         | 0.7%     | 7          | 2.5%     | 56          | 19.8%    | 208          | 73.5%    | 10                | 3.5%     | 2        | 285    |
| Mason      | 0                         | 0.0%     | 19         | 7.0%     | 94          | 34.6%    | 131          | 48.2%    | 28                | 10.3%    | 2        | 274    |
| Mercer     | 7                         | 0.9%     | 101        | 13.2%    | 311         | 40.5%    | 283          | 36.9%    | 65                | 8.5%     | 3        | 770    |
| Mineral    | 3                         | 1.0%     | 28         | 9.7%     | 99          | 34.1%    | 141          | 48.6%    | 19                | 6.6%     | 1        | 291    |
| Mingo      | 1                         | 0.3%     | 22         | 6.5%     | 108         | 32.1%    | 117          | 34.8%    | 88                | 26.2%    | 10       | 346    |
| Monongalia | 6                         | 0.6%     | 22         | 2.1%     | 207         | 19.9%    | 658          | 63.2%    | 148               | 14.2%    | 9        | 1,050  |
| Monroe     | 1                         | 0.7%     | 13         | 9.2%     | 50          | 35.5%    | 67           | 47.5%    | 10                | 7.1%     | 0        | 141    |
| Morgan     | 0                         | 0.0%     | 8          | 5.1%     | 32          | 20.4%    | 107          | 68.2%    | 10                | 6.4%     | 0        | 157    |
| Nicholas   | 0                         | 0.0%     | 26         | 8.7%     | 112         | 37.3%    | 138          | 46.0%    | 24                | 8.0%     | 1        | 301    |
| Ohio       | 3                         | 0.7%     | 16         | 3.5%     | 82          | 18.1%    | 348          | 76.8%    | 4                 | 0.9%     | 3        | 456    |
| Pendleton  | 0                         | 0.0%     | 2          | 2.4%     | 18          | 21.2%    | 54           | 63.5%    | 11                | 12.9%    | 0        | 85     |
| Pleasants  | 0                         | 0.0%     | 0          | 0.0%     | 10          | 19.6%    | 29           | 56.9%    | 12                | 23.5%    | 0        | 51     |
| Pocahontas | 1                         | 1.1%     | 14         | 16.1%    | 23          | 26.4%    | 49           | 56.3%    | 0                 | 0.0%     | 1        | 88     |
| Preston    | 3                         | 0.8%     | 15         | 4.0%     | 98          | 26.3%    | 208          | 55.9%    | 48                | 12.9%    | 4        | 376    |
| Putnam     | 2                         | 0.3%     | 32         | 5.3%     | 193         | 31.8%    | 310          | 51.1%    | 70                | 11.5%    | 0        | 607    |
| Raleigh    | 4                         | 0.4%     | 52         | 5.3%     | 215         | 22.1%    | 523          | 53.6%    | 181               | 18.6%    | 3        | 978    |
| Randolph   | 2                         | 0.7%     | 18         | 6.0%     | 70          | 23.3%    | 188          | 62.5%    | 23                | 7.6%     | 2        | 303    |
| Ritchie    | 1                         | 1.0%     | 5          | 5.0%     | 13          | 12.9%    | 49           | 48.5%    | 33                | 32.7%    | 0        | 101    |
| Roane      | 1                         | 0.7%     | 21         | 13.7%    | 51          | 33.3%    | 61           | 39.9%    | 19                | 12.4%    | 2        | 155    |
| Summers    | 1                         | 0.8%     | 14         | 10.7%    | 44          | 33.6%    | 61           | 46.6%    | 11                | 8.4%     | 0        | 131    |
| Taylor     | 1                         | 0.6%     | 8          | 4.5%     | 29          | 16.5%    | 111          | 63.1%    | 27                | 15.3%    | 1        | 177    |
| Tucker     | 0                         | 0.0%     | 3          | 4.8%     | 15          | 23.8%    | 40           | 63.5%    | 5                 | 7.9%     | 1        | 64     |
| Tyler      | 0                         | 0.0%     | 0          | 0.0%     | 20          | 22.2%    | 56           | 62.2%    | 14                | 15.6%    | 0        | 90     |
| Upshur     | 1                         | 0.4%     | 10         | 3.7%     | 43          | 15.9%    | 172          | 63.5%    | 45                | 16.6%    | 3        | 274    |
| Wayne      | 3                         | 0.8%     | 32         | 8.4%     | 122         | 32.1%    | 177          | 46.6%    | 46                | 12.1%    | 3        | 383    |
| Webster    | 2                         | 1.9%     | 12         | 11.3%    | 45          | 42.5%    | 42           | 39.6%    | 5                 | 4.7%     | 0        | 106    |
| Wetzel     | 0                         | 0.0%     | 6          | 3.5%     | 40          | 23.5%    | 110          | 64.7%    | 14                | 8.2%     | 0        | 170    |
| Wirt       | 0                         | 0.0%     | 2          | 3.8%     | 6           | 11.5%    | 38           | 73.1%    | 6                 | 11.5%    | 0        | 52     |
| Wood       | 1                         | 0.1%     | 27         | 2.8%     | 174         | 17.9%    | 548          | 56.3%    | 223               | 22.9%    | 17       | 990    |
| Wyoming    | 1                         | 0.4%     | 33         | 13.6%    | 76          | 31.3%    | 101          | 41.6%    | 32                | 13.2%    | 7        | 250    |
| Total      | 111                       | 0.5%     | 1,241      | 6.0%     | 5,398       | 26.3%    | 11,231       | 54.7%    | 2,561             | 12.5%    | 163      | 20,705 |

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, 2011  
Table 51

| County     | Pregnancy Risk Factors |                |                                         | Cesarean Section |        | 1 or More<br>Complications<br>of Labor<br>and/or<br>Delivery | 1 or More<br>Congenital<br>Anomalies | 1 or More<br>Abnormal<br>Conditions<br>of the<br>Newborn |
|------------|------------------------|----------------|-----------------------------------------|------------------|--------|--------------------------------------------------------------|--------------------------------------|----------------------------------------------------------|
|            | Alcohol<br>Use         | Tobacco<br>Use | 1 or More<br>Medical<br>Risk<br>Factors | Primary          | Repeat |                                                              |                                      |                                                          |
| Barbour    | 0.0                    | 24.0           | 41.2                                    | 18.7             | 12.6   | 26.9                                                         | 0.5                                  | 4.9                                                      |
| Berkeley   | 0.6                    | 20.9           | 62.0                                    | 15.8             | 15.9   | 34.2                                                         | 1.2                                  | 9.2                                                      |
| Boone      | 0.0                    | 25.5           | 31.7                                    | 17.4             | 23.6   | 28.3                                                         | 0.0                                  | 0.0                                                      |
| Braxton    | 0.0                    | 31.2           | 37.3                                    | 23.4             | 13.0   | 37.3                                                         | 2.0                                  | 3.3                                                      |
| Brooke     | 0.0                    | 28.3           | 42.6                                    | 26.2             | 20.7   | 26.6                                                         | 2.9                                  | 5.9                                                      |
| Cabell     | 0.2                    | 24.9           | 43.9                                    | 21.5             | 14.6   | 31.9                                                         | 0.5                                  | 1.5                                                      |
| Calhoun    | 0.0                    | 36.7           | 52.2                                    | 22.2             | 15.6   | 35.6                                                         | 1.1                                  | 38.9                                                     |
| Clay       | 0.0                    | 27.8           | 35.7                                    | 22.6             | 19.1   | 31.3                                                         | 1.7                                  | 2.6                                                      |
| Doddridge  | 0.0                    | 28.3           | 60.0                                    | 23.3             | 20.0   | 30.0                                                         | 0.0                                  | 8.3                                                      |
| Fayette    | 0.5                    | 33.7           | 64.3                                    | 18.7             | 13.9   | 47.2                                                         | 2.4                                  | 26.1                                                     |
| Gilmer     | 0.0                    | 31.8           | 43.9                                    | 17.2             | 15.6   | 28.8                                                         | 4.5                                  | 9.1                                                      |
| Grant      | 0.0                    | 27.0           | 40.9                                    | 29.1             | 17.5   | 53.0                                                         | 1.7                                  | 1.8                                                      |
| Greenbrier | 0.0                    | 27.6           | 28.3                                    | 14.2             | 6.8    | 63.0                                                         | 5.6                                  | 18.8                                                     |
| Hampshire  | 0.5                    | 21.6           | 36.9                                    | 13.2             | 18.0   | 23.8                                                         | 0.9                                  | 1.8                                                      |
| Hancock    | 0.4                    | 29.2           | 35.3                                    | 25.3             | 12.6   | 26.2                                                         | 0.7                                  | 5.2                                                      |
| Hardy      | 0.0                    | 26.3           | 36.5                                    | 26.5             | 20.6   | 46.0                                                         | 1.5                                  | 2.3                                                      |
| Harrison   | 0.2                    | 26.6           | 52.8                                    | 18.9             | 16.7   | 26.8                                                         | 3.5                                  | 4.1                                                      |
| Jackson    | 0.3                    | 24.6           | 47.6                                    | 25.4             | 20.8   | 42.7                                                         | 0.3                                  | 29.8                                                     |
| Jefferson  | 0.7                    | 16.5           | 45.3                                    | 15.1             | 13.5   | 33.6                                                         | 1.6                                  | 7.7                                                      |
| Kanawha    | 0.0                    | 21.9           | 36.0                                    | 26.7             | 19.8   | 37.7                                                         | 0.3                                  | 0.3                                                      |
| Lewis      | 0.0                    | 26.8           | 44.4                                    | 20.5             | 13.2   | 33.7                                                         | 2.9                                  | 4.9                                                      |
| Lincoln    | 0.0                    | 32.6           | 38.7                                    | 22.4             | 21.3   | 30.7                                                         | 0.4                                  | 1.1                                                      |
| Logan      | 0.0                    | 30.4           | 45.9                                    | 30.3             | 22.9   | 36.5                                                         | 0.3                                  | 1.5                                                      |
| McDowell   | 0.4                    | 40.1           | 45.3                                    | 20.4             | 18.4   | 30.7                                                         | 1.2                                  | 6.4                                                      |
| Marion     | 0.4                    | 23.6           | 43.3                                    | 20.0             | 13.0   | 26.3                                                         | 3.1                                  | 5.6                                                      |
| Marshall   | 0.0                    | 24.8           | 33.9                                    | 22.1             | 15.9   | 29.7                                                         | 1.4                                  | 3.6                                                      |
| Mason      | 0.0                    | 38.2           | 48.2                                    | 23.4             | 17.8   | 25.2                                                         | 1.1                                  | 4.0                                                      |
| Mercer     | 0.7                    | 28.6           | 52.9                                    | 21.2             | 14.6   | 33.6                                                         | 1.3                                  | 2.8                                                      |
| Mineral    | 1.8                    | 36.5           | 9.0                                     | 11.6             | 9.3    | 10.0                                                         | 0.0                                  | 1.4                                                      |
| Mingo      | 0.0                    | 36.2           | 22.6                                    | 27.5             | 24.6   | 13.4                                                         | 1.2                                  | 1.9                                                      |
| Monongalia | 0.7                    | 17.1           | 23.2                                    | 18.3             | 11.9   | 25.8                                                         | 2.5                                  | 2.5                                                      |
| Monroe     | 0.0                    | 21.3           | 39.7                                    | 15.0             | 10.0   | 41.1                                                         | 4.3                                  | 8.6                                                      |
| Morgan     | 0.8                    | 21.8           | 58.7                                    | 19.4             | 12.2   | 27.7                                                         | 0.6                                  | 7.1                                                      |
| Nicholas   | 0.0                    | 30.6           | 42.9                                    | 21.3             | 18.9   | 44.2                                                         | 4.0                                  | 16.6                                                     |
| Ohio       | 0.2                    | 26.0           | 34.7                                    | 28.3             | 13.1   | 28.5                                                         | 2.2                                  | 1.4                                                      |
| Pendleton  | 0.0                    | 16.5           | 49.4                                    | 22.6             | 10.7   | 49.4                                                         | 1.2                                  | 6.0                                                      |
| Pleasants  | 0.0                    | 27.5           | 64.7                                    | 15.6             | 8.9    | 25.5                                                         | 0.0                                  | 60.8                                                     |
| Pocahontas | 0.0                    | 28.4           | 46.0                                    | 14.9             | 10.3   | 43.7                                                         | 2.3                                  | 14.0                                                     |
| Preston    | 0.3                    | 30.9           | 25.9                                    | 22.8             | 12.4   | 21.0                                                         | 3.2                                  | 4.6                                                      |
| Putnam     | 0.2                    | 15.7           | 36.6                                    | 21.9             | 20.3   | 33.6                                                         | 0.2                                  | 0.0                                                      |
| Raleigh    | 0.2                    | 32.1           | 72.1                                    | 17.4             | 14.5   | 48.4                                                         | 3.1                                  | 33.0                                                     |
| Randolph   | 0.3                    | 34.3           | 37.5                                    | 16.3             | 16.3   | 32.9                                                         | 3.6                                  | 2.7                                                      |
| Ritchie    | 0.0                    | 26.7           | 58.0                                    | 20.0             | 18.0   | 41.6                                                         | 4.0                                  | 52.5                                                     |
| Roane      | 0.6                    | 27.1           | 40.0                                    | 19.5             | 18.2   | 36.1                                                         | 0.0                                  | 16.8                                                     |
| Summers    | 0.0                    | 31.3           | 53.4                                    | 16.9             | 13.1   | 51.9                                                         | 5.3                                  | 24.4                                                     |
| Taylor     | 0.0                    | 26.0           | 41.8                                    | 23.3             | 15.3   | 26.6                                                         | 2.3                                  | 4.5                                                      |
| Tucker     | 0.0                    | 28.1           | 25.4                                    | 13.8             | 13.8   | 21.9                                                         | 1.6                                  | 1.6                                                      |
| Tyler      | 0.0                    | 27.8           | 48.9                                    | 20.5             | 15.7   | 31.1                                                         | 2.2                                  | 30.0                                                     |
| Upshur     | 0.4                    | 30.8           | 36.1                                    | 15.9             | 12.2   | 27.4                                                         | 2.2                                  | 2.9                                                      |
| Wayne      | 0.3                    | 27.7           | 43.1                                    | 19.2             | 16.3   | 26.1                                                         | 1.0                                  | 1.6                                                      |
| Webster    | 0.0                    | 30.2           | 45.3                                    | 23.6             | 14.2   | 31.1                                                         | 0.9                                  | 6.6                                                      |
| Wetzel     | 0.0                    | 35.3           | 52.4                                    | 20.4             | 16.8   | 28.4                                                         | 2.9                                  | 14.7                                                     |
| Wirt       | 0.0                    | 44.2           | 63.5                                    | 27.5             | 19.6   | 48.1                                                         | 0.0                                  | 67.3                                                     |
| Wood       | 1.4                    | 23.3           | 58.1                                    | 22.5             | 14.2   | 38.8                                                         | 0.4                                  | 58.7                                                     |
| Wyoming    | 0.4                    | 35.6           | 67.5                                    | 23.8             | 18.5   | 53.3                                                         | 2.0                                  | 29.0                                                     |
| Total      | 0.3                    | 26.1           | 44.6                                    | 21.0             | 16.0   | 33.9                                                         | 1.6                                  | 10.5                                                     |

Number of Deaths by Race, Gender and County of Residence  
West Virginia, 2011  
Table 52

| County     | White or Caucasian |        | Black or African American |        | All Other Races |        | Total  |
|------------|--------------------|--------|---------------------------|--------|-----------------|--------|--------|
|            | Male               | Female | Male                      | Female | Male            | Female |        |
| Barbour    | 80                 | 96     | 2                         | 0      | 0               | 0      | 178    |
| Berkeley   | 459                | 367    | 40                        | 11     | 1               | 3      | 881    |
| Boone      | 171                | 159    | 2                         | 1      | 0               | 0      | 333    |
| Braxton    | 101                | 63     | 1                         | 0      | 0               | 1      | 166    |
| Brooke     | 167                | 184    | 3                         | 1      | 0               | 0      | 355    |
| Cabell     | 561                | 563    | 20                        | 21     | 2               | 0      | 1,167  |
| Calhoun    | 55                 | 40     | 0                         | 0      | 0               | 0      | 95     |
| Clay       | 52                 | 50     | 0                         | 0      | 0               | 0      | 102    |
| Doddridge  | 48                 | 33     | 0                         | 0      | 0               | 0      | 81     |
| Fayette    | 308                | 261    | 24                        | 15     | 0               | 0      | 608    |
| Gilmer     | 33                 | 40     | 0                         | 0      | 0               | 0      | 73     |
| Grant      | 77                 | 60     | 1                         | 2      | 0               | 1      | 141    |
| Greenbrier | 255                | 250    | 13                        | 11     | 1               | 0      | 530    |
| Hampshire  | 140                | 111    | 2                         | 1      | 0               | 0      | 254    |
| Hancock    | 192                | 180    | 8                         | 7      | 0               | 0      | 387    |
| Hardy      | 78                 | 62     | 4                         | 0      | 0               | 0      | 144    |
| Harrison   | 454                | 461    | 6                         | 4      | 1               | 2      | 928    |
| Jackson    | 152                | 163    | 0                         | 0      | 0               | 0      | 315    |
| Jefferson  | 193                | 183    | 16                        | 21     | 1               | 2      | 416    |
| Kanawha    | 1,075              | 1,181  | 63                        | 64     | 3               | 2      | 2,388  |
| Lewis      | 97                 | 105    | 0                         | 0      | 0               | 0      | 202    |
| Lincoln    | 153                | 132    | 1                         | 0      | 0               | 0      | 286    |
| Logan      | 272                | 262    | 8                         | 8      | 0               | 0      | 550    |
| McDowell   | 183                | 156    | 21                        | 20     | 0               | 1      | 381    |
| Marion     | 301                | 321    | 10                        | 8      | 1               | 1      | 642    |
| Marshall   | 201                | 203    | 1                         | 1      | 0               | 1      | 407    |
| Mason      | 164                | 159    | 1                         | 1      | 0               | 0      | 325    |
| Mercer     | 426                | 461    | 34                        | 24     | 0               | 0      | 946    |
| Mineral    | 160                | 147    | 5                         | 7      | 0               | 0      | 319    |
| Mingo      | 196                | 162    | 6                         | 7      | 0               | 0      | 371    |
| Monongalia | 306                | 325    | 7                         | 11     | 0               | 0      | 649    |
| Monroe     | 94                 | 79     | 1                         | 0      | 0               | 0      | 174    |
| Morgan     | 99                 | 95     | 0                         | 0      | 0               | 0      | 194    |
| Nicholas   | 183                | 158    | 0                         | 0      | 0               | 0      | 341    |
| Ohio       | 261                | 306    | 8                         | 4      | 0               | 0      | 581    |
| Pendleton  | 52                 | 50     | 1                         | 1      | 0               | 0      | 104    |
| Pleasants  | 49                 | 54     | 0                         | 0      | 1               | 0      | 104    |
| Pocahontas | 43                 | 47     | 0                         | 0      | 1               | 0      | 91     |
| Preston    | 177                | 155    | 3                         | 0      | 1               | 0      | 336    |
| Putnam     | 268                | 239    | 0                         | 2      | 0               | 1      | 510    |
| Raleigh    | 454                | 462    | 32                        | 36     | 1               | 1      | 986    |
| Randolph   | 187                | 174    | 0                         | 1      | 0               | 0      | 362    |
| Ritchie    | 62                 | 60     | 0                         | 0      | 0               | 0      | 122    |
| Roane      | 88                 | 88     | 0                         | 0      | 0               | 0      | 176    |
| Summers    | 109                | 92     | 4                         | 2      | 0               | 0      | 207    |
| Taylor     | 96                 | 104    | 2                         | 1      | 0               | 0      | 203    |
| Tucker     | 38                 | 54     | 0                         | 0      | 0               | 0      | 92     |
| Tyler      | 76                 | 75     | 0                         | 0      | 1               | 0      | 152    |
| Upshur     | 129                | 122    | 1                         | 1      | 0               | 0      | 253    |
| Wayne      | 226                | 231    | 0                         | 0      | 0               | 1      | 458    |
| Webster    | 69                 | 62     | 0                         | 0      | 0               | 0      | 131    |
| Wetzel     | 108                | 119    | 0                         | 0      | 0               | 0      | 227    |
| Wirt       | 30                 | 31     | 0                         | 0      | 0               | 0      | 62     |
| Wood       | 489                | 543    | 5                         | 1      | 0               | 1      | 1,039  |
| Wyoming    | 184                | 159    | 1                         | 1      | 0               | 0      | 345    |
| Total      | 10,681             | 10,499 | 357                       | 296    | 15              | 18     | 21,870 |

Number of Deaths by County of Residence and Occurrence  
West Virginia, 2011  
Table 53

| County     | Residence | Occurrence | County     | Residence | Occurrence |
|------------|-----------|------------|------------|-----------|------------|
| Barbour    | 178       | 105        | Monongalia | 649       | 1,385      |
| Berkeley   | 881       | 862        | Monroe     | 174       | 80         |
| Boone      | 333       | 200        | Morgan     | 194       | 127        |
| Braxton    | 166       | 128        | Nicholas   | 341       | 247        |
| Brooke     | 355       | 343        | Ohio       | 581       | 1,050      |
| Cabell     | 1,167     | 2,063      | Pendleton  | 104       | 65         |
| Calhoun    | 95        | 63         | Pleasants  | 104       | 56         |
| Clay       | 102       | 50         | Pocahontas | 91        | 67         |
| Doddridge  | 81        | 36         | Preston    | 336       | 203        |
| Fayette    | 608       | 410        | Putnam     | 510       | 366        |
| Gilmer     | 73        | 50         | Raleigh    | 986       | 1,241      |
| Grant      | 141       | 138        | Randolph   | 362       | 387        |
| Greenbrier | 530       | 489        | Ritchie    | 122       | 60         |
| Hampshire  | 254       | 157        | Roane      | 176       | 111        |
| Hancock    | 387       | 161        | Summers    | 207       | 145        |
| Hardy      | 144       | 75         | Taylor     | 203       | 174        |
| Harrison   | 928       | 1,021      | Tucker     | 92        | 50         |
| Jackson    | 315       | 219        | Tyler      | 152       | 113        |
| Jefferson  | 416       | 350        | Upshur     | 253       | 203        |
| Kanawha    | 2,388     | 3,191      | Wayne      | 458       | 260        |
| Lewis      | 202       | 171        | Webster    | 131       | 77         |
| Lincoln    | 286       | 117        | Wetzel     | 227       | 166        |
| Logan      | 550       | 480        | Wirt       | 62        | 23         |
| McDowell   | 381       | 271        | Wood       | 1,039     | 1,116      |
| Marion     | 642       | 498        | Wyoming    | 345       | 150        |
| Marshall   | 407       | 258        |            |           |            |
| Mason      | 325       | 231        |            |           |            |
| Mercer     | 946       | 968        | Total      | 21,870    | 21,402     |
| Mineral    | 319       | 181        |            |           |            |
| Mingo      | 371       | 194        |            |           |            |

West Virginia Bureau for Public Health  
Health Statistics Center, 2014

Resident deaths include 2,079 West Virginians dying out of state.

Method of Disposition by County of Residence  
West Virginia Deaths, 2011  
Table 54

| County     | Method of Disposition |          |           |          |          |          |                       |          |        |          | Un-<br>known | Total  |
|------------|-----------------------|----------|-----------|----------|----------|----------|-----------------------|----------|--------|----------|--------------|--------|
|            | Burial                |          | Cremation |          | Donation |          | Removal From<br>State |          | Other  |          |              |        |
|            | Number                | Percent* | Number    | Percent* | Number   | Percent* | Number                | Percent* | Number | Percent* |              |        |
| Barbour    | 144                   | 80.9%    | 28        | 15.7%    | 4        | 2.2%     | 0                     | 0.0%     | 2      | 1.1%     | 0            | 178    |
| Berkeley   | 452                   | 56.1%    | 314       | 39.0%    | 19       | 2.4%     | 10                    | 1.2%     | 10     | 1.2%     | 76           | 881    |
| Boone      | 259                   | 78.0%    | 66        | 19.9%    | 3        | 0.9%     | 2                     | 0.6%     | 2      | 0.6%     | 1            | 333    |
| Braxton    | 128                   | 77.6%    | 35        | 21.2%    | 2        | 1.2%     | 0                     | 0.0%     | 0      | 0.0%     | 1            | 166    |
| Brooke     | 190                   | 53.5%    | 90        | 25.4%    | 2        | 0.6%     | 68                    | 19.2%    | 5      | 1.4%     | 0            | 355    |
| Cabell     | 813                   | 69.9%    | 273       | 23.5%    | 21       | 1.8%     | 12                    | 1.0%     | 44     | 3.8%     | 4            | 1,167  |
| Calhoun    | 64                    | 67.4%    | 29        | 30.5%    | 1        | 1.1%     | 1                     | 1.1%     | 0      | 0.0%     | 0            | 95     |
| Clay       | 84                    | 82.4%    | 17        | 16.7%    | 1        | 1.0%     | 0                     | 0.0%     | 0      | 0.0%     | 0            | 102    |
| Doddridge  | 58                    | 71.6%    | 23        | 28.4%    | 0        | 0.0%     | 0                     | 0.0%     | 0      | 0.0%     | 0            | 81     |
| Fayette    | 395                   | 66.4%    | 131       | 22.0%    | 11       | 1.8%     | 8                     | 1.3%     | 50     | 8.4%     | 13           | 608    |
| Gilmer     | 58                    | 79.5%    | 14        | 19.2%    | 1        | 1.4%     | 0                     | 0.0%     | 0      | 0.0%     | 0            | 73     |
| Grant      | 96                    | 75.6%    | 29        | 22.8%    | 2        | 1.6%     | 0                     | 0.0%     | 0      | 0.0%     | 14           | 141    |
| Greenbrier | 336                   | 69.9%    | 111       | 23.1%    | 15       | 3.1%     | 1                     | 0.2%     | 18     | 3.7%     | 49           | 530    |
| Hampshire  | 117                   | 60.9%    | 71        | 37.0%    | 3        | 1.6%     | 1                     | 0.5%     | 0      | 0.0%     | 62           | 254    |
| Hancock    | 195                   | 50.6%    | 79        | 20.5%    | 4        | 1.0%     | 88                    | 22.9%    | 19     | 4.9%     | 2            | 387    |
| Hardy      | 68                    | 66.7%    | 32        | 31.4%    | 2        | 2.0%     | 0                     | 0.0%     | 0      | 0.0%     | 42           | 144    |
| Harrison   | 664                   | 72.1%    | 212       | 23.0%    | 16       | 1.7%     | 4                     | 0.4%     | 25     | 2.7%     | 7            | 928    |
| Jackson    | 228                   | 72.6%    | 66        | 21.0%    | 4        | 1.3%     | 7                     | 2.2%     | 9      | 2.9%     | 1            | 315    |
| Jefferson  | 177                   | 49.4%    | 171       | 47.8%    | 6        | 1.7%     | 3                     | 0.8%     | 1      | 0.3%     | 58           | 416    |
| Kanawha    | 1,459                 | 61.3%    | 668       | 28.0%    | 88       | 3.7%     | 27                    | 1.1%     | 140    | 5.9%     | 6            | 2,388  |
| Lewis      | 153                   | 76.1%    | 45        | 22.4%    | 2        | 1.0%     | 0                     | 0.0%     | 1      | 0.5%     | 1            | 202    |
| Lincoln    | 246                   | 86.0%    | 39        | 13.6%    | 1        | 0.3%     | 0                     | 0.0%     | 0      | 0.0%     | 0            | 286    |
| Logan      | 418                   | 76.4%    | 92        | 16.8%    | 2        | 0.4%     | 5                     | 0.9%     | 30     | 5.5%     | 3            | 550    |
| McDowell   | 268                   | 78.1%    | 57        | 16.6%    | 2        | 0.6%     | 6                     | 1.7%     | 10     | 2.9%     | 38           | 381    |
| Marion     | 467                   | 73.1%    | 137       | 21.4%    | 13       | 2.0%     | 6                     | 0.9%     | 16     | 2.5%     | 3            | 642    |
| Marshall   | 225                   | 55.4%    | 149       | 36.7%    | 4        | 1.0%     | 10                    | 2.5%     | 18     | 4.4%     | 1            | 407    |
| Mason      | 200                   | 61.5%    | 65        | 20.0%    | 6        | 1.8%     | 51                    | 15.7%    | 3      | 0.9%     | 0            | 325    |
| Mercer     | 604                   | 70.6%    | 211       | 24.7%    | 5        | 0.6%     | 10                    | 1.2%     | 25     | 2.9%     | 91           | 946    |
| Mineral    | 204                   | 67.1%    | 88        | 28.9%    | 6        | 2.0%     | 0                     | 0.0%     | 6      | 2.0%     | 15           | 319    |
| Mingo      | 314                   | 85.1%    | 41        | 11.1%    | 0        | 0.0%     | 3                     | 0.8%     | 11     | 3.0%     | 2            | 371    |
| Monongalia | 421                   | 64.9%    | 186       | 28.7%    | 14       | 2.2%     | 9                     | 1.4%     | 19     | 2.9%     | 0            | 649    |
| Monroe     | 92                    | 74.2%    | 29        | 23.4%    | 0        | 0.0%     | 2                     | 1.6%     | 1      | 0.8%     | 50           | 174    |
| Morgan     | 76                    | 50.3%    | 71        | 47.0%    | 2        | 1.3%     | 1                     | 0.7%     | 1      | 0.7%     | 43           | 194    |
| Nicholas   | 252                   | 74.6%    | 78        | 23.1%    | 7        | 2.1%     | 1                     | 0.3%     | 0      | 0.0%     | 3            | 341    |
| Ohio       | 315                   | 54.8%    | 210       | 36.5%    | 10       | 1.7%     | 7                     | 1.2%     | 33     | 5.7%     | 6            | 581    |
| Pendleton  | 65                    | 85.5%    | 9         | 11.8%    | 0        | 0.0%     | 1                     | 1.3%     | 1      | 1.3%     | 28           | 104    |
| Pleasants  | 64                    | 61.5%    | 20        | 19.2%    | 4        | 3.8%     | 16                    | 15.4%    | 0      | 0.0%     | 0            | 104    |
| Pocahontas | 57                    | 67.1%    | 25        | 29.4%    | 2        | 2.4%     | 1                     | 1.2%     | 0      | 0.0%     | 6            | 91     |
| Preston    | 233                   | 69.8%    | 90        | 26.9%    | 5        | 1.5%     | 4                     | 1.2%     | 2      | 0.6%     | 2            | 336    |
| Putnam     | 345                   | 67.8%    | 109       | 21.4%    | 14       | 2.8%     | 6                     | 1.2%     | 35     | 6.9%     | 1            | 510    |
| Raleigh    | 667                   | 68.5%    | 220       | 22.6%    | 4        | 0.4%     | 7                     | 0.7%     | 76     | 7.8%     | 12           | 986    |
| Randolph   | 244                   | 67.8%    | 102       | 28.3%    | 6        | 1.7%     | 2                     | 0.6%     | 6      | 1.7%     | 2            | 362    |
| Ritchie    | 89                    | 73.0%    | 26        | 21.3%    | 3        | 2.5%     | 4                     | 3.3%     | 0      | 0.0%     | 0            | 122    |
| Roane      | 139                   | 79.0%    | 32        | 18.2%    | 2        | 1.1%     | 3                     | 1.7%     | 0      | 0.0%     | 0            | 176    |
| Summers    | 152                   | 76.8%    | 36        | 18.2%    | 4        | 2.0%     | 1                     | 0.5%     | 5      | 2.5%     | 9            | 207    |
| Taylor     | 152                   | 75.2%    | 42        | 20.8%    | 7        | 3.5%     | 1                     | 0.5%     | 0      | 0.0%     | 1            | 203    |
| Tucker     | 73                    | 79.3%    | 16        | 17.4%    | 2        | 2.2%     | 1                     | 1.1%     | 0      | 0.0%     | 0            | 92     |
| Tyler      | 110                   | 72.4%    | 35        | 23.0%    | 5        | 3.3%     | 2                     | 1.3%     | 0      | 0.0%     | 0            | 152    |
| Upshur     | 182                   | 72.2%    | 61        | 24.2%    | 4        | 1.6%     | 3                     | 1.2%     | 2      | 0.8%     | 1            | 253    |
| Wayne      | 398                   | 87.1%    | 47        | 10.3%    | 3        | 0.7%     | 7                     | 1.5%     | 2      | 0.4%     | 1            | 458    |
| Webster    | 98                    | 76.0%    | 29        | 22.5%    | 2        | 1.6%     | 0                     | 0.0%     | 0      | 0.0%     | 2            | 131    |
| Wetzel     | 173                   | 76.2%    | 48        | 21.1%    | 3        | 1.3%     | 1                     | 0.4%     | 2      | 0.9%     | 0            | 227    |
| Wirt       | 49                    | 80.3%    | 10        | 16.4%    | 2        | 3.3%     | 0                     | 0.0%     | 0      | 0.0%     | 1            | 62     |
| Wood       | 687                   | 66.6%    | 283       | 27.4%    | 19       | 1.8%     | 23                    | 2.2%     | 20     | 1.9%     | 7            | 1,039  |
| Wyoming    | 275                   | 81.4%    | 55        | 16.3%    | 1        | 0.3%     | 3                     | 0.9%     | 4      | 1.2%     | 7            | 345    |
| Total      | 14,492                | 68.4%    | 5,252     | 24.8%    | 371      | 1.8%     | 429                   | 2.0%     | 654    | 3.1%     | 672          | 21,870 |

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, 2011  
Table 54 (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    | 83                    | 79.0%    | 19        | 18.1%    | 3        | 2.9%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 105    |
| Berkeley   | 471                   | 54.8%    | 356       | 41.4%    | 20       | 2.3%     | 4                  | 0.5%     | 9      | 1.0%     | 2        | 862    |
| Boone      | 162                   | 81.0%    | 36        | 18.0%    | 2        | 1.0%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 200    |
| Braxton    | 104                   | 81.3%    | 23        | 18.0%    | 1        | 0.8%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 128    |
| Brooke     | 232                   | 67.6%    | 95        | 27.7%    | 4        | 1.2%     | 0                  | 0.0%     | 12     | 3.5%     | 0        | 343    |
| Cabell     | 1,537                 | 74.6%    | 431       | 20.9%    | 22       | 1.1%     | 7                  | 0.3%     | 64     | 3.1%     | 2        | 2,063  |
| Calhoun    | 46                    | 73.0%    | 17        | 27.0%    | 0        | 0.0%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 63     |
| Clay       | 44                    | 88.0%    | 6         | 12.0%    | 0        | 0.0%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 50     |
| Doddridge  | 23                    | 63.9%    | 13        | 36.1%    | 0        | 0.0%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 36     |
| Fayette    | 288                   | 70.2%    | 80        | 19.5%    | 7        | 1.7%     | 0                  | 0.0%     | 35     | 8.5%     | 0        | 410    |
| Gilmer     | 37                    | 74.0%    | 12        | 24.0%    | 1        | 2.0%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 50     |
| Grant      | 104                   | 75.9%    | 32        | 23.4%    | 1        | 0.7%     | 0                  | 0.0%     | 0      | 0.0%     | 1        | 138    |
| Greenbrier | 350                   | 71.7%    | 106       | 21.7%    | 16       | 3.3%     | 1                  | 0.2%     | 15     | 3.1%     | 1        | 489    |
| Hampshire  | 92                    | 58.6%    | 61        | 38.9%    | 4        | 2.5%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 157    |
| Hancock    | 108                   | 67.1%    | 43        | 26.7%    | 2        | 1.2%     | 0                  | 0.0%     | 8      | 5.0%     | 0        | 161    |
| Hardy      | 49                    | 65.3%    | 24        | 32.0%    | 2        | 2.7%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 75     |
| Harrison   | 745                   | 73.3%    | 228       | 22.4%    | 21       | 2.1%     | 1                  | 0.1%     | 22     | 2.2%     | 4        | 1,021  |
| Jackson    | 161                   | 73.9%    | 46        | 21.1%    | 4        | 1.8%     | 0                  | 0.0%     | 7      | 3.2%     | 1        | 219    |
| Jefferson  | 185                   | 52.9%    | 159       | 45.4%    | 5        | 1.4%     | 0                  | 0.0%     | 1      | 0.3%     | 0        | 350    |
| Kanawha    | 2,085                 | 65.4%    | 838       | 26.3%    | 93       | 2.9%     | 2                  | 0.1%     | 172    | 5.4%     | 1        | 3,191  |
| Lewis      | 132                   | 77.2%    | 36        | 21.1%    | 2        | 1.2%     | 0                  | 0.0%     | 1      | 0.6%     | 0        | 171    |
| Lincoln    | 102                   | 87.2%    | 14        | 12.0%    | 1        | 0.9%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 117    |
| Logan      | 384                   | 80.0%    | 72        | 15.0%    | 0        | 0.0%     | 0                  | 0.0%     | 24     | 5.0%     | 0        | 480    |
| McDowell   | 214                   | 79.0%    | 51        | 18.8%    | 2        | 0.7%     | 0                  | 0.0%     | 4      | 1.5%     | 0        | 271    |
| Marion     | 360                   | 72.3%    | 112       | 22.5%    | 12       | 2.4%     | 1                  | 0.2%     | 13     | 2.6%     | 0        | 498    |
| Marshall   | 153                   | 59.3%    | 94        | 36.4%    | 1        | 0.4%     | 0                  | 0.0%     | 10     | 3.9%     | 0        | 258    |
| Mason      | 164                   | 71.0%    | 58        | 25.1%    | 5        | 2.2%     | 1                  | 0.4%     | 3      | 1.3%     | 0        | 231    |
| Mercer     | 707                   | 73.0%    | 224       | 23.1%    | 6        | 0.6%     | 3                  | 0.3%     | 28     | 2.9%     | 0        | 968    |
| Mineral    | 129                   | 71.3%    | 45        | 24.9%    | 4        | 2.2%     | 0                  | 0.0%     | 3      | 1.7%     | 0        | 181    |
| Mingo      | 163                   | 84.0%    | 28        | 14.4%    | 0        | 0.0%     | 1                  | 0.5%     | 2      | 1.0%     | 0        | 194    |
| Monongalia | 939                   | 67.8%    | 382       | 27.6%    | 28       | 2.0%     | 2                  | 0.1%     | 33     | 2.4%     | 1        | 1,385  |
| Monroe     | 61                    | 76.3%    | 18        | 22.5%    | 0        | 0.0%     | 0                  | 0.0%     | 1      | 1.3%     | 0        | 80     |
| Morgan     | 65                    | 51.2%    | 59        | 46.5%    | 2        | 1.6%     | 0                  | 0.0%     | 1      | 0.8%     | 0        | 127    |
| Nicholas   | 184                   | 74.5%    | 57        | 23.1%    | 4        | 1.6%     | 0                  | 0.0%     | 2      | 0.8%     | 0        | 247    |
| Ohio       | 622                   | 59.3%    | 359       | 34.2%    | 15       | 1.4%     | 3                  | 0.3%     | 50     | 4.8%     | 1        | 1,050  |
| Pendleton  | 55                    | 84.6%    | 8         | 12.3%    | 0        | 0.0%     | 1                  | 1.5%     | 1      | 1.5%     | 0        | 65     |
| Pleasants  | 43                    | 76.8%    | 9         | 16.1%    | 4        | 7.1%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 56     |
| Pocahontas | 46                    | 68.7%    | 19        | 28.4%    | 2        | 3.0%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 67     |
| Preston    | 140                   | 69.0%    | 58        | 28.6%    | 2        | 1.0%     | 1                  | 0.5%     | 2      | 1.0%     | 0        | 203    |
| Putnam     | 261                   | 71.5%    | 73        | 20.0%    | 9        | 2.5%     | 1                  | 0.3%     | 21     | 5.8%     | 1        | 366    |
| Raleigh    | 858                   | 69.3%    | 285       | 23.0%    | 6        | 0.5%     | 0                  | 0.0%     | 89     | 7.2%     | 3        | 1,241  |
| Randolph   | 270                   | 69.8%    | 102       | 26.4%    | 9        | 2.3%     | 0                  | 0.0%     | 6      | 1.6%     | 0        | 387    |
| Ritchie    | 45                    | 75.0%    | 14        | 23.3%    | 1        | 1.7%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 60     |
| Roane      | 91                    | 82.0%    | 18        | 16.2%    | 1        | 0.9%     | 1                  | 0.9%     | 0      | 0.0%     | 0        | 111    |
| Summers    | 108                   | 74.5%    | 33        | 22.8%    | 3        | 2.1%     | 0                  | 0.0%     | 1      | 0.7%     | 0        | 145    |
| Taylor     | 131                   | 75.7%    | 36        | 20.8%    | 5        | 2.9%     | 0                  | 0.0%     | 1      | 0.6%     | 1        | 174    |
| Tucker     | 41                    | 82.0%    | 8         | 16.0%    | 1        | 2.0%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 50     |
| Tyler      | 87                    | 77.0%    | 24        | 21.2%    | 2        | 1.8%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 113    |
| Upshur     | 148                   | 72.9%    | 50        | 24.6%    | 3        | 1.5%     | 0                  | 0.0%     | 2      | 1.0%     | 0        | 203    |
| Wayne      | 216                   | 83.4%    | 35        | 13.5%    | 6        | 2.3%     | 0                  | 0.0%     | 2      | 0.8%     | 1        | 260    |
| Webster    | 52                    | 69.3%    | 21        | 28.0%    | 2        | 2.7%     | 0                  | 0.0%     | 0      | 0.0%     | 2        | 77     |
| Wetzel     | 119                   | 71.7%    | 42        | 25.3%    | 3        | 1.8%     | 0                  | 0.0%     | 2      | 1.2%     | 0        | 166    |
| Wirt       | 18                    | 78.3%    | 5         | 21.7%    | 0        | 0.0%     | 0                  | 0.0%     | 0      | 0.0%     | 0        | 23     |
| Wood       | 767                   | 68.9%    | 305       | 27.4%    | 19       | 1.7%     | 0                  | 0.0%     | 22     | 2.0%     | 3        | 1,116  |
| Wyoming    | 122                   | 81.3%    | 26        | 17.3%    | 1        | 0.7%     | 0                  | 0.0%     | 1      | 0.7%     | 0        | 150    |
| Total      | 14,903                | 69.7%    | 5,405     | 25.3%    | 369      | 1.7%     | 30                 | 0.1%     | 670    | 3.1%     | 25       | 21,402 |

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\*Percentage calculated excluding unknown disposition.

Number of Deaths by County of Residence  
West Virginia, 2007-2011  
Table 55

| County     | 2007  | 2008  | 2009  | 2010  | 2011  | County     | 2007   | 2008   | 2009   | 2010   | 2011   |
|------------|-------|-------|-------|-------|-------|------------|--------|--------|--------|--------|--------|
| Barbour    | 164   | 178   | 188   | 175   | 178   | Monongalia | 626    | 635    | 614    | 617    | 649    |
| Berkeley   | 736   | 809   | 832   | 798   | 881   | Monroe     | 165    | 165    | 153    | 174    | 174    |
| Boone      | 347   | 366   | 285   | 333   | 333   | Morgan     | 183    | 196    | 195    | 214    | 194    |
| Braxton    | 183   | 183   | 163   | 153   | 166   | Nicholas   | 320    | 326    | 329    | 324    | 341    |
| Brooke     | 349   | 308   | 302   | 361   | 355   | Ohio       | 611    | 570    | 608    | 560    | 581    |
| Cabell     | 1,259 | 1,253 | 1,090 | 1,147 | 1,167 | Pendleton  | 97     | 106    | 68     | 94     | 104    |
| Calhoun    | 88    | 90    | 88    | 90    | 95    | Pleasants  | 79     | 83     | 82     | 91     | 104    |
| Clay       | 121   | 122   | 100   | 100   | 102   | Pocahontas | 117    | 106    | 110    | 115    | 91     |
| Doddridge  | 63    | 80    | 80    | 75    | 81    | Preston    | 328    | 346    | 316    | 320    | 336    |
| Fayette    | 646   | 626   | 670   | 647   | 608   | Putnam     | 471    | 536    | 505    | 505    | 510    |
| Gilmer     | 87    | 81    | 82    | 59    | 73    | Raleigh    | 962    | 918    | 992    | 1,013  | 986    |
| Grant      | 111   | 116   | 108   | 118   | 141   | Randolph   | 307    | 338    | 354    | 310    | 362    |
| Greenbrier | 426   | 497   | 483   | 455   | 530   | Ritchie    | 119    | 128    | 139    | 119    | 122    |
| Hampshire  | 203   | 209   | 221   | 249   | 254   | Roane      | 203    | 189    | 177    | 168    | 176    |
| Hancock    | 403   | 419   | 430   | 383   | 387   | Summers    | 152    | 197    | 157    | 207    | 207    |
| Hardy      | 138   | 129   | 150   | 144   | 144   | Taylor     | 171    | 195    | 180    | 199    | 203    |
| Harrison   | 854   | 824   | 875   | 827   | 928   | Tucker     | 86     | 84     | 107    | 92     | 92     |
| Jackson    | 317   | 345   | 330   | 326   | 315   | Tyler      | 112    | 109    | 103    | 127    | 152    |
| Jefferson  | 433   | 400   | 423   | 439   | 416   | Upshur     | 272    | 237    | 257    | 258    | 253    |
| Kanawha    | 2,439 | 2,572 | 2,454 | 2,467 | 2,388 | Wayne      | 433    | 446    | 484    | 482    | 458    |
| Lewis      | 240   | 219   | 223   | 198   | 202   | Webster    | 121    | 110    | 117    | 98     | 131    |
| Lincoln    | 263   | 268   | 264   | 277   | 286   | Wetzel     | 205    | 207    | 229    | 215    | 227    |
| Logan      | 484   | 498   | 508   | 484   | 550   | Wirt       | 49     | 68     | 55     | 61     | 62     |
| McDowell   | 374   | 373   | 360   | 364   | 381   | Wood       | 948    | 1,020  | 1,020  | 989    | 1,039  |
| Marion     | 696   | 730   | 689   | 643   | 642   | Wyoming    | 312    | 315    | 344    | 320    | 345    |
| Marshall   | 374   | 406   | 389   | 388   | 407   | Total      | 21,067 | 21,551 | 21,385 | 21,278 | 21,870 |
| Mason      | 294   | 309   | 313   | 359   | 325   |            |        |        |        |        |        |
| Mercer     | 897   | 849   | 893   | 865   | 946   |            |        |        |        |        |        |
| Mineral    | 277   | 282   | 326   | 322   | 319   |            |        |        |        |        |        |
| Mingo      | 352   | 380   | 371   | 360   | 371   |            |        |        |        |        |        |

Age at Death by County of Residence  
West Virginia, 2011  
Table 56

| County     | Total  | Age in Years |     |     |       |       |       |       |       |       |       |       |       |       | Average<br>Age at<br>Death |
|------------|--------|--------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
|            |        | <1           | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85+   |                            |
| Barbour    | 178    | 2            | 1   | 0   | 1     | 1     | 1     | 4     | 1     | 13    | 17    | 33    | 57    | 47    | 73.0                       |
| Berkeley   | 881    | 9            | 0   | 1   | 2     | 2     | 11    | 17    | 42    | 81    | 145   | 182   | 196   | 193   | 69.0                       |
| Boone      | 333    | 2            | 0   | 0   | 0     | 0     | 4     | 10    | 15    | 35    | 59    | 69    | 74    | 65    | 68.7                       |
| Braxton    | 166    | 2            | 0   | 0   | 0     | 0     | 1     | 6     | 2     | 14    | 22    | 32    | 44    | 43    | 71.8                       |
| Brooke     | 355    | 0            | 1   | 0   | 0     | 1     | 2     | 9     | 10    | 20    | 33    | 59    | 102   | 118   | 74.9                       |
| Cabell     | 1,167  | 6            | 0   | 1   | 0     | 1     | 7     | 24    | 45    | 94    | 153   | 189   | 298   | 349   | 72.8                       |
| Calhoun    | 95     | 1            | 0   | 0   | 0     | 1     | 0     | 1     | 1     | 4     | 13    | 16    | 36    | 22    | 74.5                       |
| Clay       | 102    | 2            | 0   | 0   | 0     | 0     | 2     | 2     | 2     | 8     | 14    | 17    | 28    | 27    | 71.2                       |
| Doddridge  | 81     | 0            | 0   | 0   | 0     | 0     | 0     | 2     | 6     | 6     | 12    | 12    | 18    | 25    | 72.4                       |
| Fayette    | 608    | 1            | 0   | 0   | 1     | 4     | 3     | 13    | 26    | 53    | 97    | 107   | 159   | 144   | 70.8                       |
| Gilmer     | 73     | 1            | 0   | 0   | 0     | 0     | 0     | 1     | 3     | 3     | 9     | 14    | 16    | 26    | 74.6                       |
| Grant      | 141    | 0            | 1   | 1   | 0     | 0     | 2     | 3     | 0     | 10    | 15    | 30    | 34    | 45    | 73.5                       |
| Greenbrier | 530    | 3            | 0   | 0   | 1     | 4     | 3     | 10    | 22    | 27    | 57    | 91    | 153   | 159   | 73.6                       |
| Hampshire  | 254    | 2            | 0   | 0   | 0     | 3     | 3     | 4     | 8     | 15    | 36    | 48    | 73    | 62    | 71.6                       |
| Hancock    | 387    | 2            | 0   | 0   | 0     | 0     | 1     | 4     | 5     | 30    | 55    | 52    | 110   | 128   | 75.3                       |
| Hardy      | 144    | 2            | 0   | 0   | 0     | 0     | 0     | 2     | 6     | 7     | 19    | 25    | 48    | 35    | 72.8                       |
| Harrison   | 928    | 3            | 1   | 1   | 1     | 0     | 7     | 20    | 38    | 51    | 131   | 173   | 249   | 253   | 72.7                       |
| Jackson    | 315    | 4            | 0   | 0   | 2     | 2     | 1     | 5     | 13    | 17    | 31    | 55    | 105   | 80    | 72.8                       |
| Jefferson  | 416    | 2            | 1   | 0   | 0     | 1     | 6     | 5     | 18    | 27    | 60    | 83    | 103   | 110   | 71.7                       |
| Kanawha    | 2,388  | 15           | 1   | 1   | 0     | 5     | 11    | 53    | 68    | 208   | 303   | 386   | 666   | 671   | 72.8                       |
| Lewis      | 202    | 1            | 1   | 0   | 0     | 1     | 0     | 1     | 8     | 8     | 27    | 49    | 53    | 53    | 73.5                       |
| Lincoln    | 286    | 2            | 0   | 3   | 0     | 2     | 2     | 7     | 12    | 24    | 52    | 60    | 71    | 51    | 68.6                       |
| Logan      | 550    | 4            | 0   | 0   | 1     | 0     | 3     | 23    | 27    | 64    | 90    | 104   | 136   | 98    | 67.8                       |
| McDowell   | 381    | 2            | 0   | 0   | 0     | 1     | 3     | 15    | 22    | 42    | 79    | 61    | 76    | 80    | 67.3                       |
| Marion     | 642    | 5            | 3   | 0   | 0     | 5     | 4     | 7     | 13    | 39    | 77    | 103   | 176   | 210   | 74.4                       |
| Marshall   | 407    | 5            | 0   | 0   | 0     | 2     | 3     | 4     | 6     | 26    | 54    | 72    | 113   | 122   | 73.8                       |
| Mason      | 325    | 2            | 1   | 0   | 1     | 0     | 3     | 11    | 12    | 29    | 45    | 62    | 97    | 62    | 69.5                       |
| Mercer     | 946    | 4            | 3   | 2   | 1     | 5     | 8     | 12    | 45    | 83    | 133   | 151   | 221   | 278   | 71.8                       |
| Mineral    | 319    | 5            | 0   | 1   | 0     | 2     | 2     | 4     | 6     | 18    | 30    | 72    | 92    | 87    | 73.4                       |
| Mingo      | 371    | 2            | 1   | 0   | 0     | 0     | 4     | 8     | 16    | 49    | 74    | 70    | 83    | 64    | 67.3                       |
| Monongalia | 649    | 3            | 0   | 0   | 2     | 5     | 4     | 9     | 18    | 54    | 79    | 114   | 164   | 197   | 73.1                       |
| Monroe     | 174    | 2            | 0   | 0   | 0     | 0     | 0     | 0     | 5     | 11    | 27    | 35    | 52    | 42    | 72.9                       |
| Morgan     | 194    | 2            | 0   | 0   | 1     | 0     | 1     | 1     | 5     | 11    | 35    | 38    | 57    | 43    | 72.2                       |
| Nicholas   | 341    | 3            | 1   | 0   | 2     | 1     | 3     | 6     | 17    | 28    | 57    | 61    | 84    | 78    | 69.6                       |
| Ohio       | 581    | 5            | 1   | 0   | 0     | 0     | 1     | 5     | 8     | 29    | 74    | 98    | 158   | 202   | 75.8                       |
| Pendleton  | 104    | 0            | 0   | 0   | 0     | 0     | 0     | 0     | 1     | 4     | 10    | 22    | 29    | 38    | 78.5                       |
| Pleasants  | 104    | 0            | 0   | 0   | 0     | 0     | 1     | 0     | 3     | 3     | 12    | 23    | 33    | 29    | 75.3                       |
| Pocahontas | 91     | 0            | 0   | 0   | 0     | 0     | 2     | 1     | 0     | 3     | 13    | 13    | 30    | 29    | 76.0                       |
| Preston    | 336    | 4            | 1   | 0   | 0     | 0     | 3     | 6     | 7     | 30    | 46    | 66    | 81    | 92    | 71.9                       |
| Putnam     | 510    | 4            | 0   | 0   | 2     | 1     | 0     | 12    | 15    | 36    | 51    | 102   | 131   | 156   | 73.4                       |
| Raleigh    | 986    | 4            | 0   | 1   | 0     | 1     | 12    | 27    | 47    | 93    | 139   | 173   | 249   | 240   | 70.5                       |
| Randolph   | 362    | 2            | 0   | 0   | 0     | 2     | 0     | 8     | 12    | 24    | 35    | 76    | 96    | 107   | 74.0                       |
| Ritchie    | 122    | 0            | 0   | 0   | 0     | 0     | 2     | 0     | 4     | 10    | 14    | 31    | 29    | 32    | 73.3                       |
| Roane      | 176    | 1            | 0   | 0   | 0     | 3     | 4     | 1     | 9     | 13    | 32    | 26    | 38    | 49    | 70.2                       |
| Summers    | 207    | 1            | 0   | 0   | 0     | 0     | 1     | 7     | 6     | 12    | 25    | 44    | 64    | 47    | 72.2                       |
| Taylor     | 203    | 0            | 1   | 1   | 0     | 1     | 2     | 6     | 4     | 9     | 25    | 36    | 59    | 59    | 73.2                       |
| Tucker     | 92     | 0            | 0   | 0   | 0     | 1     | 0     | 0     | 1     | 4     | 10    | 16    | 23    | 37    | 77.5                       |
| Tyler      | 152    | 0            | 0   | 0   | 1     | 0     | 0     | 1     | 3     | 12    | 19    | 30    | 53    | 33    | 73.8                       |
| Upshur     | 253    | 2            | 0   | 0   | 1     | 2     | 3     | 2     | 8     | 20    | 27    | 53    | 61    | 74    | 72.4                       |
| Wayne      | 458    | 4            | 0   | 0   | 0     | 2     | 4     | 15    | 17    | 32    | 58    | 104   | 118   | 104   | 70.4                       |
| Webster    | 131    | 0            | 0   | 0   | 0     | 0     | 2     | 1     | 1     | 10    | 19    | 32    | 35    | 31    | 72.9                       |
| Wetzel     | 227    | 1            | 0   | 0   | 0     | 3     | 0     | 5     | 3     | 19    | 20    | 44    | 67    | 65    | 73.6                       |
| Wirt       | 62     | 1            | 0   | 0   | 0     | 0     | 1     | 1     | 3     | 2     | 8     | 14    | 12    | 20    | 72.0                       |
| Wood       | 1,039  | 9            | 1   | 0   | 1     | 2     | 3     | 16    | 25    | 67    | 131   | 190   | 278   | 316   | 73.8                       |
| Wyoming    | 345    | 2            | 0   | 1   | 1     | 3     | 5     | 13    | 26    | 38    | 51    | 72    | 79    | 54    | 65.9                       |
| Total      | 21,870 | 141          | 20  | 14  | 22    | 70    | 151   | 430   | 746   | 1,679 | 2,959 | 3,990 | 5,767 | 5,881 | 72.1                       |

Place Death Occurred by County of Residence  
West Virginia, 2011  
Table 57

| County     | Place Death Occurred |                       |                      |                  |                       |                          |       |              |                               |         | Total  |
|------------|----------------------|-----------------------|----------------------|------------------|-----------------------|--------------------------|-------|--------------|-------------------------------|---------|--------|
|            | WV Hospital          | Out-of-State Hospital | En Route to Hospital | Clinic or Center | Licensed Nursing Home | Unlicensed Personal Care | Home  | Hospice Care | Named Place or Street Address | Unknown |        |
| Barbour    | 69                   | 1                     | 10                   | 0                | 29                    | 6                        | 49    | 4            | 10                            | 0       | 178    |
| Berkeley   | 273                  | 97                    | 3                    | 0                | 133                   | 10                       | 307   | 2            | 56                            | 0       | 881    |
| Boone      | 143                  | 1                     | 3                    | 0                | 26                    | 3                        | 99    | 21           | 37                            | 0       | 333    |
| Braxton    | 50                   | 2                     | 0                    | 0                | 21                    | 2                        | 71    | 5            | 15                            | 0       | 166    |
| Brooke     | 82                   | 69                    | 2                    | 0                | 50                    | 17                       | 81    | 34           | 20                            | 0       | 355    |
| Cabell     | 415                  | 12                    | 6                    | 0                | 147                   | 21                       | 240   | 286          | 39                            | 1       | 1,167  |
| Calhoun    | 28                   | 1                     | 0                    | 17               | 6                     | 0                        | 33    | 2            | 8                             | 0       | 95     |
| Clay       | 34                   | 1                     | 0                    | 0                | 11                    | 2                        | 32    | 11           | 11                            | 0       | 102    |
| Doddridge  | 33                   | 2                     | 2                    | 0                | 8                     | 0                        | 30    | 0            | 6                             | 0       | 81     |
| Fayette    | 263                  | 20                    | 5                    | 0                | 77                    | 1                        | 153   | 60           | 29                            | 0       | 608    |
| Gilmer     | 26                   | 2                     | 0                    | 0                | 7                     | 0                        | 33    | 2            | 3                             | 0       | 73     |
| Grant      | 58                   | 16                    | 4                    | 0                | 19                    | 0                        | 38    | 0            | 6                             | 0       | 141    |
| Greenbrier | 180                  | 44                    | 10                   | 1                | 99                    | 8                        | 152   | 10           | 26                            | 0       | 530    |
| Hampshire  | 26                   | 72                    | 5                    | 0                | 40                    | 1                        | 88    | 0            | 22                            | 0       | 254    |
| Hancock    | 87                   | 84                    | 7                    | 0                | 62                    | 11                       | 98    | 20           | 17                            | 1       | 387    |
| Hardy      | 28                   | 31                    | 1                    | 0                | 29                    | 0                        | 39    | 0            | 16                            | 0       | 144    |
| Harrison   | 361                  | 16                    | 9                    | 0                | 187                   | 10                       | 270   | 1            | 74                            | 0       | 928    |
| Jackson    | 116                  | 6                     | 1                    | 0                | 70                    | 1                        | 85    | 22           | 14                            | 0       | 315    |
| Jefferson  | 102                  | 66                    | 6                    | 0                | 88                    | 3                        | 124   | 1            | 26                            | 0       | 416    |
| Kanawha    | 837                  | 27                    | 6                    | 0                | 235                   | 39                       | 620   | 502          | 122                           | 0       | 2,388  |
| Lewis      | 90                   | 1                     | 1                    | 0                | 39                    | 5                        | 54    | 2            | 10                            | 0       | 202    |
| Lincoln    | 106                  | 1                     | 2                    | 0                | 33                    | 1                        | 75    | 43           | 25                            | 0       | 286    |
| Logan      | 299                  | 16                    | 1                    | 0                | 42                    | 4                        | 122   | 18           | 48                            | 0       | 550    |
| McDowell   | 144                  | 43                    | 13                   | 0                | 41                    | 2                        | 79    | 4            | 55                            | 0       | 381    |
| Marion     | 220                  | 19                    | 4                    | 0                | 131                   | 14                       | 216   | 0            | 38                            | 0       | 642    |
| Marshall   | 155                  | 21                    | 6                    | 0                | 69                    | 2                        | 98    | 34           | 22                            | 0       | 407    |
| Mason      | 97                   | 29                    | 11                   | 0                | 60                    | 1                        | 91    | 11           | 25                            | 0       | 325    |
| Mercer     | 347                  | 73                    | 13                   | 0                | 156                   | 34                       | 250   | 15           | 57                            | 1       | 946    |
| Mineral    | 44                   | 99                    | 12                   | 0                | 67                    | 0                        | 74    | 0            | 23                            | 0       | 319    |
| Mingo      | 128                  | 80                    | 4                    | 0                | 23                    | 3                        | 73    | 8            | 52                            | 0       | 371    |
| Monongalia | 246                  | 15                    | 1                    | 0                | 120                   | 8                        | 229   | 3            | 27                            | 0       | 649    |
| Monroe     | 41                   | 44                    | 0                    | 0                | 19                    | 6                        | 49    | 4            | 11                            | 0       | 174    |
| Morgan     | 33                   | 53                    | 4                    | 0                | 37                    | 0                        | 56    | 1            | 10                            | 0       | 194    |
| Nicholas   | 151                  | 8                     | 3                    | 0                | 53                    | 0                        | 93    | 13           | 20                            | 0       | 341    |
| Ohio       | 193                  | 16                    | 3                    | 0                | 124                   | 3                        | 154   | 72           | 16                            | 0       | 581    |
| Pendleton  | 14                   | 24                    | 0                    | 0                | 34                    | 0                        | 22    | 2            | 8                             | 0       | 104    |
| Pleasants  | 32                   | 8                     | 3                    | 0                | 22                    | 0                        | 33    | 0            | 6                             | 0       | 104    |
| Pocahontas | 25                   | 8                     | 1                    | 0                | 14                    | 2                        | 32    | 0            | 9                             | 0       | 91     |
| Preston    | 136                  | 11                    | 6                    | 0                | 48                    | 1                        | 107   | 2            | 24                            | 1       | 336    |
| Putnam     | 196                  | 7                     | 2                    | 0                | 58                    | 15                       | 141   | 67           | 24                            | 0       | 510    |
| Raleigh    | 401                  | 19                    | 24                   | 1                | 75                    | 7                        | 219   | 182          | 56                            | 2       | 986    |
| Randolph   | 107                  | 6                     | 28                   | 0                | 68                    | 16                       | 70    | 38           | 29                            | 0       | 362    |
| Ritchie    | 45                   | 5                     | 2                    | 1                | 24                    | 0                        | 38    | 2            | 5                             | 0       | 122    |
| Roane      | 94                   | 4                     | 1                    | 0                | 12                    | 2                        | 41    | 12           | 10                            | 0       | 176    |
| Summers    | 78                   | 10                    | 2                    | 0                | 33                    | 3                        | 54    | 8            | 19                            | 0       | 207    |
| Taylor     | 83                   | 3                     | 1                    | 0                | 19                    | 8                        | 77    | 2            | 10                            | 0       | 203    |
| Tucker     | 29                   | 2                     | 5                    | 0                | 23                    | 1                        | 18    | 10           | 4                             | 0       | 92     |
| Tyler      | 70                   | 8                     | 0                    | 0                | 15                    | 4                        | 41    | 2            | 12                            | 0       | 152    |
| Upshur     | 87                   | 5                     | 3                    | 0                | 54                    | 5                        | 82    | 5            | 11                            | 1       | 253    |
| Wayne      | 129                  | 34                    | 2                    | 0                | 42                    | 5                        | 133   | 89           | 24                            | 0       | 458    |
| Webster    | 48                   | 4                     | 5                    | 0                | 22                    | 1                        | 36    | 5            | 10                            | 0       | 131    |
| Wetzel     | 88                   | 6                     | 2                    | 0                | 43                    | 2                        | 58    | 1            | 27                            | 0       | 227    |
| Wirt       | 32                   | 1                     | 0                    | 1                | 8                     | 1                        | 17    | 0            | 2                             | 0       | 62     |
| Wood       | 389                  | 47                    | 6                    | 0                | 219                   | 14                       | 317   | 6            | 41                            | 0       | 1,039  |
| Wyoming    | 136                  | 13                    | 6                    | 0                | 24                    | 1                        | 58    | 28           | 79                            | 0       | 345    |
| Total      | 7,724                | 1,313                 | 257                  | 21               | 3,215                 | 306                      | 5,949 | 1,672        | 1,406                         | 7       | 21,870 |

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Note: En Route to Hospital includes any patient status listed as Dead On Arrival

Firearm Injury Deaths by Type of Injury and County  
West Virginia Residents, 2011  
Table 58

| County     | Un-intentional | Intentional |         |                    | Un-determined | Total |
|------------|----------------|-------------|---------|--------------------|---------------|-------|
|            |                | Suicide     | Assault | Legal Intervention |               |       |
| Barbour    | 0              | 2           | 0       | 0                  | 0             | 2     |
| Berkeley   | 0              | 11          | 0       | 0                  | 0             | 11    |
| Boone      | 0              | 2           | 0       | 0                  | 0             | 2     |
| Braxton    | 0              | 3           | 0       | 0                  | 0             | 3     |
| Brooke     | 0              | 6           | 1       | 0                  | 0             | 7     |
| Cabell     | 0              | 8           | 2       | 0                  | 0             | 10    |
| Calhoun    | 0              | 1           | 1       | 0                  | 0             | 2     |
| Clay       | 0              | 3           | 1       | 0                  | 0             | 4     |
| Doddridge  | 0              | 2           | 0       | 0                  | 0             | 2     |
| Fayette    | 0              | 3           | 5       | 0                  | 0             | 8     |
| Gilmer     | 0              | 0           | 1       | 0                  | 0             | 1     |
| Grant      | 0              | 4           | 0       | 0                  | 0             | 4     |
| Greenbrier | 0              | 5           | 0       | 0                  | 0             | 5     |
| Hampshire  | 0              | 2           | 0       | 0                  | 0             | 2     |
| Hancock    | 0              | 2           | 0       | 0                  | 0             | 2     |
| Hardy      | 0              | 2           | 0       | 0                  | 0             | 2     |
| Harrison   | 1              | 4           | 2       | 0                  | 0             | 7     |
| Jackson    | 0              | 4           | 2       | 0                  | 0             | 6     |
| Jefferson  | 0              | 4           | 1       | 0                  | 0             | 5     |
| Kanawha    | 1              | 18          | 7       | 0                  | 0             | 26    |
| Lewis      | 0              | 2           | 0       | 0                  | 0             | 2     |
| Lincoln    | 0              | 4           | 1       | 0                  | 0             | 5     |
| Logan      | 0              | 4           | 3       | 0                  | 0             | 7     |
| McDowell   | 0              | 2           | 5       | 0                  | 1             | 8     |
| Marion     | 0              | 6           | 1       | 2                  | 0             | 9     |
| Marshall   | 0              | 3           | 1       | 0                  | 0             | 4     |
| Mason      | 1              | 4           | 3       | 0                  | 0             | 8     |
| Mercer     | 1              | 10          | 5       | 0                  | 0             | 16    |
| Mineral    | 0              | 4           | 0       | 0                  | 0             | 4     |
| Mingo      | 0              | 1           | 3       | 0                  | 0             | 4     |
| Monongalia | 0              | 6           | 4       | 0                  | 0             | 10    |
| Monroe     | 0              | 1           | 1       | 0                  | 0             | 2     |
| Morgan     | 0              | 2           | 2       | 0                  | 0             | 4     |
| Nicholas   | 2              | 2           | 0       | 0                  | 0             | 4     |
| Ohio       | 0              | 3           | 0       | 0                  | 0             | 3     |
| Pendleton  | 0              | 0           | 1       | 0                  | 0             | 1     |
| Pleasants  | 0              | 0           | 0       | 0                  | 0             | 0     |
| Pocahontas | 1              | 1           | 0       | 0                  | 0             | 2     |
| Preston    | 0              | 3           | 0       | 0                  | 0             | 3     |
| Putnam     | 0              | 4           | 1       | 0                  | 0             | 5     |
| Raleigh    | 0              | 13          | 1       | 0                  | 0             | 14    |
| Randolph   | 1              | 5           | 1       | 0                  | 0             | 7     |
| Ritchie    | 0              | 3           | 0       | 0                  | 0             | 3     |
| Roane      | 0              | 6           | 1       | 0                  | 0             | 7     |
| Summers    | 0              | 3           | 1       | 0                  | 1             | 5     |
| Taylor     | 0              | 4           | 0       | 0                  | 0             | 4     |
| Tucker     | 0              | 0           | 0       | 0                  | 0             | 0     |
| Tyler      | 0              | 2           | 0       | 0                  | 0             | 2     |
| Upshur     | 0              | 4           | 1       | 0                  | 0             | 5     |
| Wayne      | 0              | 2           | 1       | 0                  | 0             | 3     |
| Webster    | 0              | 0           | 0       | 0                  | 0             | 0     |
| Wetzel     | 0              | 3           | 2       | 0                  | 0             | 5     |
| Wirt       | 0              | 1           | 0       | 0                  | 0             | 1     |
| Wood       | 0              | 3           | 2       | 0                  | 0             | 5     |
| Wyoming    | 0              | 3           | 2       | 0                  | 0             | 5     |
| Total      | 8              | 200         | 66      | 2                  | 2             | 278   |

Number and Rate of Resident Infant Deaths by County  
West Virginia Residents, 2007-2011

Table 59

| County     | 2007   |       | 2008   |       | 2009   |       | 2010   |       | 2011   |       |
|------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
|            | Number | Rate* | Number | Rate* | Number | Rate* | Number | Rate* | Number | Rate* |
| Barbour    | 1      | 5.2   | 0      | 0.0   | 1      | 5.8   | 0      | 0.0   | 2      | 10.9  |
| Berkeley   | 11     | 7.3   | 16     | 11.2  | 18     | 13.3  | 6      | 4.7   | 9      | 6.6   |
| Boone      | 3      | 9.3   | 4      | 11.3  | 0      | 0.0   | 5      | 16.3  | 2      | 6.5   |
| Braxton    | 2      | 11.4  | 1      | 6.8   | 0      | 0.0   | 0      | 0.0   | 2      | 13.0  |
| Brooke     | 1      | 4.5   | 1      | 4.5   | 0      | 0.0   | 1      | 5.0   | 0      | 0.0   |
| Cabell     | 18     | 14.6  | 13     | 10.3  | 5      | 4.0   | 9      | 7.9   | 6      | 4.9   |
| Calhoun    | 0      | 0.0   | 0      | 0.0   | 1      | 10.9  | 0      | 0.0   | 1      | 11.1  |
| Clay       | 2      | 13.6  | 1      | 7.0   | 1      | 7.6   | 0      | 0.0   | 2      | 17.4  |
| Doddridge  | 1      | 15.4  | 0      | 0.0   | 1      | 13.0  | 0      | 0.0   | 0      | 0.0   |
| Fayette    | 3      | 4.8   | 4      | 7.0   | 8      | 13.2  | 5      | 8.8   | 1      | 1.7   |
| Gilmer     | 0      | 0.0   | 0      | 0.0   | 1      | 13.9  | 0      | 0.0   | 1      | 15.2  |
| Grant      | 1      | 8.0   | 1      | 7.9   | 0      | 0.0   | 3      | 23.4  | 0      | 0.0   |
| Greenbrier | 2      | 5.0   | 1      | 2.5   | 6      | 15.1  | 0      | 0.0   | 3      | 8.8   |
| Hampshire  | 1      | 3.7   | 0      | 0.0   | 0      | 0.0   | 1      | 4.4   | 2      | 9.0   |
| Hancock    | 2      | 6.3   | 4      | 12.1  | 0      | 0.0   | 2      | 6.9   | 2      | 6.5   |
| Hardy      | 2      | 11.3  | 1      | 6.1   | 1      | 6.3   | 1      | 6.8   | 2      | 14.6  |
| Harrison   | 2      | 2.5   | 12     | 14.0  | 10     | 12.1  | 4      | 5.0   | 3      | 3.7   |
| Jackson    | 1      | 3.0   | 3      | 8.2   | 2      | 6.2   | 2      | 6.0   | 4      | 12.9  |
| Jefferson  | 3      | 4.1   | 2      | 2.9   | 6      | 9.6   | 3      | 5.0   | 2      | 3.2   |
| Kanawha    | 18     | 7.6   | 19     | 7.9   | 26     | 11.4  | 11     | 5.0   | 15     | 7.0   |
| Lewis      | 2      | 8.6   | 1      | 5.0   | 2      | 10.4  | 1      | 5.3   | 1      | 4.9   |
| Lincoln    | 1      | 3.7   | 1      | 3.7   | 1      | 3.9   | 1      | 3.9   | 2      | 7.3   |
| Logan      | 4      | 8.7   | 1      | 2.4   | 4      | 9.4   | 1      | 2.3   | 4      | 8.8   |
| McDowell   | 1      | 3.4   | 5      | 16.6  | 4      | 13.7  | 7      | 25.2  | 2      | 7.9   |
| Marion     | 2      | 3.0   | 10     | 16.0  | 2      | 3.1   | 4      | 5.9   | 5      | 7.4   |
| Marshall   | 1      | 2.8   | 5      | 15.2  | 1      | 3.0   | 3      | 9.3   | 5      | 17.5  |
| Mason      | 5      | 14.7  | 2      | 6.4   | 2      | 7.2   | 5      | 16.2  | 2      | 7.3   |
| Mercer     | 7      | 9.3   | 5      | 6.1   | 7      | 8.6   | 11     | 13.9  | 4      | 5.2   |
| Mineral    | 1      | 3.0   | 1      | 3.1   | 1      | 3.1   | 4      | 13.3  | 5      | 17.2  |
| Mingo      | 5      | 12.6  | 5      | 14.4  | 3      | 8.2   | 4      | 10.3  | 2      | 5.8   |
| Monongalia | 2      | 2.2   | 5      | 5.4   | 5      | 5.4   | 6      | 6.2   | 3      | 2.9   |
| Monroe     | 2      | 14.1  | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   | 2      | 14.2  |
| Morgan     | 0      | 0.0   | 1      | 6.3   | 3      | 18.5  | 0      | 0.0   | 2      | 12.7  |
| Nicholas   | 5      | 15.4  | 3      | 9.6   | 3      | 9.0   | 2      | 6.9   | 3      | 10.0  |
| Ohio       | 4      | 7.9   | 2      | 4.3   | 4      | 7.9   | 5      | 10.6  | 5      | 11.0  |
| Pendleton  | 0      | 0.0   | 1      | 13.5  | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   |
| Pleasants  | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   |
| Pocahontas | 0      | 0.0   | 0      | 0.0   | 3      | 29.7  | 1      | 12.7  | 0      | 0.0   |
| Preston    | 4      | 11.6  | 2      | 5.4   | 5      | 14.2  | 4      | 12.0  | 4      | 10.6  |
| Putnam     | 3      | 4.7   | 3      | 4.9   | 0      | 0.0   | 5      | 8.6   | 4      | 6.6   |
| Raleigh    | 6      | 6.1   | 6      | 6.5   | 3      | 3.1   | 7      | 7.2   | 4      | 4.1   |
| Randolph   | 2      | 5.8   | 6      | 18.4  | 4      | 13.7  | 2      | 7.1   | 2      | 6.6   |
| Ritchie    | 1      | 9.6   | 0      | 0.0   | 0      | 0.0   | 1      | 12.0  | 0      | 0.0   |
| Roane      | 1      | 5.7   | 0      | 0.0   | 0      | 0.0   | 2      | 12.7  | 1      | 6.5   |
| Summers    | 2      | 16.4  | 1      | 8.6   | 2      | 16.3  | 1      | 9.3   | 1      | 7.6   |
| Taylor     | 0      | 0.0   | 1      | 6.2   | 2      | 10.1  | 1      | 5.6   | 0      | 0.0   |
| Tucker     | 2      | 24.1  | 0      | 0.0   | 0      | 0.0   | 2      | 29.4  | 0      | 0.0   |
| Tyler      | 1      | 10.4  | 0      | 0.0   | 0      | 0.0   | 1      | 12.5  | 0      | 0.0   |
| Upshur     | 1      | 3.7   | 2      | 7.8   | 2      | 7.5   | 1      | 3.7   | 2      | 7.3   |
| Wayne      | 4      | 8.7   | 4      | 8.7   | 3      | 7.3   | 2      | 5.5   | 4      | 10.4  |
| Webster    | 1      | 8.5   | 1      | 9.2   | 1      | 7.5   | 0      | 0.0   | 0      | 0.0   |
| Wetzel     | 1      | 6.1   | 1      | 5.8   | 1      | 5.7   | 0      | 0.0   | 1      | 5.9   |
| Wirt       | 0      | 0.0   | 1      | 16.1  | 0      | 0.0   | 1      | 14.9  | 1      | 19.2  |
| Wood       | 14     | 13.4  | 5      | 5.2   | 10     | 9.6   | 8      | 8.3   | 9      | 9.1   |
| Wyoming    | 4      | 16.0  | 2      | 7.7   | 2      | 7.5   | 4      | 15.2  | 2      | 8.0   |
| Total      | 163    | 7.4   | 166    | 7.7   | 167    | 7.8   | 150    | 7.3   | 141    | 6.8   |

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

Number and Ratio of Resident Fetal Deaths by County  
West Virginia Residents, 2007-2011  
Table 60

| County     | 2007   |        | 2008   |        | 2009   |        | 2010   |        | 2011   |        |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|            | Number | Ratio* | Number | Ratio* | Number | Ratio* | Number | Ratio* | Number | Ratio* |
| Barbour    | 3      | 15.5   | 1      | 5.7    | 2      | 11.7   | 0      | 0.0    | 1      | 5.5    |
| Berkeley   | 10     | 6.6    | 3      | 2.1    | 10     | 7.4    | 3      | 2.3    | 4      | 3.0    |
| Boone      | 3      | 9.3    | 1      | 2.8    | 5      | 15.3   | 3      | 9.8    | 0      | 0.0    |
| Braxton    | 2      | 11.4   | 0      | 0.0    | 1      | 6.3    | 2      | 12.3   | 1      | 6.5    |
| Brooke     | 2      | 9.1    | 3      | 13.5   | 2      | 9.6    | 0      | 0.0    | 1      | 5.5    |
| Cabell     | 4      | 3.2    | 7      | 5.6    | 9      | 7.1    | 6      | 5.2    | 2      | 1.6    |
| Calhoun    | 0      | 0.0    | 0      | 0.0    | 1      | 10.9   | 0      | 0.0    | 0      | 0.0    |
| Clay       | 1      | 6.8    | 1      | 7.0    | 0      | 0.0    | 2      | 15.2   | 0      | 0.0    |
| Doddridge  | 0      | 0.0    | 1      | 13.5   | 1      | 13.0   | 0      | 0.0    | 0      | 0.0    |
| Fayette    | 8      | 12.7   | 5      | 8.8    | 6      | 9.9    | 1      | 1.8    | 3      | 5.1    |
| Gilmer     | 1      | 12.5   | 0      | 0.0    | 0      | 0.0    | 2      | 25.6   | 0      | 0.0    |
| Grant      | 1      | 8.0    | 0      | 0.0    | 0      | 0.0    | 1      | 7.8    | 0      | 0.0    |
| Greenbrier | 3      | 7.5    | 0      | 0.0    | 1      | 2.5    | 2      | 5.7    | 2      | 5.9    |
| Hampshire  | 0      | 0.0    | 2      | 7.6    | 1      | 4.2    | 1      | 4.4    | 0      | 0.0    |
| Hancock    | 0      | 0.0    | 0      | 0.0    | 3      | 10.2   | 0      | 0.0    | 1      | 3.2    |
| Hardy      | 1      | 5.6    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    |
| Harrison   | 3      | 3.7    | 2      | 2.3    | 4      | 4.8    | 0      | 0.0    | 1      | 1.2    |
| Jackson    | 0      | 0.0    | 0      | 0.0    | 2      | 6.2    | 0      | 0.0    | 1      | 3.2    |
| Jefferson  | 2      | 2.8    | 2      | 2.9    | 1      | 1.6    | 1      | 1.7    | 1      | 1.6    |
| Kanawha    | 6      | 2.5    | 16     | 6.7    | 20     | 8.8    | 7      | 3.2    | 5      | 2.3    |
| Lewis      | 2      | 8.6    | 2      | 9.9    | 1      | 5.2    | 2      | 10.6   | 1      | 4.9    |
| Lincoln    | 4      | 14.9   | 0      | 0.0    | 3      | 11.7   | 0      | 0.0    | 4      | 14.6   |
| Logan      | 6      | 13.1   | 2      | 4.8    | 2      | 4.7    | 1      | 2.3    | 4      | 8.8    |
| McDowell   | 2      | 6.8    | 1      | 3.3    | 2      | 6.8    | 1      | 3.6    | 3      | 11.8   |
| Marion     | 5      | 7.5    | 1      | 1.6    | 1      | 1.5    | 4      | 5.9    | 0      | 0.0    |
| Marshall   | 1      | 2.8    | 1      | 3.0    | 2      | 6.1    | 1      | 3.1    | 0      | 0.0    |
| Mason      | 2      | 5.9    | 3      | 9.6    | 1      | 3.6    | 0      | 0.0    | 0      | 0.0    |
| Mercer     | 2      | 2.6    | 3      | 3.7    | 5      | 6.1    | 6      | 7.6    | 3      | 3.9    |
| Mineral    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 1      | 3.3    | 0      | 0.0    |
| Mingo      | 2      | 5.1    | 2      | 5.7    | 1      | 2.7    | 1      | 2.6    | 0      | 0.0    |
| Monongalia | 6      | 6.6    | 2      | 2.2    | 4      | 4.3    | 2      | 2.1    | 5      | 4.8    |
| Monroe     | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 1      | 7.1    |
| Morgan     | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 1      | 7.6    | 0      | 0.0    |
| Nicholas   | 1      | 3.1    | 0      | 0.0    | 7      | 21.1   | 3      | 10.3   | 2      | 6.6    |
| Ohio       | 4      | 7.9    | 2      | 4.3    | 3      | 5.9    | 3      | 6.4    | 3      | 6.6    |
| Pendleton  | 0      | 0.0    | 1      | 13.5   | 0      | 0.0    | 1      | 14.3   | 0      | 0.0    |
| Pleasants  | 0      | 0.0    | 1      | 13.0   | 3      | 46.9   | 2      | 35.7   | 2      | 39.2   |
| Pocahontas | 2      | 20.6   | 2      | 21.7   | 0      | 0.0    | 0      | 0.0    | 3      | 34.1   |
| Preston    | 1      | 2.9    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 4      | 10.6   |
| Putnam     | 2      | 3.1    | 6      | 9.8    | 1      | 1.7    | 3      | 5.1    | 3      | 4.9    |
| Raleigh    | 10     | 10.1   | 6      | 6.5    | 5      | 5.2    | 4      | 4.1    | 8      | 8.2    |
| Randolph   | 0      | 0.0    | 4      | 12.3   | 1      | 3.4    | 3      | 10.6   | 3      | 9.9    |
| Ritchie    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    |
| Roane      | 1      | 5.7    | 0      | 0.0    | 0      | 0.0    | 1      | 6.4    | 0      | 0.0    |
| Summers    | 1      | 8.2    | 0      | 0.0    | 1      | 8.1    | 0      | 0.0    | 0      | 0.0    |
| Taylor     | 1      | 6.1    | 0      | 0.0    | 0      | 0.0    | 1      | 5.6    | 1      | 5.6    |
| Tucker     | 0      | 0.0    | 0      | 0.0    | 1      | 14.5   | 0      | 0.0    | 0      | 0.0    |
| Tyler      | 0      | 0.0    | 0      | 0.0    | 1      | 10.0   | 1      | 12.5   | 0      | 0.0    |
| Upshur     | 1      | 3.7    | 1      | 3.9    | 2      | 7.5    | 0      | 0.0    | 3      | 10.9   |
| Wayne      | 0      | 0.0    | 1      | 2.2    | 1      | 2.4    | 4      | 10.9   | 0      | 0.0    |
| Webster    | 0      | 0.0    | 1      | 9.2    | 1      | 7.5    | 0      | 0.0    | 0      | 0.0    |
| Wetzel     | 0      | 0.0    | 2      | 11.7   | 0      | 0.0    | 1      | 5.9    | 0      | 0.0    |
| Wirt       | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    | 0      | 0.0    |
| Wood       | 9      | 8.6    | 5      | 5.2    | 1      | 1.0    | 2      | 2.1    | 13     | 13.1   |
| Wyoming    | 1      | 4.0    | 1      | 3.9    | 2      | 7.5    | 3      | 11.4   | 1      | 4.0    |
| Total      | 116    | 5.3    | 94     | 4.4    | 121    | 5.7    | 83     | 4.1    | 90     | 4.3    |

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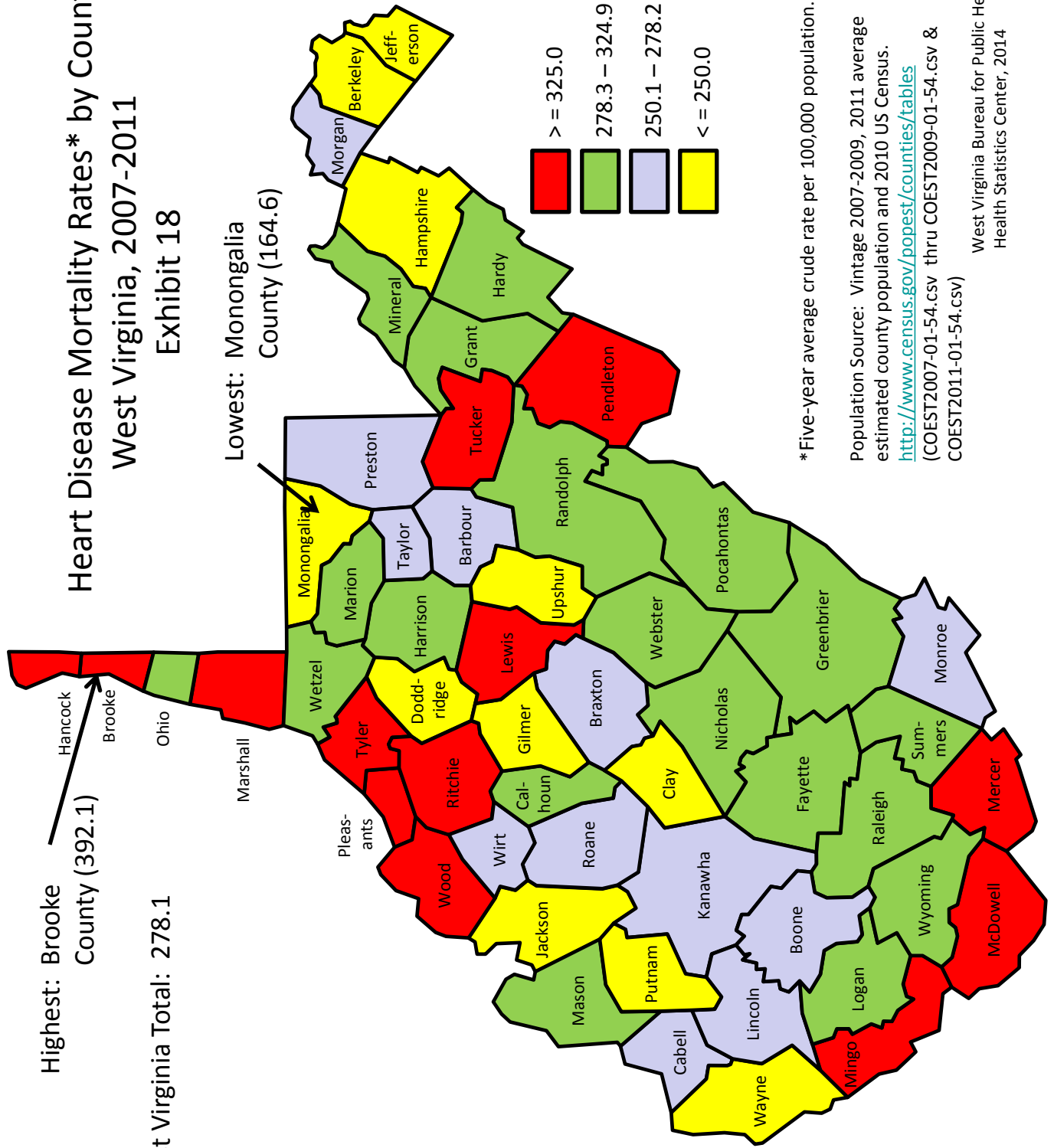
\*Fetal death ratio = (fetal deaths/live births) X 1000 in each respective county.

Highest: Brooke  
County (392.1)

# Heart Disease Mortality Rates\* by County West Virginia, 2007-2011 Exhibit 18

West Virginia Total: 278.1

Lowest: Monongalia  
County (164.6)



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

Population Source: Vintage 2007-2009, 2011 average estimated county population and 2010 US Census.  
<http://www.census.gov/popest/counties/tables>  
(COEST2007-01-54.csv thru COEST2009-01-54.csv & COEST2011-01-54.csv)

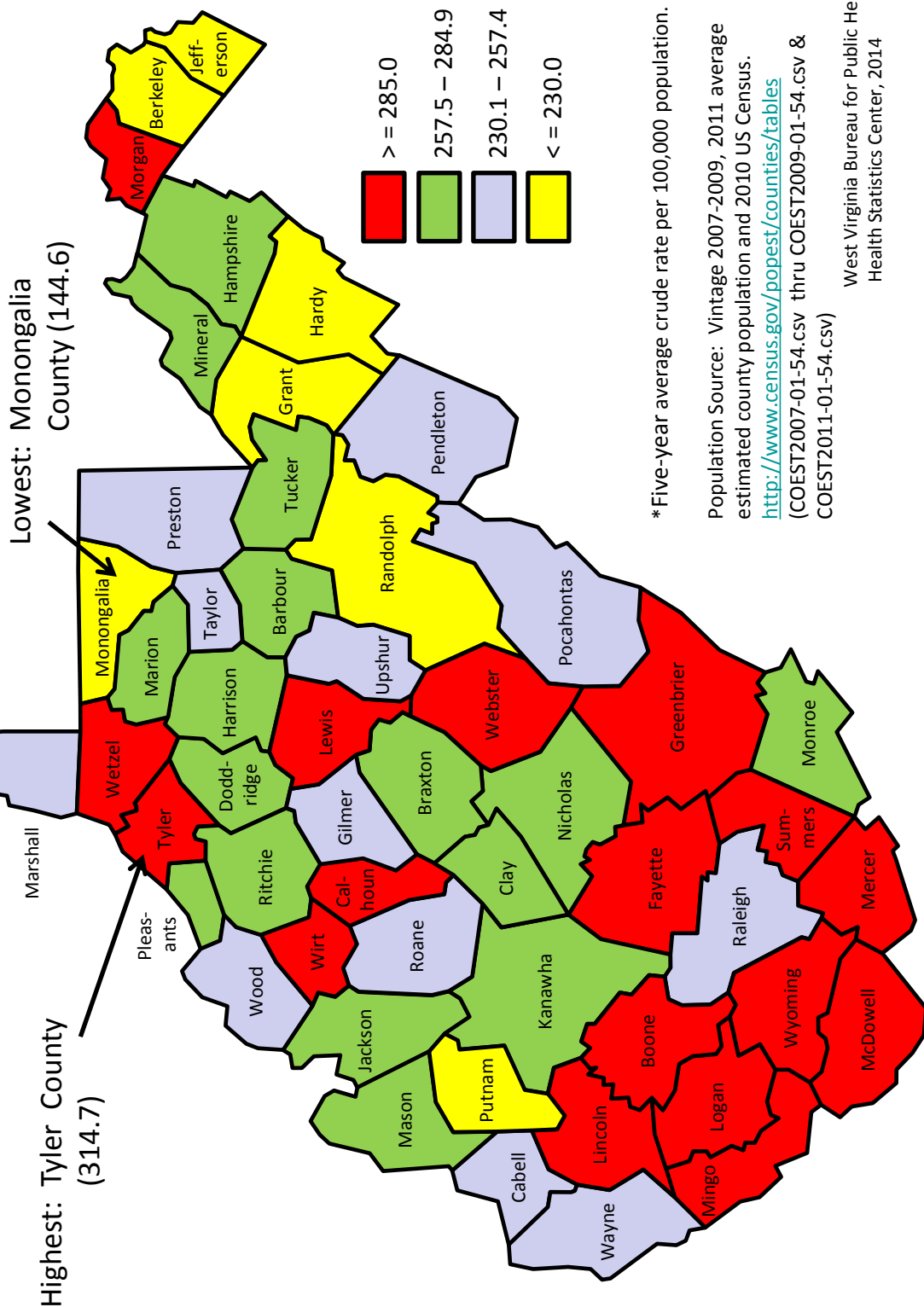
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# Malignant Neoplasm Mortality Rates\* by County

## West Virginia, 2007-2011

### Exhibit 19

West Virginia Total: 257.4



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

Population Source: Vintage 2007-2009, 2011 average estimated county population and 2010 US Census. <http://www.census.gov/popest/counties/tables> (COEST2007-01-54.csv thru COEST2009-01-54.csv & COEST2011-01-54.csv)

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2011  
Table 61

| Selected Causes of Death                                      | Number and Rate by County |       |          |       |        |       |         |       |
|---------------------------------------------------------------|---------------------------|-------|----------|-------|--------|-------|---------|-------|
|                                                               | Barbour                   |       | Berkeley |       | Boone  |       | Braxton |       |
|                                                               | Number                    | Rate  | Number   | Rate  | Number | Rate  | Number  | Rate  |
| Fetal Deaths                                                  | 1                         | 5.5   | 4        | 3.0   | 0      | 0.0   | 1       | 6.5   |
| Total Deaths, All Causes                                      | 178                       | 10.8  | 881      | 8.3   | 333    | 13.6  | 166     | 11.5  |
| --Deaths Under One Year                                       | 2                         | 10.9  | 9        | 6.6   | 2      | 6.5   | 2       | 13.0  |
| --Deaths Under 28 Days                                        | 2                         | 10.9  | 6        | 4.4   | 0      | 0.0   | 0       | 0.0   |
| Tuberculosis                                                  | 0                         | 0.0   | 1        | 0.9   | 0      | 0.0   | 0       | 0.0   |
| Septicemia                                                    | 3                         | 18.2  | 20       | 18.9  | 5      | 20.5  | 2       | 13.8  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 0       | 0.0   |
| Malignant Neoplasms                                           | 35                        | 211.9 | 247      | 233.6 | 70     | 286.4 | 36      | 248.5 |
| --of Digestive Organs                                         | 9                         | 54.5  | 57       | 53.9  | 20     | 81.8  | 7       | 48.3  |
| ----Colon                                                     | 5                         | 30.3  | 18       | 17.0  | 8      | 32.7  | 2       | 13.8  |
| ----Pancreas                                                  | 2                         | 12.1  | 12       | 11.3  | 4      | 16.4  | 2       | 13.8  |
| --of Respiratory and Intrathoracic Organs                     | 9                         | 54.5  | 84       | 79.4  | 23     | 94.1  | 10      | 69.0  |
| ----Trachea, Bronchus and Lung                                | 9                         | 54.5  | 82       | 77.5  | 21     | 85.9  | 10      | 69.0  |
| --of Breast                                                   | 1                         | 6.1   | 17       | 16.1  | 4      | 16.4  | 2       | 13.8  |
| --of Genitourinary Organs                                     | 7                         | 42.4  | 34       | 32.2  | 8      | 32.7  | 7       | 48.3  |
| ----Cervix Uteri                                              | 0                         | 0.0   | 5        | 4.7   | 1      | 4.1   | 0       | 0.0   |
| ----Ovary                                                     | 2                         | 12.1  | 4        | 3.8   | 1      | 4.1   | 2       | 13.8  |
| ----Prostate                                                  | 2                         | 12.1  | 9        | 8.5   | 3      | 12.3  | 3       | 20.7  |
| ----Bladder                                                   | 0                         | 0.0   | 9        | 8.5   | 1      | 4.1   | 1       | 6.9   |
| --All Other (Malignant Neoplasms)                             | 9                         | 54.5  | 55       | 52.0  | 15     | 61.4  | 10      | 69.0  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 0                         | 0.0   | 1        | 0.9   | 1      | 4.1   | 0       | 0.0   |
| Diabetes Mellitus                                             | 8                         | 48.4  | 26       | 24.6  | 12     | 49.1  | 6       | 41.4  |
| Dementia                                                      | 4                         | 24.2  | 25       | 23.6  | 23     | 94.1  | 3       | 20.7  |
| Alzheimer's Disease                                           | 7                         | 42.4  | 26       | 24.6  | 10     | 40.9  | 7       | 48.3  |
| Major Cardiovascular Disease                                  | 56                        | 339.0 | 237      | 224.1 | 74     | 302.7 | 51      | 352.1 |
| --Diseases of the Heart                                       | 40                        | 242.1 | 184      | 174.0 | 55     | 225.0 | 42      | 290.0 |
| ----Ischemic Heart Disease                                    | 24                        | 145.3 | 114      | 107.8 | 43     | 175.9 | 27      | 186.4 |
| --Essential Hypertension and Hypertensive Renal Disease       | 3                         | 18.2  | 8        | 7.6   | 4      | 16.4  | 1       | 6.9   |
| --Cerebrovascular Diseases (Stroke)                           | 11                        | 66.6  | 40       | 37.8  | 14     | 57.3  | 7       | 48.3  |
| --Arteriosclerosis                                            | 2                         | 12.1  | 2        | 1.9   | 1      | 4.1   | 0       | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 0                         | 0.0   | 3        | 2.8   | 0      | 0.0   | 1       | 6.9   |
| Influenza and Pneumonia                                       | 4                         | 24.2  | 22       | 20.8  | 4      | 16.4  | 4       | 27.6  |
| --Influenza                                                   | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 0       | 0.0   |
| --Pneumonia                                                   | 4                         | 24.2  | 22       | 20.8  | 4      | 16.4  | 4       | 27.6  |
| Chronic Lower Respiratory Diseases                            | 16                        | 96.9  | 58       | 54.8  | 27     | 110.5 | 11      | 75.9  |
| --Bronchitis, Emphysema and Asthma                            | 0                         | 0.0   | 9        | 8.5   | 1      | 4.1   | 1       | 6.9   |
| Lung Diseases due to External Agents                          | 3                         | 18.2  | 1        | 0.9   | 4      | 16.4  | 1       | 6.9   |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 0        | 0.0   | 2      | 8.2   | 0       | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 1                         | 6.1   | 8        | 7.6   | 2      | 8.2   | 1       | 6.9   |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 2                         | 12.1  | 7        | 6.6   | 6      | 24.5  | 3       | 20.7  |
| Congenital Malformations                                      | 1                         | 6.1   | 2        | 1.9   | 1      | 4.1   | 1       | 6.9   |
| Ill-Defined and Unknown Causes of Death                       | 5                         | 30.3  | 14       | 13.2  | 3      | 12.3  | 0       | 0.0   |
| Accidents, All Forms                                          | 7                         | 42.4  | 62       | 58.6  | 36     | 147.3 | 14      | 96.7  |
| --Motor Vehicle                                               | 3                         | 18.2  | 20       | 18.9  | 8      | 32.7  | 6       | 41.4  |
| --Falls                                                       | 3                         | 18.2  | 4        | 3.8   | 0      | 0.0   | 2       | 13.8  |
| --Drownings                                                   | 0                         | 0.0   | 1        | 0.9   | 0      | 0.0   | 1       | 6.9   |
| --Smoke, Fires and Flames                                     | 0                         | 0.0   | 1        | 0.9   | 1      | 4.1   | 0       | 0.0   |
| --Poisonings                                                  | 0                         | 0.0   | 30       | 28.4  | 24     | 98.2  | 2       | 13.8  |
| --Other Accidents                                             | 1                         | 6.1   | 6        | 5.7   | 3      | 12.3  | 3       | 20.7  |
| Intentional Self-Harm (Suicide)                               | 2                         | 12.1  | 21       | 19.9  | 6      | 24.5  | 6       | 41.4  |
| Assault (Homicide)                                            | 2                         | 12.1  | 2        | 1.9   | 1      | 4.1   | 0       | 0.0   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 0                         | 0.0   | 3        | 2.8   | 4      | 16.4  | 0       | 0.0   |
| All Other Causes (Residual)                                   | 22                        | 133.2 | 98       | 92.7  | 44     | 180.0 | 20      | 138.1 |

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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, 2011  
Table 61 (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                                                  | 1                         | 5.5   | 2      | 1.6   | 0       | 0.0   | 0      | 0.0   |
| Total Deaths, All Causes                                      | 355                       | 14.9  | 1,167  | 12.1  | 95      | 12.4  | 102    | 10.9  |
| --Deaths Under One Year                                       | 0                         | 0.0   | 6      | 4.9   | 1       | 11.1  | 2      | 17.4  |
| --Deaths Under 28 Days                                        | 0                         | 0.0   | 4      | 3.3   | 0       | 0.0   | 1      | 8.7   |
| Tuberculosis                                                  | 0                         | 0.0   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Septicemia                                                    | 9                         | 37.7  | 13     | 13.5  | 1       | 13.1  | 0      | 0.0   |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 1      | 1.0   | 0       | 0.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 89                        | 373.3 | 222    | 229.7 | 24      | 313.6 | 28     | 299.2 |
| --of Digestive Organs                                         | 19                        | 79.7  | 54     | 55.9  | 4       | 52.3  | 7      | 74.8  |
| ----Colon                                                     | 3                         | 12.6  | 22     | 22.8  | 2       | 26.1  | 5      | 53.4  |
| ----Pancreas                                                  | 8                         | 33.6  | 11     | 11.4  | 0       | 0.0   | 1      | 10.7  |
| --of Respiratory and Intrathoracic Organs                     | 31                        | 130.0 | 65     | 67.3  | 11      | 143.8 | 11     | 117.6 |
| ----Trachea, Bronchus and Lung                                | 31                        | 130.0 | 65     | 67.3  | 11      | 143.8 | 10     | 106.9 |
| --of Breast                                                   | 3                         | 12.6  | 16     | 16.6  | 0       | 0.0   | 3      | 32.1  |
| --of Genitourinary Organs                                     | 15                        | 62.9  | 50     | 51.7  | 4       | 52.3  | 3      | 32.1  |
| ----Cervix Uteri                                              | 2                         | 8.4   | 3      | 3.1   | 0       | 0.0   | 0      | 0.0   |
| ----Ovary                                                     | 1                         | 4.2   | 6      | 6.2   | 0       | 0.0   | 0      | 0.0   |
| ----Prostate                                                  | 4                         | 16.8  | 12     | 12.4  | 0       | 0.0   | 1      | 10.7  |
| ----Bladder                                                   | 3                         | 12.6  | 8      | 8.3   | 2       | 26.1  | 0      | 0.0   |
| --All Other (Malignant Neoplasms)                             | 21                        | 88.1  | 37     | 38.3  | 5       | 65.3  | 4      | 42.7  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 2                         | 8.4   | 11     | 11.4  | 2       | 26.1  | 1      | 10.7  |
| Diabetes Mellitus                                             | 10                        | 41.9  | 42     | 43.5  | 5       | 65.3  | 2      | 21.4  |
| Dementia                                                      | 8                         | 33.6  | 75     | 77.6  | 2       | 26.1  | 5      | 53.4  |
| Alzheimer's Disease                                           | 9                         | 37.7  | 42     | 43.5  | 1       | 13.1  | 5      | 53.4  |
| Major Cardiovascular Disease                                  | 106                       | 444.6 | 323    | 334.2 | 27      | 352.8 | 23     | 245.8 |
| --Diseases of the Heart                                       | 86                        | 360.7 | 240    | 248.3 | 17      | 222.2 | 19     | 203.1 |
| ----Ischemic Heart Disease                                    | 47                        | 197.1 | 151    | 156.2 | 13      | 169.9 | 14     | 149.6 |
| --Essential Hypertension and Hypertensive Renal Disease       | 1                         | 4.2   | 13     | 13.5  | 1       | 13.1  | 0      | 0.0   |
| --Cerebrovascular Diseases (Stroke)                           | 15                        | 62.9  | 63     | 65.2  | 7       | 91.5  | 3      | 32.1  |
| --Arteriosclerosis                                            | 0                         | 0.0   | 2      | 2.1   | 0       | 0.0   | 0      | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 4                         | 16.8  | 5      | 5.2   | 2       | 26.1  | 1      | 10.7  |
| Influenza and Pneumonia                                       | 8                         | 33.6  | 16     | 16.6  | 1       | 13.1  | 7      | 74.8  |
| --Influenza                                                   | 0                         | 0.0   | 1      | 1.0   | 0       | 0.0   | 0      | 0.0   |
| --Pneumonia                                                   | 8                         | 33.6  | 15     | 15.5  | 1       | 13.1  | 7      | 74.8  |
| Chronic Lower Respiratory Diseases                            | 24                        | 100.7 | 83     | 85.9  | 9       | 117.6 | 7      | 74.8  |
| --Bronchitis, Emphysema and Asthma                            | 3                         | 12.6  | 8      | 8.3   | 0       | 0.0   | 0      | 0.0   |
| Lung Diseases due to External Agents                          | 1                         | 4.2   | 5      | 5.2   | 0       | 0.0   | 1      | 10.7  |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 2                         | 8.4   | 19     | 19.7  | 0       | 0.0   | 0      | 0.0   |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 10                        | 41.9  | 34     | 35.2  | 5       | 65.3  | 0      | 0.0   |
| Congenital Malformations                                      | 2                         | 8.4   | 3      | 3.1   | 0       | 0.0   | 1      | 10.7  |
| Ill-Defined and Unknown Causes of Death                       | 9                         | 37.7  | 23     | 23.8  | 1       | 13.1  | 2      | 21.4  |
| Accidents, All Forms                                          | 21                        | 88.1  | 78     | 80.7  | 2       | 26.1  | 7      | 74.8  |
| --Motor Vehicle                                               | 4                         | 16.8  | 9      | 9.3   | 0       | 0.0   | 1      | 10.7  |
| --Falls                                                       | 0                         | 0.0   | 17     | 17.6  | 0       | 0.0   | 0      | 0.0   |
| --Drownings                                                   | 0                         | 0.0   | 3      | 3.1   | 0       | 0.0   | 0      | 0.0   |
| --Smoke, Fires and Flames                                     | 0                         | 0.0   | 2      | 2.1   | 1       | 13.1  | 1      | 10.7  |
| --Poisonings                                                  | 15                        | 62.9  | 38     | 39.3  | 1       | 13.1  | 3      | 32.1  |
| --Other Accidents                                             | 2                         | 8.4   | 9      | 9.3   | 0       | 0.0   | 2      | 21.4  |
| Intentional Self-Harm (Suicide)                               | 7                         | 29.4  | 16     | 16.6  | 2       | 26.1  | 3      | 32.1  |
| Assault (Homicide)                                            | 1                         | 4.2   | 6      | 6.2   | 1       | 13.1  | 1      | 10.7  |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 1                         | 4.2   | 4      | 4.1   | 0       | 0.0   | 0      | 0.0   |
| All Other Causes (Residual)                                   | 36                        | 151.0 | 151    | 156.2 | 12      | 156.8 | 9      | 96.2  |

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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, 2011  
Table 61 (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                                                  | 0                         | 0.0   | 3       | 5.1   | 0      | 0.0   | 0      | 0.0   |
| Total Deaths, All Causes                                      | 81                        | 9.9   | 608     | 13.3  | 73     | 8.4   | 141    | 11.9  |
| --Deaths Under One Year                                       | 0                         | 0.0   | 1       | 1.7   | 1      | 15.2  | 0      | 0.0   |
| --Deaths Under 28 Days                                        | 0                         | 0.0   | 1       | 1.7   | 1      | 15.2  | 0      | 0.0   |
| Tuberculosis                                                  | 0                         | 0.0   | 0       | 0.0   | 0      | 0.0   | 0      | 0.0   |
| Septicemia                                                    | 0                         | 0.0   | 6       | 13.1  | 0      | 0.0   | 4      | 33.6  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 1       | 2.2   | 0      | 0.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 16                        | 195.8 | 127     | 277.9 | 21     | 241.2 | 33     | 277.5 |
| --of Digestive Organs                                         | 4                         | 49.0  | 25      | 54.7  | 4      | 46.0  | 4      | 33.6  |
| ----Colon                                                     | 3                         | 36.7  | 6       | 13.1  | 1      | 11.5  | 0      | 0.0   |
| ----Pancreas                                                  | 0                         | 0.0   | 8       | 17.5  | 0      | 0.0   | 1      | 8.4   |
| --of Respiratory and Intrathoracic Organs                     | 5                         | 61.2  | 42      | 91.9  | 8      | 91.9  | 13     | 109.3 |
| ----Trachea, Bronchus and Lung                                | 4                         | 49.0  | 40      | 87.5  | 8      | 91.9  | 13     | 109.3 |
| --of Breast                                                   | 0                         | 0.0   | 10      | 21.9  | 1      | 11.5  | 0      | 0.0   |
| --of Genitourinary Organs                                     | 2                         | 24.5  | 21      | 46.0  | 3      | 34.5  | 4      | 33.6  |
| ----Cervix Uteri                                              | 0                         | 0.0   | 2       | 4.4   | 0      | 0.0   | 0      | 0.0   |
| ----Ovary                                                     | 1                         | 12.2  | 3       | 6.6   | 0      | 0.0   | 1      | 8.4   |
| ----Prostate                                                  | 0                         | 0.0   | 6       | 13.1  | 2      | 23.0  | 0      | 0.0   |
| ----Bladder                                                   | 1                         | 12.2  | 6       | 13.1  | 0      | 0.0   | 1      | 8.4   |
| --All Other (Malignant Neoplasms)                             | 5                         | 61.2  | 29      | 63.5  | 5      | 57.4  | 12     | 100.9 |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 0                         | 0.0   | 3       | 6.6   | 1      | 11.5  | 0      | 0.0   |
| Diabetes Mellitus                                             | 3                         | 36.7  | 22      | 48.1  | 2      | 23.0  | 2      | 16.8  |
| Dementia                                                      | 2                         | 24.5  | 22      | 48.1  | 1      | 11.5  | 1      | 8.4   |
| Alzheimer's Disease                                           | 2                         | 24.5  | 11      | 24.1  | 0      | 0.0   | 2      | 16.8  |
| Major Cardiovascular Disease                                  | 19                        | 232.5 | 182     | 398.3 | 20     | 229.8 | 56     | 470.9 |
| --Diseases of the Heart                                       | 15                        | 183.6 | 139     | 304.2 | 12     | 137.9 | 46     | 386.8 |
| ----Ischemic Heart Disease                                    | 12                        | 146.9 | 94      | 205.7 | 5      | 57.4  | 28     | 235.5 |
| --Essential Hypertension and Hypertensive Renal Disease       | 1                         | 12.2  | 11      | 24.1  | 3      | 34.5  | 0      | 0.0   |
| --Cerebrovascular Diseases (Stroke)                           | 3                         | 36.7  | 25      | 54.7  | 4      | 46.0  | 5      | 42.0  |
| --Arteriosclerosis                                            | 0                         | 0.0   | 0       | 0.0   | 1      | 11.5  | 3      | 25.2  |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 0                         | 0.0   | 7       | 15.3  | 0      | 0.0   | 2      | 16.8  |
| Influenza and Pneumonia                                       | 2                         | 24.5  | 11      | 24.1  | 1      | 11.5  | 1      | 8.4   |
| --Influenza                                                   | 0                         | 0.0   | 1       | 2.2   | 0      | 0.0   | 0      | 0.0   |
| --Pneumonia                                                   | 2                         | 24.5  | 10      | 21.9  | 1      | 11.5  | 1      | 8.4   |
| Chronic Lower Respiratory Diseases                            | 5                         | 61.2  | 42      | 91.9  | 7      | 80.4  | 11     | 92.5  |
| --Bronchitis, Emphysema and Asthma                            | 1                         | 12.2  | 3       | 6.6   | 1      | 11.5  | 0      | 0.0   |
| Lung Diseases due to External Agents                          | 0                         | 0.0   | 7       | 15.3  | 1      | 11.5  | 0      | 0.0   |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 4       | 8.8   | 0      | 0.0   | 0      | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 1                         | 12.2  | 10      | 21.9  | 0      | 0.0   | 3      | 25.2  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 1                         | 12.2  | 13      | 28.4  | 2      | 23.0  | 4      | 33.6  |
| Congenital Malformations                                      | 0                         | 0.0   | 3       | 6.6   | 1      | 11.5  | 0      | 0.0   |
| Ill-Defined and Unknown Causes of Death                       | 0                         | 0.0   | 9       | 19.7  | 0      | 0.0   | 0      | 0.0   |
| Accidents, All Forms                                          | 7                         | 85.7  | 41      | 89.7  | 3      | 34.5  | 8      | 67.3  |
| --Motor Vehicle                                               | 3                         | 36.7  | 7       | 15.3  | 0      | 0.0   | 3      | 25.2  |
| --Falls                                                       | 1                         | 12.2  | 9       | 19.7  | 2      | 23.0  | 4      | 33.6  |
| --Drownings                                                   | 0                         | 0.0   | 3       | 6.6   | 0      | 0.0   | 0      | 0.0   |
| --Smoke, Fires and Flames                                     | 0                         | 0.0   | 0       | 0.0   | 0      | 0.0   | 0      | 0.0   |
| --Poisonings                                                  | 2                         | 24.5  | 19      | 41.6  | 1      | 11.5  | 1      | 8.4   |
| --Other Accidents                                             | 1                         | 12.2  | 3       | 6.6   | 0      | 0.0   | 0      | 0.0   |
| Intentional Self-Harm (Suicide)                               | 2                         | 24.5  | 6       | 13.1  | 0      | 0.0   | 4      | 33.6  |
| Assault (Homicide)                                            | 0                         | 0.0   | 5       | 10.9  | 1      | 11.5  | 0      | 0.0   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 0                         | 0.0   | 3       | 6.6   | 0      | 0.0   | 0      | 0.0   |
| All Other Causes (Residual)                                   | 21                        | 257.0 | 84      | 183.8 | 12     | 137.9 | 12     | 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, 2011  
Table 61 (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                                                  | 2                         | 5.9   | 0         | 0.0   | 1       | 3.2   | 0      | 0.0   |
| Total Deaths, All Causes                                      | 530                       | 14.8  | 254       | 10.7  | 387     | 12.7  | 144    | 10.4  |
| --Deaths Under One Year                                       | 3                         | 8.8   | 2         | 9.0   | 2       | 6.5   | 2      | 14.6  |
| --Deaths Under 28 Days                                        | 2                         | 5.9   | 2         | 9.0   | 2       | 6.5   | 1      | 7.3   |
| Tuberculosis                                                  | 0                         | 0.0   | 0         | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Septicemia                                                    | 9                         | 25.1  | 5         | 21.0  | 14      | 45.8  | 5      | 35.9  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 0         | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 117                       | 326.8 | 51        | 214.2 | 79      | 258.4 | 33     | 237.2 |
| --of Digestive Organs                                         | 23                        | 64.2  | 15        | 63.0  | 24      | 78.5  | 6      | 43.1  |
| ----Colon                                                     | 5                         | 14.0  | 6         | 25.2  | 9       | 29.4  | 0      | 0.0   |
| ----Pancreas                                                  | 11                        | 30.7  | 4         | 16.8  | 7       | 22.9  | 1      | 7.2   |
| --of Respiratory and Intrathoracic Organs                     | 32                        | 89.4  | 17        | 71.4  | 26      | 85.0  | 7      | 50.3  |
| ----Trachea, Bronchus and Lung                                | 32                        | 89.4  | 17        | 71.4  | 26      | 85.0  | 6      | 43.1  |
| --of Breast                                                   | 11                        | 30.7  | 2         | 8.4   | 6       | 19.6  | 2      | 14.4  |
| --of Genitourinary Organs                                     | 10                        | 27.9  | 3         | 12.6  | 10      | 32.7  | 11     | 79.1  |
| ----Cervix Uteri                                              | 1                         | 2.8   | 0         | 0.0   | 1       | 3.3   | 0      | 0.0   |
| ----Ovary                                                     | 3                         | 8.4   | 0         | 0.0   | 1       | 3.3   | 1      | 7.2   |
| ----Prostate                                                  | 0                         | 0.0   | 2         | 8.4   | 2       | 6.5   | 3      | 21.6  |
| ----Bladder                                                   | 2                         | 5.6   | 0         | 0.0   | 2       | 6.5   | 2      | 14.4  |
| --All Other (Malignant Neoplasms)                             | 41                        | 114.5 | 14        | 58.8  | 13      | 42.5  | 7      | 50.3  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 7                         | 19.6  | 3         | 12.6  | 1       | 3.3   | 0      | 0.0   |
| Diabetes Mellitus                                             | 15                        | 41.9  | 15        | 63.0  | 7       | 22.9  | 3      | 21.6  |
| Dementia                                                      | 22                        | 61.5  | 4         | 16.8  | 16      | 52.3  | 2      | 14.4  |
| Alzheimer's Disease                                           | 24                        | 67.0  | 9         | 37.8  | 14      | 45.8  | 3      | 21.6  |
| Major Cardiovascular Disease                                  | 142                       | 396.6 | 74        | 310.8 | 122     | 399.1 | 55     | 395.3 |
| --Diseases of the Heart                                       | 104                       | 290.5 | 59        | 247.8 | 97      | 317.3 | 44     | 316.3 |
| ----Ischemic Heart Disease                                    | 57                        | 159.2 | 37        | 155.4 | 54      | 176.6 | 26     | 186.9 |
| --Essential Hypertension and Hypertensive Renal Disease       | 5                         | 14.0  | 4         | 16.8  | 4       | 13.1  | 2      | 14.4  |
| --Cerebrovascular Diseases (Stroke)                           | 29                        | 81.0  | 11        | 46.2  | 17      | 55.6  | 8      | 57.5  |
| --Arteriosclerosis                                            | 0                         | 0.0   | 0         | 0.0   | 1       | 3.3   | 1      | 7.2   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 4                         | 11.2  | 0         | 0.0   | 3       | 9.8   | 0      | 0.0   |
| Influenza and Pneumonia                                       | 11                        | 30.7  | 2         | 8.4   | 17      | 55.6  | 8      | 57.5  |
| --Influenza                                                   | 1                         | 2.8   | 0         | 0.0   | 0       | 0.0   | 1      | 7.2   |
| --Pneumonia                                                   | 10                        | 27.9  | 2         | 8.4   | 17      | 55.6  | 7      | 50.3  |
| Chronic Lower Respiratory Diseases                            | 37                        | 103.4 | 16        | 67.2  | 20      | 65.4  | 8      | 57.5  |
| --Bronchitis, Emphysema and Asthma                            | 6                         | 16.8  | 1         | 4.2   | 2       | 6.5   | 0      | 0.0   |
| Lung Diseases due to External Agents                          | 6                         | 16.8  | 2         | 8.4   | 3       | 9.8   | 1      | 7.2   |
| --Coal Worker's Pneumoconiosis                                | 1                         | 2.8   | 0         | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 6                         | 16.8  | 4         | 16.8  | 5       | 16.4  | 2      | 14.4  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 10                        | 27.9  | 8         | 33.6  | 12      | 39.3  | 2      | 14.4  |
| Congenital Malformations                                      | 1                         | 2.8   | 0         | 0.0   | 1       | 3.3   | 0      | 0.0   |
| Ill-Defined and Unknown Causes of Death                       | 7                         | 19.6  | 2         | 8.4   | 10      | 32.7  | 2      | 14.4  |
| Accidents, All Forms                                          | 37                        | 103.4 | 16        | 67.2  | 21      | 68.7  | 6      | 43.1  |
| --Motor Vehicle                                               | 8                         | 22.3  | 7         | 29.4  | 4       | 13.1  | 3      | 21.6  |
| --Falls                                                       | 7                         | 19.6  | 1         | 4.2   | 4       | 13.1  | 0      | 0.0   |
| --Drownings                                                   | 0                         | 0.0   | 0         | 0.0   | 0       | 0.0   | 1      | 7.2   |
| --Smoke, Fires and Flames                                     | 1                         | 2.8   | 1         | 4.2   | 0       | 0.0   | 0      | 0.0   |
| --Poisonings                                                  | 14                        | 39.1  | 5         | 21.0  | 8       | 26.2  | 1      | 7.2   |
| --Other Accidents                                             | 7                         | 19.6  | 2         | 8.4   | 5       | 16.4  | 1      | 7.2   |
| Intentional Self-Harm (Suicide)                               | 11                        | 30.7  | 3         | 12.6  | 3       | 9.8   | 2      | 14.4  |
| Assault (Homicide)                                            | 0                         | 0.0   | 1         | 4.2   | 0       | 0.0   | 1      | 7.2   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 0                         | 0.0   | 2         | 8.4   | 1       | 3.3   | 0      | 0.0   |
| All Other Causes (Residual)                                   | 68                        | 189.9 | 37        | 155.4 | 41      | 134.1 | 11     | 79.1  |

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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, 2011  
Table 61 (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                                                  | 1                         | 1.2   | 1       | 3.2   | 1         | 1.6   | 5       | 2.3   |
| Total Deaths, All Causes                                      | 928                       | 13.4  | 315     | 10.8  | 416       | 7.7   | 2,388   | 12.4  |
| --Deaths Under One Year                                       | 3                         | 3.7   | 4       | 12.9  | 2         | 3.2   | 15      | 7.0   |
| --Deaths Under 28 Days                                        | 2                         | 2.5   | 3       | 9.7   | 1         | 1.6   | 8       | 3.7   |
| Tuberculosis                                                  | 0                         | 0.0   | 0       | 0.0   | 0         | 0.0   | 0       | 0.0   |
| Septicemia                                                    | 10                        | 14.4  | 2       | 6.8   | 4         | 7.4   | 38      | 19.8  |
| Human Immunodeficiency Virus Infection                        | 1                         | 1.4   | 0       | 0.0   | 0         | 0.0   | 3       | 1.6   |
| Malignant Neoplasms                                           | 207                       | 298.1 | 67      | 229.1 | 100       | 184.4 | 525     | 273.0 |
| --of Digestive Organs                                         | 52                        | 74.9  | 17      | 58.1  | 24        | 44.3  | 116     | 60.3  |
| ----Colon                                                     | 14                        | 20.2  | 6       | 20.5  | 5         | 9.2   | 36      | 18.7  |
| ----Pancreas                                                  | 11                        | 15.8  | 7       | 23.9  | 5         | 9.2   | 29      | 15.1  |
| --of Respiratory and Intrathoracic Organs                     | 57                        | 82.1  | 20      | 68.4  | 26        | 47.9  | 164     | 85.3  |
| ----Trachea, Bronchus and Lung                                | 56                        | 80.6  | 19      | 65.0  | 25        | 46.1  | 160     | 83.2  |
| --of Breast                                                   | 6                         | 8.6   | 1       | 3.4   | 10        | 18.4  | 38      | 19.8  |
| --of Genitourinary Organs                                     | 30                        | 43.2  | 7       | 23.9  | 11        | 20.3  | 86      | 44.7  |
| ----Cervix Uteri                                              | 2                         | 2.9   | 1       | 3.4   | 2         | 3.7   | 5       | 2.6   |
| ----Ovary                                                     | 5                         | 7.2   | 2       | 6.8   | 1         | 1.8   | 13      | 6.8   |
| ----Prostate                                                  | 12                        | 17.3  | 1       | 3.4   | 4         | 7.4   | 27      | 14.0  |
| ----Bladder                                                   | 3                         | 4.3   | 1       | 3.4   | 2         | 3.7   | 15      | 7.8   |
| --All Other (Malignant Neoplasms)                             | 62                        | 89.3  | 22      | 75.2  | 29        | 53.5  | 121     | 62.9  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 3                         | 4.3   | 3       | 10.3  | 1         | 1.8   | 4       | 2.1   |
| Diabetes Mellitus                                             | 41                        | 59.0  | 12      | 41.0  | 15        | 27.7  | 73      | 38.0  |
| Dementia                                                      | 35                        | 50.4  | 6       | 20.5  | 22        | 40.6  | 203     | 105.6 |
| Alzheimer's Disease                                           | 40                        | 57.6  | 17      | 58.1  | 19        | 35.0  | 73      | 38.0  |
| Major Cardiovascular Disease                                  | 282                       | 406.1 | 101     | 345.4 | 116       | 213.9 | 645     | 335.4 |
| --Diseases of the Heart                                       | 215                       | 309.6 | 60      | 205.2 | 85        | 156.8 | 463     | 240.8 |
| ----Ischemic Heart Disease                                    | 138                       | 198.7 | 39      | 133.4 | 48        | 88.5  | 302     | 157.0 |
| --Essential Hypertension and Hypertensive Renal Disease       | 13                        | 18.7  | 12      | 41.0  | 3         | 5.5   | 34      | 17.7  |
| --Cerebrovascular Diseases (Stroke)                           | 45                        | 64.8  | 15      | 51.3  | 22        | 40.6  | 124     | 64.5  |
| --Arteriosclerosis                                            | 1                         | 1.4   | 12      | 41.0  | 2         | 3.7   | 7       | 3.6   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 8                         | 11.5  | 2       | 6.8   | 4         | 7.4   | 17      | 8.8   |
| Influenza and Pneumonia                                       | 19                        | 27.4  | 8       | 27.4  | 4         | 7.4   | 55      | 28.6  |
| --Influenza                                                   | 4                         | 5.8   | 0       | 0.0   | 0         | 0.0   | 5       | 2.6   |
| --Pneumonia                                                   | 15                        | 21.6  | 8       | 27.4  | 4         | 7.4   | 50      | 26.0  |
| Chronic Lower Respiratory Diseases                            | 67                        | 96.5  | 19      | 65.0  | 31        | 57.2  | 147     | 76.4  |
| --Bronchitis, Emphysema and Asthma                            | 2                         | 2.9   | 2       | 6.8   | 3         | 5.5   | 4       | 2.1   |
| Lung Diseases due to External Agents                          | 6                         | 8.6   | 1       | 3.4   | 0         | 0.0   | 14      | 7.3   |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 0       | 0.0   | 0         | 0.0   | 1       | 0.5   |
| Chronic Liver Disease and Cirrhosis                           | 14                        | 20.2  | 6       | 20.5  | 4         | 7.4   | 44      | 22.9  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 9                         | 13.0  | 7       | 23.9  | 4         | 7.4   | 53      | 27.6  |
| Congenital Malformations                                      | 3                         | 4.3   | 1       | 3.4   | 3         | 5.5   | 8       | 4.2   |
| Ill-Defined and Unknown Causes of Death                       | 7                         | 10.1  | 3       | 10.3  | 3         | 5.5   | 32      | 16.6  |
| Accidents, All Forms                                          | 56                        | 80.6  | 14      | 47.9  | 34        | 62.7  | 154     | 80.1  |
| --Motor Vehicle                                               | 17                        | 24.5  | 6       | 20.5  | 13        | 24.0  | 33      | 17.2  |
| --Falls                                                       | 7                         | 10.1  | 2       | 6.8   | 3         | 5.5   | 29      | 15.1  |
| --Drownings                                                   | 2                         | 2.9   | 0       | 0.0   | 1         | 1.8   | 1       | 0.5   |
| --Smoke, Fires and Flames                                     | 0                         | 0.0   | 0       | 0.0   | 0         | 0.0   | 0       | 0.0   |
| --Poisonings                                                  | 21                        | 30.2  | 3       | 10.3  | 10        | 18.4  | 71      | 36.9  |
| --Other Accidents                                             | 9                         | 13.0  | 3       | 10.3  | 7         | 12.9  | 20      | 10.4  |
| Intentional Self-Harm (Suicide)                               | 8                         | 11.5  | 6       | 20.5  | 7         | 12.9  | 27      | 14.0  |
| Assault (Homicide)                                            | 5                         | 7.2   | 2       | 6.8   | 2         | 3.7   | 12      | 6.2   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 3                         | 4.3   | 0       | 0.0   | 2         | 3.7   | 5       | 2.6   |
| All Other Causes (Residual)                                   | 112                       | 161.3 | 40      | 136.8 | 45        | 83.0  | 273     | 142.0 |

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

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2011  
Table 61 (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                         | 4.9   | 4       | 14.6  | 4      | 8.8   | 3        | 11.8  |
| Total Deaths, All Causes                                      | 202                       | 12.3  | 286     | 13.3  | 550    | 15.1  | 381      | 17.5  |
| --Deaths Under One Year                                       | 1                         | 4.9   | 2       | 7.3   | 4      | 8.8   | 2        | 7.9   |
| --Deaths Under 28 Days                                        | 1                         | 4.9   | 1       | 3.6   | 3      | 6.6   | 0        | 0.0   |
| Tuberculosis                                                  | 0                         | 0.0   | 0       | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Septicemia                                                    | 3                         | 18.3  | 7       | 32.5  | 11     | 30.2  | 7        | 32.2  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 0       | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Malignant Neoplasms                                           | 52                        | 316.8 | 48      | 222.7 | 121    | 331.9 | 63       | 289.9 |
| --of Digestive Organs                                         | 13                        | 79.2  | 13      | 60.3  | 23     | 63.1  | 13       | 59.8  |
| ----Colon                                                     | 5                         | 30.5  | 6       | 27.8  | 9      | 24.7  | 5        | 23.0  |
| ----Pancreas                                                  | 3                         | 18.3  | 1       | 4.6   | 6      | 16.5  | 1        | 4.6   |
| --of Respiratory and Intrathoracic Organs                     | 18                        | 109.6 | 13      | 60.3  | 52     | 142.6 | 28       | 128.9 |
| ----Trachea, Bronchus and Lung                                | 18                        | 109.6 | 13      | 60.3  | 52     | 142.6 | 27       | 124.3 |
| --of Breast                                                   | 3                         | 18.3  | 3       | 13.9  | 5      | 13.7  | 3        | 13.8  |
| --of Genitourinary Organs                                     | 7                         | 42.6  | 7       | 32.5  | 12     | 32.9  | 6        | 27.6  |
| ----Cervix Uteri                                              | 0                         | 0.0   | 0       | 0.0   | 1      | 2.7   | 1        | 4.6   |
| ----Ovary                                                     | 1                         | 6.1   | 2       | 9.3   | 2      | 5.5   | 1        | 4.6   |
| ----Prostate                                                  | 1                         | 6.1   | 2       | 9.3   | 2      | 5.5   | 1        | 4.6   |
| ----Bladder                                                   | 2                         | 12.2  | 3       | 13.9  | 2      | 5.5   | 1        | 4.6   |
| --All Other (Malignant Neoplasms)                             | 11                        | 67.0  | 12      | 55.7  | 29     | 79.5  | 13       | 59.8  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 3                         | 18.3  | 2       | 9.3   | 1      | 2.7   | 0        | 0.0   |
| Diabetes Mellitus                                             | 10                        | 60.9  | 16      | 74.2  | 25     | 68.6  | 20       | 92.0  |
| Dementia                                                      | 5                         | 30.5  | 22      | 102.1 | 15     | 41.1  | 13       | 59.8  |
| Alzheimer's Disease                                           | 5                         | 30.5  | 5       | 23.2  | 12     | 32.9  | 7        | 32.2  |
| Major Cardiovascular Disease                                  | 59                        | 359.4 | 92      | 426.9 | 159    | 436.1 | 91       | 418.8 |
| --Diseases of the Heart                                       | 45                        | 274.1 | 76      | 352.7 | 122    | 334.6 | 76       | 349.8 |
| ----Ischemic Heart Disease                                    | 34                        | 207.1 | 49      | 227.4 | 88     | 241.4 | 57       | 262.3 |
| --Essential Hypertension and Hypertensive Renal Disease       | 5                         | 30.5  | 6       | 27.8  | 6      | 16.5  | 3        | 13.8  |
| --Cerebrovascular Diseases (Stroke)                           | 8                         | 48.7  | 10      | 46.4  | 23     | 63.1  | 11       | 50.6  |
| --Arteriosclerosis                                            | 0                         | 0.0   | 0       | 0.0   | 1      | 2.7   | 0        | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 1                         | 6.1   | 0       | 0.0   | 7      | 19.2  | 1        | 4.6   |
| Influenza and Pneumonia                                       | 6                         | 36.5  | 3       | 13.9  | 14     | 38.4  | 6        | 27.6  |
| --Influenza                                                   | 0                         | 0.0   | 0       | 0.0   | 1      | 2.7   | 0        | 0.0   |
| --Pneumonia                                                   | 6                         | 36.5  | 3       | 13.9  | 13     | 35.7  | 6        | 27.6  |
| Chronic Lower Respiratory Diseases                            | 19                        | 115.7 | 21      | 97.4  | 43     | 117.9 | 33       | 151.9 |
| --Bronchitis, Emphysema and Asthma                            | 0                         | 0.0   | 2       | 9.3   | 5      | 13.7  | 4        | 18.4  |
| Lung Diseases due to External Agents                          | 0                         | 0.0   | 0       | 0.0   | 6      | 16.5  | 12       | 55.2  |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 0       | 0.0   | 0      | 0.0   | 7        | 32.2  |
| Chronic Liver Disease and Cirrhosis                           | 6                         | 36.5  | 3       | 13.9  | 2      | 5.5   | 11       | 50.6  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 3                         | 18.3  | 4       | 18.6  | 6      | 16.5  | 10       | 46.0  |
| Congenital Malformations                                      | 0                         | 0.0   | 2       | 9.3   | 3      | 8.2   | 2        | 9.2   |
| Ill-Defined and Unknown Causes of Death                       | 1                         | 6.1   | 4       | 18.6  | 1      | 2.7   | 5        | 23.0  |
| Accidents, All Forms                                          | 8                         | 48.7  | 29      | 134.6 | 50     | 137.1 | 40       | 184.1 |
| --Motor Vehicle                                               | 3                         | 18.3  | 12      | 55.7  | 10     | 27.4  | 11       | 50.6  |
| --Falls                                                       | 3                         | 18.3  | 1       | 4.6   | 6      | 16.5  | 2        | 9.2   |
| --Drownings                                                   | 0                         | 0.0   | 0       | 0.0   | 0      | 0.0   | 0        | 0.0   |
| --Smoke, Fires and Flames                                     | 0                         | 0.0   | 0       | 0.0   | 1      | 2.7   | 1        | 4.6   |
| --Poisonings                                                  | 1                         | 6.1   | 14      | 65.0  | 26     | 71.3  | 25       | 115.1 |
| --Other Accidents                                             | 1                         | 6.1   | 2       | 9.3   | 7      | 19.2  | 1        | 4.6   |
| Intentional Self-Harm (Suicide)                               | 2                         | 12.2  | 4       | 18.6  | 4      | 11.0  | 3        | 13.8  |
| Assault (Homicide)                                            | 2                         | 12.2  | 1       | 4.6   | 5      | 13.7  | 5        | 23.0  |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 0                         | 0.0   | 1       | 4.6   | 0      | 0.0   | 6        | 27.6  |
| All Other Causes (Residual)                                   | 18                        | 109.6 | 22      | 102.1 | 72     | 197.5 | 47       | 216.3 |

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2011  
Table 61 (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                                                  | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 3      | 3.9   |
| Total Deaths, All Causes                                      | 642                       | 11.3  | 407      | 12.4  | 325    | 11.9  | 946    | 15.1  |
| --Deaths Under One Year                                       | 5                         | 7.4   | 5        | 17.5  | 2      | 7.3   | 4      | 5.2   |
| --Deaths Under 28 Days                                        | 5                         | 7.4   | 2        | 7.0   | 0      | 0.0   | 2      | 2.6   |
| Tuberculosis                                                  | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 1      | 1.6   |
| Septicemia                                                    | 14                        | 24.7  | 1        | 3.0   | 6      | 22.0  | 12     | 19.2  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 143                       | 252.7 | 96       | 292.7 | 66     | 241.8 | 166    | 265.7 |
| --of Digestive Organs                                         | 35                        | 61.9  | 22       | 67.1  | 15     | 54.9  | 46     | 73.6  |
| ----Colon                                                     | 11                        | 19.4  | 4        | 12.2  | 8      | 29.3  | 14     | 22.4  |
| ----Pancreas                                                  | 7                         | 12.4  | 3        | 9.1   | 2      | 7.3   | 10     | 16.0  |
| --of Respiratory and Intrathoracic Organs                     | 45                        | 79.5  | 28       | 85.4  | 22     | 80.6  | 56     | 89.7  |
| ----Trachea, Bronchus and Lung                                | 44                        | 77.8  | 26       | 79.3  | 22     | 80.6  | 54     | 86.4  |
| --of Breast                                                   | 11                        | 19.4  | 9        | 27.4  | 6      | 22.0  | 5      | 8.0   |
| --of Genitourinary Organs                                     | 22                        | 38.9  | 17       | 51.8  | 8      | 29.3  | 18     | 28.8  |
| ----Cervix Uteri                                              | 3                         | 5.3   | 1        | 3.0   | 2      | 7.3   | 2      | 3.2   |
| ----Ovary                                                     | 1                         | 1.8   | 5        | 15.2  | 2      | 7.3   | 2      | 3.2   |
| ----Prostate                                                  | 5                         | 8.8   | 3        | 9.1   | 2      | 7.3   | 4      | 6.4   |
| ----Bladder                                                   | 1                         | 1.8   | 2        | 6.1   | 1      | 3.7   | 4      | 6.4   |
| --All Other (Malignant Neoplasms)                             | 30                        | 53.0  | 20       | 61.0  | 15     | 54.9  | 41     | 65.6  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 3                         | 5.3   | 2        | 6.1   | 1      | 3.7   | 8      | 12.8  |
| Diabetes Mellitus                                             | 29                        | 51.2  | 18       | 54.9  | 11     | 40.3  | 43     | 68.8  |
| Dementia                                                      | 33                        | 58.3  | 6        | 18.3  | 8      | 29.3  | 62     | 99.3  |
| Alzheimer's Disease                                           | 10                        | 17.7  | 15       | 45.7  | 11     | 40.3  | 14     | 22.4  |
| Major Cardiovascular Disease                                  | 198                       | 349.9 | 131      | 399.4 | 104    | 381.0 | 287    | 459.5 |
| --Diseases of the Heart                                       | 167                       | 295.1 | 103      | 314.0 | 82     | 300.4 | 219    | 350.6 |
| ----Ischemic Heart Disease                                    | 107                       | 189.1 | 86       | 262.2 | 55     | 201.5 | 149    | 238.5 |
| --Essential Hypertension and Hypertensive Renal Disease       | 4                         | 7.1   | 3        | 9.1   | 4      | 14.7  | 12     | 19.2  |
| --Cerebrovascular Diseases (Stroke)                           | 23                        | 40.6  | 22       | 67.1  | 14     | 51.3  | 49     | 78.4  |
| --Arteriosclerosis                                            | 1                         | 1.8   | 1        | 3.0   | 0      | 0.0   | 1      | 1.6   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 3                         | 5.3   | 2        | 6.1   | 4      | 14.7  | 6      | 9.6   |
| Influenza and Pneumonia                                       | 7                         | 12.4  | 16       | 48.8  | 5      | 18.3  | 15     | 24.0  |
| --Influenza                                                   | 1                         | 1.8   | 2        | 6.1   | 1      | 3.7   | 0      | 0.0   |
| --Pneumonia                                                   | 6                         | 10.6  | 14       | 42.7  | 4      | 14.7  | 15     | 24.0  |
| Chronic Lower Respiratory Diseases                            | 38                        | 67.2  | 30       | 91.5  | 25     | 91.6  | 80     | 128.1 |
| --Bronchitis, Emphysema and Asthma                            | 3                         | 5.3   | 1        | 3.0   | 2      | 7.3   | 1      | 1.6   |
| Lung Diseases due to External Agents                          | 7                         | 12.4  | 4        | 12.2  | 1      | 3.7   | 14     | 22.4  |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 3      | 4.8   |
| Chronic Liver Disease and Cirrhosis                           | 5                         | 8.8   | 3        | 9.1   | 4      | 14.7  | 14     | 22.4  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 24                        | 42.4  | 4        | 12.2  | 3      | 11.0  | 16     | 25.6  |
| Congenital Malformations                                      | 6                         | 10.6  | 2        | 6.1   | 2      | 7.3   | 2      | 3.2   |
| Ill-Defined and Unknown Causes of Death                       | 11                        | 19.4  | 3        | 9.1   | 7      | 25.6  | 5      | 8.0   |
| Accidents, All Forms                                          | 37                        | 65.4  | 25       | 76.2  | 19     | 69.6  | 77     | 123.3 |
| --Motor Vehicle                                               | 10                        | 17.7  | 7        | 21.3  | 8      | 29.3  | 12     | 19.2  |
| --Falls                                                       | 12                        | 21.2  | 5        | 15.2  | 4      | 14.7  | 10     | 16.0  |
| --Drownings                                                   | 1                         | 1.8   | 0        | 0.0   | 0      | 0.0   | 1      | 1.6   |
| --Smoke, Fires and Flames                                     | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 1      | 1.6   |
| --Poisonings                                                  | 7                         | 12.4  | 9        | 27.4  | 5      | 18.3  | 45     | 72.0  |
| --Other Accidents                                             | 7                         | 12.4  | 4        | 12.2  | 2      | 7.3   | 8      | 12.8  |
| Intentional Self-Harm (Suicide)                               | 12                        | 21.2  | 4        | 12.2  | 6      | 22.0  | 15     | 24.0  |
| Assault (Homicide)                                            | 2                         | 3.5   | 1        | 3.0   | 3      | 11.0  | 5      | 8.0   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 1                         | 1.8   | 0        | 0.0   | 3      | 11.0  | 6      | 9.6   |
| All Other Causes (Residual)                                   | 62                        | 109.6 | 46       | 140.2 | 40     | 146.5 | 104    | 166.5 |

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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, 2011  
Table 61 (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   | 0      | 0.0   | 5          | 4.8   | 1      | 7.1   |
| Total Deaths, All Causes                                      | 319                       | 11.3  | 371    | 14.0  | 649        | 6.6   | 174    | 12.9  |
| --Deaths Under One Year                                       | 5                         | 17.2  | 2      | 5.8   | 3          | 2.9   | 2      | 14.2  |
| --Deaths Under 28 Days                                        | 4                         | 13.7  | 1      | 2.9   | 3          | 2.9   | 0      | 0.0   |
| Tuberculosis                                                  | 0                         | 0.0   | 0      | 0.0   | 0          | 0.0   | 0      | 0.0   |
| Septicemia                                                    | 4                         | 14.2  | 2      | 7.5   | 7          | 7.1   | 2      | 14.8  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 0      | 0.0   | 1          | 1.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 70                        | 248.3 | 89     | 335.1 | 152        | 154.3 | 42     | 310.3 |
| --of Digestive Organs                                         | 24                        | 85.1  | 18     | 67.8  | 39         | 39.6  | 10     | 73.9  |
| ----Colon                                                     | 6                         | 21.3  | 5      | 18.8  | 8          | 8.1   | 7      | 51.7  |
| ----Pancreas                                                  | 5                         | 17.7  | 4      | 15.1  | 13         | 13.2  | 1      | 7.4   |
| --of Respiratory and Intrathoracic Organs                     | 19                        | 67.4  | 31     | 116.7 | 47         | 47.7  | 10     | 73.9  |
| ----Trachea, Bronchus and Lung                                | 19                        | 67.4  | 30     | 112.9 | 46         | 46.7  | 10     | 73.9  |
| --of Breast                                                   | 3                         | 10.6  | 4      | 15.1  | 11         | 11.2  | 3      | 22.2  |
| --of Genitourinary Organs                                     | 7                         | 24.8  | 15     | 56.5  | 19         | 19.3  | 9      | 66.5  |
| ----Cervix Uteri                                              | 1                         | 3.5   | 0      | 0.0   | 0          | 0.0   | 0      | 0.0   |
| ----Ovary                                                     | 1                         | 3.5   | 6      | 22.6  | 5          | 5.1   | 1      | 7.4   |
| ----Prostate                                                  | 1                         | 3.5   | 3      | 11.3  | 5          | 5.1   | 4      | 29.6  |
| ----Bladder                                                   | 2                         | 7.1   | 0      | 0.0   | 2          | 2.0   | 2      | 14.8  |
| --All Other (Malignant Neoplasms)                             | 17                        | 60.3  | 21     | 79.1  | 36         | 36.5  | 10     | 73.9  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 0                         | 0.0   | 0      | 0.0   | 4          | 4.1   | 0      | 0.0   |
| Diabetes Mellitus                                             | 11                        | 39.0  | 10     | 37.6  | 28         | 28.4  | 8      | 59.1  |
| Dementia                                                      | 10                        | 35.5  | 3      | 11.3  | 23         | 23.3  | 8      | 59.1  |
| Alzheimer's Disease                                           | 7                         | 24.8  | 9      | 33.9  | 21         | 21.3  | 3      | 22.2  |
| Major Cardiovascular Disease                                  | 114                       | 404.4 | 112    | 421.6 | 173        | 175.6 | 42     | 310.3 |
| --Diseases of the Heart                                       | 86                        | 305.1 | 84     | 316.2 | 132        | 134.0 | 31     | 229.1 |
| ----Ischemic Heart Disease                                    | 61                        | 216.4 | 59     | 222.1 | 79         | 80.2  | 17     | 125.6 |
| --Essential Hypertension and Hypertensive Renal Disease       | 9                         | 31.9  | 4      | 15.1  | 7          | 7.1   | 0      | 0.0   |
| --Cerebrovascular Diseases (Stroke)                           | 13                        | 46.1  | 19     | 71.5  | 30         | 30.4  | 10     | 73.9  |
| --Arteriosclerosis                                            | 0                         | 0.0   | 0      | 0.0   | 0          | 0.0   | 0      | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 6                         | 21.3  | 5      | 18.8  | 4          | 4.1   | 1      | 7.4   |
| Influenza and Pneumonia                                       | 8                         | 28.4  | 8      | 30.1  | 21         | 21.3  | 3      | 22.2  |
| --Influenza                                                   | 0                         | 0.0   | 0      | 0.0   | 0          | 0.0   | 0      | 0.0   |
| --Pneumonia                                                   | 8                         | 28.4  | 8      | 30.1  | 21         | 21.3  | 3      | 22.2  |
| Chronic Lower Respiratory Diseases                            | 15                        | 53.2  | 26     | 97.9  | 48         | 48.7  | 17     | 125.6 |
| --Bronchitis, Emphysema and Asthma                            | 4                         | 14.2  | 3      | 11.3  | 2          | 2.0   | 3      | 22.2  |
| Lung Diseases due to External Agents                          | 1                         | 3.5   | 6      | 22.6  | 8          | 8.1   | 2      | 14.8  |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 3      | 11.3  | 0          | 0.0   | 0      | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 3                         | 10.6  | 8      | 30.1  | 4          | 4.1   | 3      | 22.2  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 7                         | 24.8  | 2      | 7.5   | 11         | 11.2  | 2      | 14.8  |
| Congenital Malformations                                      | 1                         | 3.5   | 0      | 0.0   | 3          | 3.0   | 0      | 0.0   |
| Ill-Defined and Unknown Causes of Death                       | 2                         | 7.1   | 2      | 7.5   | 3          | 3.0   | 4      | 29.6  |
| Accidents, All Forms                                          | 16                        | 56.8  | 33     | 124.2 | 50         | 50.7  | 14     | 103.4 |
| --Motor Vehicle                                               | 6                         | 21.3  | 10     | 37.6  | 12         | 12.2  | 4      | 29.6  |
| --Falls                                                       | 2                         | 7.1   | 2      | 7.5   | 18         | 18.3  | 3      | 22.2  |
| --Drownings                                                   | 2                         | 7.1   | 2      | 7.5   | 0          | 0.0   | 0      | 0.0   |
| --Smoke, Fires and Flames                                     | 1                         | 3.5   | 0      | 0.0   | 2          | 2.0   | 0      | 0.0   |
| --Poisonings                                                  | 2                         | 7.1   | 14     | 52.7  | 8          | 8.1   | 4      | 29.6  |
| --Other Accidents                                             | 3                         | 10.6  | 5      | 18.8  | 10         | 10.1  | 3      | 22.2  |
| Intentional Self-Harm (Suicide)                               | 4                         | 14.2  | 5      | 18.8  | 10         | 10.1  | 1      | 7.4   |
| Assault (Homicide)                                            | 0                         | 0.0   | 6      | 22.6  | 4          | 4.1   | 1      | 7.4   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 2                         | 7.1   | 2      | 7.5   | 0          | 0.0   | 1      | 7.4   |
| All Other Causes (Residual)                                   | 44                        | 156.1 | 48     | 180.7 | 78         | 79.2  | 21     | 155.2 |

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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, 2011  
Table 61 (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   | 2        | 6.6   | 3      | 6.6   | 0         | 0.0   |
| Total Deaths, All Causes                                      | 194                       | 11.1  | 341      | 13.0  | 581    | 13.1  | 104       | 13.6  |
| --Deaths Under One Year                                       | 2                         | 12.7  | 3        | 10.0  | 5      | 11.0  | 0         | 0.0   |
| --Deaths Under 28 Days                                        | 0                         | 0.0   | 1        | 3.3   | 3      | 6.6   | 0         | 0.0   |
| Tuberculosis                                                  | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 0         | 0.0   |
| Septicemia                                                    | 5                         | 28.5  | 4        | 15.2  | 6      | 13.6  | 2         | 26.1  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 0         | 0.0   |
| Malignant Neoplasms                                           | 54                        | 308.0 | 73       | 277.9 | 122    | 275.7 | 14        | 182.5 |
| --of Digestive Organs                                         | 10                        | 57.0  | 16       | 60.9  | 28     | 63.3  | 3         | 39.1  |
| ----Colon                                                     | 6                         | 34.2  | 5        | 19.0  | 8      | 18.1  | 3         | 39.1  |
| ----Pancreas                                                  | 0                         | 0.0   | 2        | 7.6   | 4      | 9.0   | 0         | 0.0   |
| --of Respiratory and Intrathoracic Organs                     | 11                        | 62.7  | 24       | 91.4  | 34     | 76.8  | 5         | 65.2  |
| ----Trachea, Bronchus and Lung                                | 11                        | 62.7  | 24       | 91.4  | 33     | 74.6  | 5         | 65.2  |
| --of Breast                                                   | 6                         | 34.2  | 7        | 26.6  | 10     | 22.6  | 0         | 0.0   |
| --of Genitourinary Organs                                     | 9                         | 51.3  | 7        | 26.6  | 21     | 47.5  | 4         | 52.1  |
| ----Cervix Uteri                                              | 0                         | 0.0   | 0        | 0.0   | 1      | 2.3   | 0         | 0.0   |
| ----Ovary                                                     | 0                         | 0.0   | 1        | 3.8   | 8      | 18.1  | 0         | 0.0   |
| ----Prostate                                                  | 5                         | 28.5  | 2        | 7.6   | 6      | 13.6  | 1         | 13.0  |
| ----Bladder                                                   | 2                         | 11.4  | 2        | 7.6   | 1      | 2.3   | 3         | 39.1  |
| --All Other (Malignant Neoplasms)                             | 18                        | 102.7 | 19       | 72.3  | 29     | 65.5  | 2         | 26.1  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 0                         | 0.0   | 3        | 11.4  | 5      | 11.3  | 1         | 13.0  |
| Diabetes Mellitus                                             | 4                         | 22.8  | 11       | 41.9  | 17     | 38.4  | 5         | 65.2  |
| Dementia                                                      | 7                         | 39.9  | 14       | 53.3  | 34     | 76.8  | 3         | 39.1  |
| Alzheimer's Disease                                           | 12                        | 68.4  | 6        | 22.8  | 15     | 33.9  | 2         | 26.1  |
| Major Cardiovascular Disease                                  | 51                        | 290.8 | 93       | 354.0 | 198    | 447.5 | 44        | 573.4 |
| --Diseases of the Heart                                       | 41                        | 233.8 | 70       | 266.5 | 144    | 325.5 | 37        | 482.2 |
| ----Ischemic Heart Disease                                    | 26                        | 148.3 | 47       | 178.9 | 92     | 207.9 | 24        | 312.8 |
| --Essential Hypertension and Hypertensive Renal Disease       | 0                         | 0.0   | 4        | 15.2  | 9      | 20.3  | 0         | 0.0   |
| --Cerebrovascular Diseases (Stroke)                           | 7                         | 39.9  | 17       | 64.7  | 39     | 88.1  | 6         | 78.2  |
| --Arteriosclerosis                                            | 0                         | 0.0   | 0        | 0.0   | 3      | 6.8   | 0         | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 3                         | 17.1  | 2        | 7.6   | 3      | 6.8   | 1         | 13.0  |
| Influenza and Pneumonia                                       | 4                         | 22.8  | 15       | 57.1  | 8      | 18.1  | 2         | 26.1  |
| --Influenza                                                   | 0                         | 0.0   | 1        | 3.8   | 0      | 0.0   | 0         | 0.0   |
| --Pneumonia                                                   | 4                         | 22.8  | 14       | 53.3  | 8      | 18.1  | 2         | 26.1  |
| Chronic Lower Respiratory Diseases                            | 10                        | 57.0  | 26       | 99.0  | 45     | 101.7 | 7         | 91.2  |
| --Bronchitis, Emphysema and Asthma                            | 1                         | 5.7   | 2        | 7.6   | 3      | 6.8   | 0         | 0.0   |
| Lung Diseases due to External Agents                          | 0                         | 0.0   | 9        | 34.3  | 2      | 4.5   | 0         | 0.0   |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 3        | 11.4  | 0      | 0.0   | 0         | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 0                         | 0.0   | 8        | 30.5  | 6      | 13.6  | 0         | 0.0   |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 7                         | 39.9  | 7        | 26.6  | 10     | 22.6  | 1         | 13.0  |
| Congenital Malformations                                      | 0                         | 0.0   | 2        | 7.6   | 2      | 4.5   | 1         | 13.0  |
| Ill-Defined and Unknown Causes of Death                       | 3                         | 17.1  | 2        | 7.6   | 3      | 6.8   | 0         | 0.0   |
| Accidents, All Forms                                          | 5                         | 28.5  | 25       | 95.2  | 16     | 36.2  | 5         | 65.2  |
| --Motor Vehicle                                               | 1                         | 5.7   | 5        | 19.0  | 1      | 2.3   | 1         | 13.0  |
| --Falls                                                       | 1                         | 5.7   | 2        | 7.6   | 3      | 6.8   | 2         | 26.1  |
| --Drownings                                                   | 0                         | 0.0   | 0        | 0.0   | 0      | 0.0   | 0         | 0.0   |
| --Smoke, Fires and Flames                                     | 1                         | 5.7   | 1        | 3.8   | 1      | 2.3   | 0         | 0.0   |
| --Poisonings                                                  | 2                         | 11.4  | 14       | 53.3  | 7      | 15.8  | 0         | 0.0   |
| --Other Accidents                                             | 0                         | 0.0   | 3        | 11.4  | 4      | 9.0   | 2         | 26.1  |
| Intentional Self-Harm (Suicide)                               | 3                         | 17.1  | 5        | 19.0  | 5      | 11.3  | 1         | 13.0  |
| Assault (Homicide)                                            | 2                         | 11.4  | 0        | 0.0   | 2      | 4.5   | 1         | 13.0  |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 1                         | 5.7   | 2        | 7.6   | 1      | 2.3   | 0         | 0.0   |
| All Other Causes (Residual)                                   | 26                        | 148.3 | 36       | 137.0 | 84     | 189.8 | 15        | 195.5 |

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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, 2011  
Table 61 (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                                                  | 2                         | 39.2  | 3          | 34.1  | 4       | 10.6  | 3      | 4.9   |
| Total Deaths, All Causes                                      | 104                       | 13.7  | 91         | 10.4  | 336     | 10.0  | 510    | 9.1   |
| --Deaths Under One Year                                       | 0                         | 0.0   | 0          | 0.0   | 4       | 10.6  | 4      | 6.6   |
| --Deaths Under 28 Days                                        | 0                         | 0.0   | 0          | 0.0   | 4       | 10.6  | 3      | 4.9   |
| Tuberculosis                                                  | 0                         | 0.0   | 0          | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Septicemia                                                    | 2                         | 26.3  | 0          | 0.0   | 2       | 5.9   | 7      | 12.5  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 0          | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 34                        | 446.7 | 22         | 250.4 | 83      | 246.1 | 114    | 203.5 |
| --of Digestive Organs                                         | 3                         | 39.4  | 6          | 68.3  | 20      | 59.3  | 20     | 35.7  |
| ----Colon                                                     | 0                         | 0.0   | 1          | 11.4  | 6       | 17.8  | 3      | 5.4   |
| ----Pancreas                                                  | 1                         | 13.1  | 2          | 22.8  | 3       | 8.9   | 8      | 14.3  |
| --of Respiratory and Intrathoracic Organs                     | 14                        | 183.9 | 6          | 68.3  | 22      | 65.2  | 32     | 57.1  |
| ----Trachea, Bronchus and Lung                                | 14                        | 183.9 | 6          | 68.3  | 21      | 62.3  | 32     | 57.1  |
| --of Breast                                                   | 1                         | 13.1  | 1          | 11.4  | 7       | 20.8  | 10     | 17.9  |
| --of Genitourinary Organs                                     | 4                         | 52.6  | 3          | 34.1  | 9       | 26.7  | 15     | 26.8  |
| ----Cervix Uteri                                              | 0                         | 0.0   | 1          | 11.4  | 1       | 3.0   | 0      | 0.0   |
| ----Ovary                                                     | 0                         | 0.0   | 0          | 0.0   | 2       | 5.9   | 2      | 3.6   |
| ----Prostate                                                  | 3                         | 39.4  | 0          | 0.0   | 2       | 5.9   | 5      | 8.9   |
| ----Bladder                                                   | 1                         | 13.1  | 1          | 11.4  | 0       | 0.0   | 3      | 5.4   |
| --All Other (Malignant Neoplasms)                             | 12                        | 157.7 | 6          | 68.3  | 25      | 74.1  | 37     | 66.1  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 0                         | 0.0   | 0          | 0.0   | 3       | 8.9   | 3      | 5.4   |
| Diabetes Mellitus                                             | 5                         | 65.7  | 4          | 45.5  | 8       | 23.7  | 14     | 25.0  |
| Dementia                                                      | 3                         | 39.4  | 3          | 34.1  | 8       | 23.7  | 44     | 78.6  |
| Alzheimer's Disease                                           | 5                         | 65.7  | 3          | 34.1  | 11      | 32.6  | 8      | 14.3  |
| Major Cardiovascular Disease                                  | 25                        | 328.5 | 23         | 261.8 | 92      | 272.8 | 153    | 273.2 |
| --Diseases of the Heart                                       | 21                        | 275.9 | 16         | 182.1 | 74      | 219.4 | 118    | 210.7 |
| ----Ischemic Heart Disease                                    | 14                        | 183.9 | 7          | 79.7  | 47      | 139.4 | 76     | 135.7 |
| --Essential Hypertension and Hypertensive Renal Disease       | 1                         | 13.1  | 0          | 0.0   | 0       | 0.0   | 4      | 7.1   |
| --Cerebrovascular Diseases (Stroke)                           | 3                         | 39.4  | 5          | 56.9  | 14      | 41.5  | 26     | 46.4  |
| --Arteriosclerosis                                            | 0                         | 0.0   | 0          | 0.0   | 0       | 0.0   | 3      | 5.4   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 0                         | 0.0   | 2          | 22.8  | 4       | 11.9  | 2      | 3.6   |
| Influenza and Pneumonia                                       | 4                         | 52.6  | 1          | 11.4  | 4       | 11.9  | 14     | 25.0  |
| --Influenza                                                   | 0                         | 0.0   | 0          | 0.0   | 1       | 3.0   | 1      | 1.8   |
| --Pneumonia                                                   | 4                         | 52.6  | 1          | 11.4  | 3       | 8.9   | 13     | 23.2  |
| Chronic Lower Respiratory Diseases                            | 8                         | 105.1 | 8          | 91.1  | 31      | 91.9  | 27     | 48.2  |
| --Bronchitis, Emphysema and Asthma                            | 0                         | 0.0   | 0          | 0.0   | 1       | 3.0   | 1      | 1.8   |
| Lung Diseases due to External Agents                          | 3                         | 39.4  | 1          | 11.4  | 2       | 5.9   | 3      | 5.4   |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 0          | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 1                         | 13.1  | 0          | 0.0   | 4       | 11.9  | 6      | 10.7  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 4                         | 52.6  | 1          | 11.4  | 7       | 20.8  | 14     | 25.0  |
| Congenital Malformations                                      | 0                         | 0.0   | 0          | 0.0   | 0       | 0.0   | 1      | 1.8   |
| Ill-Defined and Unknown Causes of Death                       | 1                         | 13.1  | 2          | 22.8  | 2       | 5.9   | 5      | 8.9   |
| Accidents, All Forms                                          | 3                         | 39.4  | 8          | 91.1  | 19      | 56.3  | 29     | 51.8  |
| --Motor Vehicle                                               | 2                         | 26.3  | 0          | 0.0   | 6       | 17.8  | 9      | 16.1  |
| --Falls                                                       | 0                         | 0.0   | 2          | 22.8  | 7       | 20.8  | 6      | 10.7  |
| --Drownings                                                   | 0                         | 0.0   | 0          | 0.0   | 0       | 0.0   | 0      | 0.0   |
| --Smoke, Fires and Flames                                     | 0                         | 0.0   | 1          | 11.4  | 1       | 3.0   | 1      | 1.8   |
| --Poisonings                                                  | 0                         | 0.0   | 2          | 22.8  | 3       | 8.9   | 12     | 21.4  |
| --Other Accidents                                             | 1                         | 13.1  | 3          | 34.1  | 2       | 5.9   | 1      | 1.8   |
| Intentional Self-Harm (Suicide)                               | 0                         | 0.0   | 1          | 11.4  | 4       | 11.9  | 6      | 10.7  |
| Assault (Homicide)                                            | 0                         | 0.0   | 0          | 0.0   | 2       | 5.9   | 1      | 1.8   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 0                         | 0.0   | 1          | 11.4  | 2       | 5.9   | 3      | 5.4   |
| All Other Causes (Residual)                                   | 6                         | 78.8  | 13         | 148.0 | 52      | 154.2 | 58     | 103.6 |

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

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2011  
Table 61 (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                                                  | 8                         | 8.2   | 3        | 9.9   | 0       | 0.0   | 0      | 0.0   |
| Total Deaths, All Causes                                      | 986                       | 12.5  | 362      | 12.3  | 122     | 11.9  | 176    | 11.8  |
| --Deaths Under One Year                                       | 4                         | 4.1   | 2        | 6.6   | 0       | 0.0   | 1      | 6.5   |
| --Deaths Under 28 Days                                        | 2                         | 2.0   | 1        | 3.3   | 0       | 0.0   | 1      | 6.5   |
| Tuberculosis                                                  | 0                         | 0.0   | 0        | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Septicemia                                                    | 15                        | 19.0  | 4        | 13.6  | 2       | 19.4  | 2      | 13.5  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 0        | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 217                       | 274.2 | 73       | 247.8 | 22      | 213.7 | 35     | 235.6 |
| --of Digestive Organs                                         | 35                        | 44.2  | 22       | 74.7  | 5       | 48.6  | 9      | 60.6  |
| ----Colon                                                     | 14                        | 17.7  | 8        | 27.2  | 2       | 19.4  | 2      | 13.5  |
| ----Pancreas                                                  | 5                         | 6.3   | 8        | 27.2  | 0       | 0.0   | 3      | 20.2  |
| --of Respiratory and Intrathoracic Organs                     | 72                        | 91.0  | 22       | 74.7  | 10      | 97.1  | 11     | 74.0  |
| ----Trachea, Bronchus and Lung                                | 70                        | 88.5  | 22       | 74.7  | 10      | 97.1  | 11     | 74.0  |
| --of Breast                                                   | 10                        | 12.6  | 8        | 27.2  | 0       | 0.0   | 1      | 6.7   |
| --of Genitourinary Organs                                     | 40                        | 50.6  | 8        | 27.2  | 2       | 19.4  | 6      | 40.4  |
| ----Cervix Uteri                                              | 4                         | 5.1   | 1        | 3.4   | 0       | 0.0   | 2      | 13.5  |
| ----Ovary                                                     | 10                        | 12.6  | 2        | 6.8   | 0       | 0.0   | 0      | 0.0   |
| ----Prostate                                                  | 14                        | 17.7  | 3        | 10.2  | 2       | 19.4  | 0      | 0.0   |
| ----Bladder                                                   | 2                         | 2.5   | 0        | 0.0   | 0       | 0.0   | 1      | 6.7   |
| --All Other (Malignant Neoplasms)                             | 60                        | 75.8  | 13       | 44.1  | 5       | 48.6  | 8      | 53.8  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 5                         | 6.3   | 4        | 13.6  | 0       | 0.0   | 1      | 6.7   |
| Diabetes Mellitus                                             | 38                        | 48.0  | 11       | 37.3  | 2       | 19.4  | 6      | 40.4  |
| Dementia                                                      | 40                        | 50.6  | 12       | 40.7  | 7       | 68.0  | 7      | 47.1  |
| Alzheimer's Disease                                           | 10                        | 12.6  | 12       | 40.7  | 3       | 29.1  | 9      | 60.6  |
| Major Cardiovascular Disease                                  | 266                       | 336.2 | 119      | 403.9 | 41      | 398.3 | 43     | 289.4 |
| --Diseases of the Heart                                       | 207                       | 261.6 | 87       | 295.3 | 34      | 330.3 | 30     | 201.9 |
| ----Ischemic Heart Disease                                    | 130                       | 164.3 | 52       | 176.5 | 28      | 272.0 | 23     | 154.8 |
| --Essential Hypertension and Hypertensive Renal Disease       | 7                         | 8.8   | 3        | 10.2  | 0       | 0.0   | 4      | 26.9  |
| --Cerebrovascular Diseases (Stroke)                           | 46                        | 58.1  | 25       | 84.8  | 4       | 38.9  | 8      | 53.8  |
| --Arteriosclerosis                                            | 1                         | 1.3   | 3        | 10.2  | 0       | 0.0   | 0      | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 5                         | 6.3   | 1        | 3.4   | 3       | 29.1  | 1      | 6.7   |
| Influenza and Pneumonia                                       | 11                        | 13.9  | 7        | 23.8  | 7       | 68.0  | 7      | 47.1  |
| --Influenza                                                   | 1                         | 1.3   | 0        | 0.0   | 0       | 0.0   | 1      | 6.7   |
| --Pneumonia                                                   | 10                        | 12.6  | 7        | 23.8  | 7       | 68.0  | 6      | 40.4  |
| Chronic Lower Respiratory Diseases                            | 86                        | 108.7 | 30       | 101.8 | 10      | 97.1  | 19     | 127.9 |
| --Bronchitis, Emphysema and Asthma                            | 13                        | 16.4  | 1        | 3.4   | 1       | 9.7   | 1      | 6.7   |
| Lung Diseases due to External Agents                          | 21                        | 26.5  | 3        | 10.2  | 3       | 29.1  | 1      | 6.7   |
| --Coal Worker's Pneumoconiosis                                | 9                         | 11.4  | 0        | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 11                        | 13.9  | 3        | 10.2  | 0       | 0.0   | 2      | 13.5  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 22                        | 27.8  | 9        | 30.5  | 2       | 19.4  | 5      | 33.7  |
| Congenital Malformations                                      | 0                         | 0.0   | 1        | 3.4   | 0       | 0.0   | 1      | 6.7   |
| Ill-Defined and Unknown Causes of Death                       | 18                        | 22.7  | 3        | 10.2  | 0       | 0.0   | 3      | 20.2  |
| Accidents, All Forms                                          | 77                        | 97.3  | 22       | 74.7  | 3       | 29.1  | 6      | 40.4  |
| --Motor Vehicle                                               | 12                        | 15.2  | 6        | 20.4  | 2       | 19.4  | 3      | 20.2  |
| --Falls                                                       | 6                         | 7.6   | 8        | 27.2  | 0       | 0.0   | 0      | 0.0   |
| --Drownings                                                   | 1                         | 1.3   | 1        | 3.4   | 0       | 0.0   | 0      | 0.0   |
| --Smoke, Fires and Flames                                     | 0                         | 0.0   | 0        | 0.0   | 1       | 9.7   | 0      | 0.0   |
| --Poisonings                                                  | 53                        | 67.0  | 5        | 17.0  | 0       | 0.0   | 2      | 13.5  |
| --Other Accidents                                             | 5                         | 6.3   | 2        | 6.8   | 0       | 0.0   | 1      | 6.7   |
| Intentional Self-Harm (Suicide)                               | 17                        | 21.5  | 7        | 23.8  | 3       | 29.1  | 7      | 47.1  |
| Assault (Homicide)                                            | 4                         | 5.1   | 2        | 6.8   | 0       | 0.0   | 1      | 6.7   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 8                         | 10.1  | 0        | 0.0   | 1       | 9.7   | 0      | 0.0   |
| All Other Causes (Residual)                                   | 120                       | 151.7 | 40       | 135.8 | 16      | 155.4 | 21     | 141.3 |

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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, 2011  
Table 61 (Cont'd)

| Selected Causes of Death                                      | Number and Rate by County |       |        |       |        |       |        |       |
|---------------------------------------------------------------|---------------------------|-------|--------|-------|--------|-------|--------|-------|
|                                                               | Summers                   |       | Taylor |       | Tucker |       | Tyler  |       |
|                                                               | Number                    | Rate  | Number | Rate  | Number | Rate  | Number | Rate  |
| Fetal Deaths                                                  | 0                         | 0.0   | 1      | 5.6   | 0      | 0.0   | 0      | 0.0   |
| Total Deaths, All Causes                                      | 207                       | 14.9  | 203    | 12.0  | 92     | 13.1  | 152    | 16.7  |
| --Deaths Under One Year                                       | 1                         | 7.6   | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   |
| --Deaths Under 28 Days                                        | 1                         | 7.6   | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   |
| Tuberculosis                                                  | 0                         | 0.0   | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   |
| Septicemia                                                    | 5                         | 36.1  | 1      | 5.9   | 2      | 28.5  | 3      | 32.9  |
| Human Immunodeficiency Virus Infection                        | 1                         | 7.2   | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 28                        | 201.9 | 43     | 254.2 | 17     | 242.1 | 34     | 372.8 |
| --of Digestive Organs                                         | 9                         | 64.9  | 9      | 53.2  | 4      | 57.0  | 1      | 11.0  |
| ----Colon                                                     | 2                         | 14.4  | 4      | 23.6  | 0      | 0.0   | 0      | 0.0   |
| ----Pancreas                                                  | 3                         | 21.6  | 2      | 11.8  | 2      | 28.5  | 1      | 11.0  |
| --of Respiratory and Intrathoracic Organs                     | 10                        | 72.1  | 18     | 106.4 | 6      | 85.5  | 10     | 109.6 |
| ----Trachea, Bronchus and Lung                                | 10                        | 72.1  | 18     | 106.4 | 6      | 85.5  | 10     | 109.6 |
| --of Breast                                                   | 1                         | 7.2   | 6      | 35.5  | 1      | 14.2  | 3      | 32.9  |
| --of Genitourinary Organs                                     | 1                         | 7.2   | 4      | 23.6  | 1      | 14.2  | 7      | 76.7  |
| ----Cervix Uteri                                              | 0                         | 0.0   | 0      | 0.0   | 0      | 0.0   | 1      | 11.0  |
| ----Ovary                                                     | 0                         | 0.0   | 0      | 0.0   | 0      | 0.0   | 1      | 11.0  |
| ----Prostate                                                  | 0                         | 0.0   | 2      | 11.8  | 0      | 0.0   | 2      | 21.9  |
| ----Bladder                                                   | 0                         | 0.0   | 1      | 5.9   | 0      | 0.0   | 1      | 11.0  |
| --All Other (Malignant Neoplasms)                             | 7                         | 50.5  | 6      | 35.5  | 5      | 71.2  | 13     | 142.5 |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 1                         | 7.2   | 0      | 0.0   | 0      | 0.0   | 1      | 11.0  |
| Diabetes Mellitus                                             | 10                        | 72.1  | 8      | 47.3  | 1      | 14.2  | 5      | 54.8  |
| Dementia                                                      | 12                        | 86.5  | 4      | 23.6  | 3      | 42.7  | 4      | 43.9  |
| Alzheimer's Disease                                           | 2                         | 14.4  | 7      | 41.4  | 3      | 42.7  | 2      | 21.9  |
| Major Cardiovascular Disease                                  | 60                        | 432.7 | 73     | 431.5 | 34     | 484.3 | 51     | 559.1 |
| --Diseases of the Heart                                       | 49                        | 353.4 | 49     | 289.7 | 27     | 384.6 | 37     | 405.7 |
| ----Ischemic Heart Disease                                    | 35                        | 252.4 | 36     | 212.8 | 17     | 242.1 | 20     | 219.3 |
| --Essential Hypertension and Hypertensive Renal Disease       | 1                         | 7.2   | 4      | 23.6  | 0      | 0.0   | 2      | 21.9  |
| --Cerebrovascular Diseases (Stroke)                           | 8                         | 57.7  | 12     | 70.9  | 7      | 99.7  | 10     | 109.6 |
| --Arteriosclerosis                                            | 0                         | 0.0   | 8      | 47.3  | 0      | 0.0   | 0      | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 2                         | 14.4  | 0      | 0.0   | 0      | 0.0   | 2      | 21.9  |
| Influenza and Pneumonia                                       | 2                         | 14.4  | 4      | 23.6  | 2      | 28.5  | 3      | 32.9  |
| --Influenza                                                   | 0                         | 0.0   | 0      | 0.0   | 0      | 0.0   | 1      | 11.0  |
| --Pneumonia                                                   | 2                         | 14.4  | 4      | 23.6  | 2      | 28.5  | 2      | 21.9  |
| Chronic Lower Respiratory Diseases                            | 25                        | 180.3 | 16     | 94.6  | 7      | 99.7  | 11     | 120.6 |
| --Bronchitis, Emphysema and Asthma                            | 0                         | 0.0   | 2      | 11.8  | 0      | 0.0   | 0      | 0.0   |
| Lung Diseases due to External Agents                          | 2                         | 14.4  | 3      | 17.7  | 0      | 0.0   | 0      | 0.0   |
| --Coal Worker's Pneumoconiosis                                | 1                         | 7.2   | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 2                         | 14.4  | 1      | 5.9   | 2      | 28.5  | 1      | 11.0  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 3                         | 21.6  | 12     | 70.9  | 0      | 0.0   | 6      | 65.8  |
| Congenital Malformations                                      | 2                         | 14.4  | 0      | 0.0   | 1      | 14.2  | 1      | 11.0  |
| Ill-Defined and Unknown Causes of Death                       | 5                         | 36.1  | 1      | 5.9   | 0      | 0.0   | 0      | 0.0   |
| Accidents, All Forms                                          | 15                        | 108.2 | 8      | 47.3  | 4      | 57.0  | 6      | 65.8  |
| --Motor Vehicle                                               | 3                         | 21.6  | 3      | 17.7  | 1      | 14.2  | 2      | 21.9  |
| --Falls                                                       | 4                         | 28.8  | 0      | 0.0   | 0      | 0.0   | 1      | 11.0  |
| --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                                                  | 6                         | 43.3  | 2      | 11.8  | 0      | 0.0   | 1      | 11.0  |
| --Other Accidents                                             | 2                         | 14.4  | 3      | 17.7  | 3      | 42.7  | 2      | 21.9  |
| Intentional Self-Harm (Suicide)                               | 6                         | 43.3  | 4      | 23.6  | 0      | 0.0   | 2      | 21.9  |
| Assault (Homicide)                                            | 1                         | 7.2   | 0      | 0.0   | 0      | 0.0   | 0      | 0.0   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 3                         | 21.6  | 1      | 5.9   | 1      | 14.2  | 0      | 0.0   |
| All Other Causes (Residual)                                   | 22                        | 158.7 | 17     | 100.5 | 15     | 213.6 | 22     | 241.2 |

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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, 2011  
Table 61 (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                                                  | 3                         | 10.9  | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Total Deaths, All Causes                                      | 253                       | 10.4  | 458    | 10.9  | 131     | 14.3  | 227    | 13.9  |
| --Deaths Under One Year                                       | 2                         | 7.3   | 4      | 10.4  | 0       | 0.0   | 1      | 5.9   |
| --Deaths Under 28 Days                                        | 1                         | 3.6   | 3      | 7.8   | 0       | 0.0   | 1      | 5.9   |
| Tuberculosis                                                  | 0                         | 0.0   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   |
| Septicemia                                                    | 5                         | 20.6  | 5      | 11.9  | 0       | 0.0   | 1      | 6.1   |
| Human Immunodeficiency Virus Infection                        | 1                         | 4.1   | 1      | 2.4   | 0       | 0.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 66                        | 271.4 | 102    | 242.1 | 32      | 350.0 | 48     | 293.6 |
| --of Digestive Organs                                         | 7                         | 28.8  | 22     | 52.2  | 6       | 65.6  | 8      | 48.9  |
| ----Colon                                                     | 3                         | 12.3  | 9      | 21.4  | 2       | 21.9  | 2      | 12.2  |
| ----Pancreas                                                  | 2                         | 8.2   | 4      | 9.5   | 2       | 21.9  | 1      | 6.1   |
| --of Respiratory and Intrathoracic Organs                     | 28                        | 115.1 | 34     | 80.7  | 15      | 164.1 | 18     | 110.1 |
| ----Trachea, Bronchus and Lung                                | 25                        | 102.8 | 34     | 80.7  | 15      | 164.1 | 17     | 104.0 |
| --of Breast                                                   | 4                         | 16.4  | 2      | 4.7   | 1       | 10.9  | 0      | 0.0   |
| --of Genitourinary Organs                                     | 10                        | 41.1  | 13     | 30.9  | 1       | 10.9  | 5      | 30.6  |
| ----Cervix Uteri                                              | 1                         | 4.1   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   |
| ----Ovary                                                     | 1                         | 4.1   | 2      | 4.7   | 0       | 0.0   | 1      | 6.1   |
| ----Prostate                                                  | 4                         | 16.4  | 4      | 9.5   | 1       | 10.9  | 1      | 6.1   |
| ----Bladder                                                   | 1                         | 4.1   | 2      | 4.7   | 0       | 0.0   | 1      | 6.1   |
| --All Other (Malignant Neoplasms)                             | 17                        | 69.9  | 31     | 73.6  | 9       | 98.4  | 17     | 104.0 |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 2                         | 8.2   | 3      | 7.1   | 0       | 0.0   | 1      | 6.1   |
| Diabetes Mellitus                                             | 10                        | 41.1  | 21     | 49.9  | 3       | 32.8  | 13     | 79.5  |
| Dementia                                                      | 22                        | 90.5  | 27     | 64.1  | 3       | 32.8  | 5      | 30.6  |
| Alzheimer's Disease                                           | 4                         | 16.4  | 11     | 26.1  | 2       | 21.9  | 10     | 61.2  |
| Major Cardiovascular Disease                                  | 59                        | 242.6 | 114    | 270.6 | 42      | 459.4 | 58     | 354.7 |
| --Diseases of the Heart                                       | 39                        | 160.3 | 84     | 199.4 | 36      | 393.7 | 48     | 293.6 |
| ----Ischemic Heart Disease                                    | 20                        | 82.2  | 55     | 130.6 | 25      | 273.4 | 29     | 177.4 |
| --Essential Hypertension and Hypertensive Renal Disease       | 2                         | 8.2   | 1      | 2.4   | 0       | 0.0   | 1      | 6.1   |
| --Cerebrovascular Diseases (Stroke)                           | 14                        | 57.6  | 28     | 66.5  | 6       | 65.6  | 7      | 42.8  |
| --Arteriosclerosis                                            | 0                         | 0.0   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 4                         | 16.4  | 1      | 2.4   | 0       | 0.0   | 2      | 12.2  |
| Influenza and Pneumonia                                       | 2                         | 8.2   | 7      | 16.6  | 3       | 32.8  | 5      | 30.6  |
| --Influenza                                                   | 0                         | 0.0   | 0      | 0.0   | 1       | 10.9  | 0      | 0.0   |
| --Pneumonia                                                   | 2                         | 8.2   | 7      | 16.6  | 2       | 21.9  | 5      | 30.6  |
| Chronic Lower Respiratory Diseases                            | 16                        | 65.8  | 30     | 71.2  | 10      | 109.4 | 17     | 104.0 |
| --Bronchitis, Emphysema and Asthma                            | 1                         | 4.1   | 3      | 7.1   | 1       | 10.9  | 0      | 0.0   |
| Lung Diseases due to External Agents                          | 1                         | 4.1   | 4      | 9.5   | 3       | 32.8  | 0      | 0.0   |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 1      | 2.4   | 1       | 10.9  | 0      | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 2                         | 8.2   | 6      | 14.2  | 3       | 32.8  | 2      | 12.2  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 10                        | 41.1  | 10     | 23.7  | 6       | 65.6  | 4      | 24.5  |
| Congenital Malformations                                      | 3                         | 12.3  | 1      | 2.4   | 0       | 0.0   | 2      | 12.2  |
| Ill-Defined and Unknown Causes of Death                       | 3                         | 12.3  | 10     | 23.7  | 1       | 10.9  | 0      | 0.0   |
| Accidents, All Forms                                          | 12                        | 49.3  | 40     | 95.0  | 6       | 65.6  | 9      | 55.0  |
| --Motor Vehicle                                               | 4                         | 16.4  | 17     | 40.4  | 4       | 43.7  | 3      | 18.3  |
| --Falls                                                       | 2                         | 8.2   | 2      | 4.7   | 1       | 10.9  | 1      | 6.1   |
| --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                                                  | 3                         | 12.3  | 19     | 45.1  | 1       | 10.9  | 2      | 12.2  |
| --Other Accidents                                             | 3                         | 12.3  | 2      | 4.7   | 0       | 0.0   | 3      | 18.3  |
| Intentional Self-Harm (Suicide)                               | 5                         | 20.6  | 5      | 11.9  | 0       | 0.0   | 5      | 30.6  |
| Assault (Homicide)                                            | 1                         | 4.1   | 3      | 7.1   | 0       | 0.0   | 2      | 12.2  |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 1                         | 4.1   | 1      | 2.4   | 0       | 0.0   | 0      | 0.0   |
| All Other Causes (Residual)                                   | 28                        | 115.1 | 57     | 135.3 | 17      | 185.9 | 45     | 275.2 |

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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, 2011  
Table 61 (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   | 13     | 13.1  | 1       | 4.0   | 90     | 4.3   |
| Total Deaths, All Causes                                      | 62                        | 10.8  | 1,039  | 11.9  | 345     | 14.7  | 21,870 | 11.8  |
| --Deaths Under One Year                                       | 1                         | 19.2  | 9      | 9.1   | 2       | 8.0   | 141    | 6.8   |
| --Deaths Under 28 Days                                        | 0                         | 0.0   | 5      | 5.1   | 2       | 8.0   | 86     | 4.2   |
| Tuberculosis                                                  | 0                         | 0.0   | 0      | 0.0   | 0       | 0.0   | 2      | 0.1   |
| Septicemia                                                    | 1                         | 17.4  | 10     | 11.5  | 6       | 25.6  | 316    | 17.0  |
| Human Immunodeficiency Virus Infection                        | 0                         | 0.0   | 1      | 1.1   | 0       | 0.0   | 11     | 0.6   |
| Malignant Neoplasms                                           | 13                        | 225.6 | 225    | 258.3 | 73      | 311.7 | 4,779  | 257.6 |
| --of Digestive Organs                                         | 1                         | 17.4  | 51     | 58.5  | 17      | 72.6  | 1,074  | 57.9  |
| ----Colon                                                     | 1                         | 17.4  | 13     | 14.9  | 6       | 25.6  | 344    | 18.5  |
| ----Pancreas                                                  | 0                         | 0.0   | 14     | 16.1  | 1       | 4.3   | 248    | 13.4  |
| --of Respiratory and Intrathoracic Organs                     | 6                         | 104.1 | 76     | 87.2  | 23      | 98.2  | 1,537  | 82.8  |
| ----Trachea, Bronchus and Lung                                | 5                         | 86.8  | 74     | 84.9  | 23      | 98.2  | 1,502  | 81.0  |
| --of Breast                                                   | 3                         | 52.1  | 21     | 24.1  | 5       | 21.4  | 307    | 16.5  |
| --of Genitourinary Organs                                     | 2                         | 34.7  | 25     | 28.7  | 9       | 38.4  | 679    | 36.6  |
| ----Cervix Uteri                                              | 0                         | 0.0   | 1      | 1.1   | 2       | 8.5   | 51     | 2.7   |
| ----Ovary                                                     | 0                         | 0.0   | 8      | 9.2   | 1       | 4.3   | 115    | 6.2   |
| ----Prostate                                                  | 0                         | 0.0   | 6      | 6.9   | 2       | 8.5   | 191    | 10.3  |
| ----Bladder                                                   | 0                         | 0.0   | 2      | 2.3   | 2       | 8.5   | 107    | 5.8   |
| --All Other (Malignant Neoplasms)                             | 1                         | 17.4  | 52     | 59.7  | 19      | 81.1  | 1,182  | 63.7  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 0                         | 0.0   | 10     | 11.5  | 0       | 0.0   | 111    | 6.0   |
| Diabetes Mellitus                                             | 2                         | 34.7  | 36     | 41.3  | 8       | 34.2  | 792    | 42.7  |
| Dementia                                                      | 3                         | 52.1  | 41     | 47.1  | 14      | 59.8  | 1,009  | 54.4  |
| Alzheimer's Disease                                           | 0                         | 0.0   | 23     | 26.4  | 9       | 38.4  | 609    | 32.8  |
| Major Cardiovascular Disease                                  | 18                        | 312.4 | 410    | 470.6 | 81      | 345.9 | 6,421  | 346.1 |
| --Diseases of the Heart                                       | 16                        | 277.7 | 344    | 394.9 | 68      | 290.4 | 4,921  | 265.2 |
| ----Ischemic Heart Disease                                    | 8                         | 138.8 | 177    | 203.2 | 41      | 175.1 | 3,143  | 169.4 |
| --Essential Hypertension and Hypertensive Renal Disease       | 1                         | 17.4  | 10     | 11.5  | 3       | 12.8  | 243    | 13.1  |
| --Cerebrovascular Diseases (Stroke)                           | 1                         | 17.4  | 44     | 50.5  | 10      | 42.7  | 1,047  | 56.4  |
| --Arteriosclerosis                                            | 0                         | 0.0   | 6      | 6.9   | 0       | 0.0   | 63     | 3.4   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 0                         | 0.0   | 6      | 6.9   | 0       | 0.0   | 147    | 7.9   |
| Influenza and Pneumonia                                       | 2                         | 34.7  | 21     | 24.1  | 3       | 12.8  | 455    | 24.5  |
| --Influenza                                                   | 0                         | 0.0   | 0      | 0.0   | 0       | 0.0   | 25     | 1.3   |
| --Pneumonia                                                   | 2                         | 34.7  | 21     | 24.1  | 3       | 12.8  | 430    | 23.2  |
| Chronic Lower Respiratory Diseases                            | 5                         | 86.8  | 69     | 79.2  | 19      | 81.1  | 1,572  | 84.7  |
| --Bronchitis, Emphysema and Asthma                            | 0                         | 0.0   | 2      | 2.3   | 4       | 17.1  | 114    | 6.1   |
| Lung Diseases due to External Agents                          | 0                         | 0.0   | 5      | 5.7   | 2       | 8.5   | 186    | 10.0  |
| --Coal Worker's Pneumoconiosis                                | 0                         | 0.0   | 0      | 0.0   | 0       | 0.0   | 36     | 1.9   |
| Chronic Liver Disease and Cirrhosis                           | 2                         | 34.7  | 11     | 12.6  | 6       | 25.6  | 277    | 14.9  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 2                         | 34.7  | 11     | 12.6  | 7       | 29.9  | 444    | 23.9  |
| Congenital Malformations                                      | 0                         | 0.0   | 3      | 3.4   | 2       | 8.5   | 78     | 4.2   |
| Ill-Defined and Unknown Causes of Death                       | 0                         | 0.0   | 9      | 10.3  | 7       | 29.9  | 258    | 13.9  |
| Accidents, All Forms                                          | 5                         | 86.8  | 48     | 55.1  | 52      | 222.0 | 1,445  | 77.9  |
| --Motor Vehicle                                               | 2                         | 34.7  | 19     | 21.8  | 11      | 47.0  | 377    | 20.3  |
| --Falls                                                       | 1                         | 17.4  | 8      | 9.2   | 5       | 21.4  | 225    | 12.1  |
| --Drownings                                                   | 0                         | 0.0   | 2      | 2.3   | 1       | 4.3   | 24     | 1.3   |
| --Smoke, Fires and Flames                                     | 0                         | 0.0   | 3      | 3.4   | 0       | 0.0   | 24     | 1.3   |
| --Poisonings                                                  | 1                         | 17.4  | 10     | 11.5  | 29      | 123.8 | 603    | 32.5  |
| --Other Accidents                                             | 1                         | 17.4  | 6      | 6.9   | 6       | 25.6  | 192    | 10.3  |
| Intentional Self-Harm (Suicide)                               | 1                         | 17.4  | 6      | 6.9   | 4       | 17.1  | 309    | 16.7  |
| Assault (Homicide)                                            | 0                         | 0.0   | 3      | 3.4   | 4       | 17.1  | 107    | 5.8   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 0                         | 0.0   | 2      | 2.3   | 2       | 8.5   | 80     | 4.3   |
| All Other Causes (Residual)                                   | 8                         | 138.8 | 95     | 109.0 | 46      | 196.4 | 2,609  | 140.6 |

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

Marriages by Month of Occurrence  
West Virginia by County, 2011  
Table 62

| County     | Jan | Feb | Mar | April | May   | June  | July  | Aug   | Sept  | Oct   | Nov   | Dec | Total  |
|------------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-----|--------|
| Barbour    | 1   | 2   | 7   | 4     | 6     | 4     | 18    | 12    | 15    | 10    | 13    | 10  | 102    |
| Berkeley   | 28  | 25  | 46  | 55    | 67    | 74    | 61    | 43    | 55    | 67    | 52    | 35  | 608    |
| Boone      | 16  | 15  | 11  | 25    | 22    | 31    | 24    | 21    | 18    | 29    | 16    | 20  | 248    |
| Braxton    | 2   | 0   | 1   | 7     | 10    | 12    | 12    | 9     | 10    | 15    | 7     | 7   | 92     |
| Brooke     | 7   | 5   | 6   | 8     | 18    | 27    | 20    | 10    | 15    | 16    | 11    | 19  | 162    |
| Cabell     | 28  | 30  | 33  | 45    | 71    | 61    | 65    | 59    | 62    | 78    | 54    | 45  | 631    |
| Calhoun    | 2   | 3   | 0   | 4     | 6     | 3     | 9     | 5     | 9     | 5     | 8     | 0   | 54     |
| Clay       | 3   | 6   | 5   | 8     | 9     | 7     | 13    | 11    | 12    | 4     | 6     | 9   | 93     |
| Doddridge  | 1   | 4   | 4   | 4     | 4     | 7     | 5     | 4     | 8     | 2     | 5     | 1   | 49     |
| Fayette    | 14  | 22  | 12  | 24    | 38    | 37    | 46    | 52    | 31    | 41    | 27    | 21  | 365    |
| Gilmer     | 6   | 2   | 1   | 7     | 1     | 4     | 4     | 3     | 8     | 11    | 5     | 1   | 53     |
| Grant      | 1   | 2   | 2   | 5     | 6     | 12    | 5     | 7     | 14    | 7     | 4     | 5   | 70     |
| Greenbrier | 17  | 6   | 17  | 19    | 16    | 38    | 33    | 32    | 39    | 31    | 19    | 10  | 277    |
| Hampshire  | 7   | 4   | 5   | 11    | 11    | 14    | 20    | 12    | 18    | 23    | 5     | 6   | 136    |
| Hancock    | 8   | 8   | 14  | 11    | 13    | 15    | 22    | 18    | 15    | 26    | 11    | 12  | 173    |
| Hardy      | 2   | 5   | 5   | 4     | 10    | 14    | 9     | 9     | 7     | 11    | 5     | 7   | 88     |
| Harrison   | 24  | 25  | 28  | 39    | 47    | 70    | 56    | 48    | 60    | 60    | 42    | 38  | 537    |
| Jackson    | 9   | 11  | 4   | 15    | 19    | 17    | 21    | 14    | 21    | 21    | 8     | 13  | 173    |
| Jefferson  | 10  | 7   | 7   | 16    | 42    | 30    | 35    | 26    | 40    | 34    | 22    | 24  | 293    |
| Kanawha    | 60  | 79  | 90  | 100   | 159   | 158   | 159   | 122   | 138   | 172   | 115   | 101 | 1,453  |
| Lewis      | 4   | 7   | 10  | 6     | 11    | 18    | 14    | 17    | 10    | 14    | 10    | 7   | 128    |
| Lincoln    | 6   | 17  | 6   | 13    | 15    | 26    | 19    | 13    | 12    | 16    | 18    | 9   | 170    |
| Logan      | 17  | 22  | 22  | 29    | 32    | 26    | 37    | 33    | 19    | 27    | 25    | 21  | 310    |
| McDowell   | 7   | 8   | 13  | 19    | 15    | 19    | 28    | 13    | 20    | 12    | 21    | 14  | 189    |
| Marion     | 14  | 19  | 14  | 30    | 41    | 38    | 54    | 37    | 47    | 40    | 31    | 30  | 395    |
| Marshall   | 7   | 6   | 9   | 18    | 25    | 36    | 21    | 22    | 32    | 29    | 15    | 9   | 229    |
| Mason      | 10  | 10  | 5   | 11    | 25    | 22    | 16    | 20    | 25    | 23    | 19    | 11  | 197    |
| Mercer     | 24  | 30  | 42  | 46    | 55    | 63    | 71    | 62    | 63    | 48    | 39    | 35  | 578    |
| Mineral    | 5   | 13  | 7   | 13    | 23    | 19    | 24    | 14    | 19    | 11    | 11    | 13  | 172    |
| Mingo      | 14  | 13  | 20  | 23    | 21    | 28    | 21    | 21    | 21    | 33    | 31    | 19  | 265    |
| Monongalia | 21  | 26  | 26  | 38    | 60    | 89    | 100   | 81    | 60    | 67    | 58    | 44  | 670    |
| Monroe     | 2   | 3   | 4   | 8     | 10    | 8     | 3     | 3     | 7     | 8     | 5     | 5   | 66     |
| Morgan     | 3   | 4   | 4   | 11    | 10    | 14    | 12    | 16    | 9     | 13    | 7     | 5   | 108    |
| Nicholas   | 12  | 8   | 18  | 16    | 16    | 30    | 35    | 21    | 20    | 33    | 21    | 27  | 257    |
| Ohio       | 9   | 10  | 12  | 25    | 37    | 31    | 47    | 46    | 41    | 34    | 30    | 18  | 340    |
| Pendleton  | 0   | 1   | 2   | 6     | 5     | 3     | 4     | 3     | 7     | 5     | 2     | 5   | 43     |
| Pleasants  | 1   | 3   | 3   | 3     | 3     | 7     | 8     | 10    | 7     | 7     | 6     | 6   | 64     |
| Pocahontas | 1   | 4   | 1   | 3     | 3     | 7     | 8     | 5     | 10    | 3     | 5     | 11  | 61     |
| Preston    | 9   | 6   | 11  | 20    | 16    | 25    | 20    | 22    | 22    | 22    | 12    | 8   | 193    |
| Putnam     | 17  | 20  | 24  | 18    | 36    | 45    | 43    | 51    | 39    | 36    | 28    | 30  | 387    |
| Raleigh    | 38  | 27  | 36  | 50    | 55    | 59    | 82    | 65    | 56    | 70    | 45    | 38  | 621    |
| Randolph   | 11  | 13  | 15  | 16    | 18    | 32    | 26    | 23    | 30    | 19    | 11    | 14  | 228    |
| Ritchie    | 2   | 2   | 6   | 10    | 8     | 4     | 9     | 3     | 7     | 7     | 3     | 4   | 65     |
| Roane      | 4   | 2   | 4   | 8     | 5     | 13    | 19    | 13    | 11    | 15    | 4     | 5   | 103    |
| Summers    | 3   | 2   | 10  | 12    | 10    | 7     | 8     | 10    | 8     | 9     | 5     | 8   | 92     |
| Taylor     | 6   | 5   | 10  | 5     | 8     | 5     | 12    | 9     | 12    | 8     | 10    | 2   | 92     |
| Tucker     | 1   | 3   | 2   | 6     | 3     | 8     | 6     | 7     | 3     | 7     | 1     | 9   | 56     |
| Tyler      | 4   | 1   | 1   | 5     | 2     | 4     | 7     | 5     | 8     | 9     | 4     | 6   | 56     |
| Upshur     | 9   | 9   | 14  | 16    | 25    | 24    | 27    | 17    | 19    | 22    | 13    | 12  | 207    |
| Wayne      | 4   | 10  | 12  | 17    | 13    | 20    | 30    | 15    | 24    | 30    | 26    | 10  | 211    |
| Webster    | 3   | 1   | 7   | 7     | 6     | 8     | 12    | 16    | 9     | 12    | 6     | 6   | 93     |
| Wetzel     | 4   | 8   | 7   | 7     | 8     | 12    | 11    | 10    | 16    | 9     | 8     | 4   | 104    |
| Wirt       | 2   | 1   | 1   | 2     | 5     | 3     | 4     | 3     | 4     | 7     | 3     | 0   | 35     |
| Wood       | 30  | 39  | 38  | 47    | 71    | 76    | 72    | 56    | 62    | 58    | 41    | 49  | 639    |
| Wyoming    | 10  | 9   | 14  | 20    | 18    | 20    | 23    | 24    | 22    | 9     | 13    | 8   | 190    |
| Total      | 560 | 623 | 728 | 995   | 1,289 | 1,484 | 1,570 | 1,303 | 1,376 | 1,435 | 1,022 | 886 | 13,271 |

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Number of Marriages by County  
West Virginia, 2007-2011  
Table 63

| County     | 2007  | 2008  | 2009  | 2010  | 2011  | County     | 2007   | 2008   | 2009   | 2010   | 2011   |
|------------|-------|-------|-------|-------|-------|------------|--------|--------|--------|--------|--------|
| Barbour    | 126   | 116   | 76    | 106   | 102   | Monongalia | 569    | 590    | 619    | 630    | 670    |
| Berkeley   | 544   | 564   | 481   | 529   | 608   | Monroe     | 74     | 95     | 70     | 71     | 66     |
| Boone      | 209   | 208   | 201   | 170   | 248   | Morgan     | 126    | 106    | 104    | 133    | 108    |
| Braxton    | 118   | 112   | 97    | 109   | 92    | Nicholas   | 213    | 231    | 227    | 237    | 257    |
| Brooke     | 162   | 150   | 157   | 148   | 162   | Ohio       | 414    | 344    | 332    | 348    | 340    |
| Cabell     | 663   | 654   | 622   | 620   | 631   | Pendleton  | 53     | 57     | 42     | 48     | 43     |
| Calhoun    | 60    | 71    | 72    | 55    | 54    | Pleasants  | 65     | 49     | 47     | 49     | 64     |
| Clay       | 84    | 98    | 97    | 81    | 93    | Pocahontas | 56     | 75     | 70     | 71     | 61     |
| Doddridge  | 41    | 60    | 45    | 36    | 49    | Preston    | 211    | 199    | 190    | 201    | 193    |
| Fayette    | 386   | 395   | 333   | 361   | 365   | Putnam     | 384    | 337    | 353    | 357    | 387    |
| Gilmer     | 63    | 71    | 67    | 54    | 53    | Raleigh    | 661    | 598    | 554    | 635    | 621    |
| Grant      | 84    | 89    | 77    | 97    | 70    | Randolph   | 159    | 218    | 208    | 213    | 228    |
| Greenbrier | 241   | 264   | 236   | 243   | 277   | Ritchie    | 71     | 65     | 53     | 59     | 65     |
| Hampshire  | 120   | 98    | 101   | 95    | 136   | Roane      | 139    | 134    | 102    | 97     | 103    |
| Hancock    | 202   | 203   | 179   | 172   | 173   | Summers    | 65     | 75     | 74     | 78     | 92     |
| Hardy      | 75    | 77    | 85    | 104   | 88    | Taylor     | 92     | 116    | 92     | 93     | 92     |
| Harrison   | 539   | 533   | 484   | 489   | 537   | Tucker     | 60     | 72     | 60     | 70     | 56     |
| Jackson    | 226   | 219   | 191   | 221   | 173   | Tyler      | 56     | 53     | 58     | 83     | 56     |
| Jefferson  | 316   | 259   | 252   | 283   | 293   | Upshur     | 228    | 200    | 180    | 206    | 207    |
| Kanawha    | 1,360 | 1,439 | 1,352 | 1,373 | 1,453 | Wayne      | 209    | 216    | 223    | 199    | 211    |
| Lewis      | 168   | 146   | 114   | 141   | 128   | Webster    | 74     | 68     | 78     | 77     | 93     |
| Lincoln    | 163   | 150   | 163   | 159   | 170   | Wetzel     | 118    | 118    | 114    | 119    | 104    |
| Logan      | 268   | 263   | 330   | 272   | 310   | Wirt       | 42     | 35     | 39     | 42     | 35     |
| McDowell   | 179   | 174   | 168   | 193   | 189   | Wood       | 731    | 668    | 628    | 576    | 639    |
| Marion     | 455   | 383   | 435   | 429   | 395   | Wyoming    | 213    | 220    | 190    | 162    | 190    |
| Marshall   | 243   | 225   | 205   | 220   | 229   | Total      | 13,308 | 13,025 | 12,468 | 12,662 | 13,271 |
| Mason      | 205   | 192   | 178   | 199   | 197   |            |        |        |        |        |        |
| Mercer     | 530   | 461   | 525   | 445   | 578   |            |        |        |        |        |        |
| Mineral    | 154   | 171   | 168   | 171   | 172   |            |        |        |        |        |        |
| Mingo      | 241   | 241   | 270   | 233   | 265   |            |        |        |        |        |        |

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Divorces and Annulments by County of Occurrence  
West Virginia, 2011  
Table 64

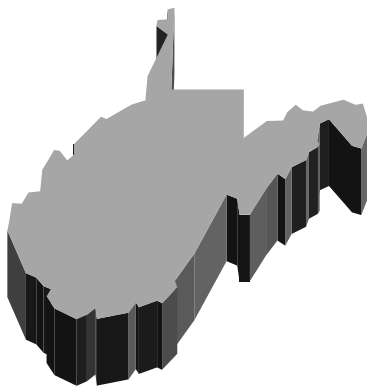
| County     | Number of Divorces | Number of Annulments | Total | County     | Number of Divorces | Number of Annulments | Total |
|------------|--------------------|----------------------|-------|------------|--------------------|----------------------|-------|
| Barbour    | 88                 | 0                    | 88    | Monongalia | 277                | 0                    | 277   |
| Berkeley   | 445                | 0                    | 445   | Monroe     | 45                 | 0                    | 45    |
| Boone      | 154                | 2                    | 156   | Morgan     | 81                 | 0                    | 81    |
| Braxton    | 71                 | 0                    | 71    | Nicholas   | 210                | 1                    | 211   |
| Brooke     | 104                | 0                    | 104   | Ohio       | 138                | 1                    | 139   |
| Cabell     | 472                | 2                    | 474   | Pendleton  | 37                 | 0                    | 37    |
| Calhoun    | 46                 | 0                    | 46    | Pleasants  | 40                 | 0                    | 40    |
| Clay       | 71                 | 0                    | 71    | Pocahontas | 44                 | 0                    | 44    |
| Doddridge  | 34                 | 0                    | 34    | Preston    | 127                | 0                    | 127   |
| Fayette    | 275                | 0                    | 275   | Putnam     | 308                | 0                    | 308   |
| Gilmer     | 29                 | 0                    | 29    | Raleigh    | 475                | 2                    | 477   |
| Grant      | 55                 | 0                    | 55    | Randolph   | 98                 | 0                    | 98    |
| Greenbrier | 226                | 0                    | 226   | Ritchie    | 48                 | 0                    | 48    |
| Hampshire  | 113                | 0                    | 113   | Roane      | 105                | 0                    | 105   |
| Hancock    | 158                | 2                    | 160   | Summers    | 62                 | 0                    | 62    |
| Hardy      | 68                 | 1                    | 69    | Taylor     | 107                | 0                    | 107   |
| Harrison   | 295                | 0                    | 295   | Tucker     | 34                 | 0                    | 34    |
| Jackson    | 144                | 1                    | 145   | Tyler      | 52                 | 0                    | 52    |
| Jefferson  | 227                | 0                    | 227   | Upshur     | 150                | 0                    | 150   |
| Kanawha    | 1,060              | 1                    | 1,061 | Wayne      | 285                | 1                    | 286   |
| Lewis      | 105                | 0                    | 105   | Webster    | 56                 | 0                    | 56    |
| Lincoln    | 112                | 0                    | 112   | Wetzel     | 87                 | 0                    | 87    |
| Logan      | 228                | 0                    | 228   | Wirt       | 34                 | 0                    | 34    |
| McDowell   | 149                | 0                    | 149   | Wood       | 522                | 1                    | 523   |
| Marion     | 249                | 0                    | 249   | Wyoming    | 144                | 0                    | 144   |
| Marshall   | 141                | 0                    | 141   |            |                    |                      |       |
| Mason      | 164                | 0                    | 164   |            |                    |                      |       |
| Mercer     | 410                | 0                    | 410   | Total      | 9,605              | 15                   | 9,620 |
| Mineral    | 126                | 0                    | 126   |            |                    |                      |       |
| Mingo      | 220                | 0                    | 220   |            |                    |                      |       |

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Divorces and Annulments by County of Occurrence  
West Virginia, 2007-2011  
Table 65

| County     | 2007  | 2008  | 2009  | 2010  | 2011  | County     | 2007  | 2008  | 2009  | 2010  | 2011  |
|------------|-------|-------|-------|-------|-------|------------|-------|-------|-------|-------|-------|
| Barbour    | 63    | 106   | 63    | 73    | 88    | Monongalia | 213   | 251   | 257   | 263   | 277   |
| Berkeley   | 348   | 354   | 386   | 391   | 445   | Monroe     | 70    | 80    | 95    | 80    | 45    |
| Boone      | 146   | 166   | 185   | 165   | 156   | Morgan     | 79    | 60    | 82    | 69    | 81    |
| Braxton    | 55    | 73    | 63    | 63    | 71    | Nicholas   | 157   | 152   | 205   | 223   | 211   |
| Brooke     | 97    | 100   | 90    | 107   | 104   | Ohio       | 125   | 144   | 116   | 149   | 139   |
| Cabell     | 412   | 440   | 483   | 511   | 474   | Pendleton  | 31    | 24    | 22    | 37    | 37    |
| Calhoun    | 34    | 47    | 36    | 48    | 46    | Pleasants  | 49    | 34    | 38    | 43    | 40    |
| Clay       | 64    | 55    | 94    | 73    | 71    | Pocahontas | 36    | 56    | 39    | 42    | 44    |
| Doddridge  | 51    | 36    | 32    | 29    | 34    | Preston    | 117   | 125   | 146   | 139   | 127   |
| Fayette    | 304   | 278   | 283   | 248   | 275   | Putnam     | 303   | 355   | 325   | 292   | 308   |
| Gilmer     | 26    | 31    | 37    | 30    | 29    | Raleigh    | 417   | 401   | 439   | 463   | 477   |
| Grant      | 61    | 49    | 67    | 65    | 55    | Randolph   | 128   | 48    | 109   | 92    | 98    |
| Greenbrier | 156   | 180   | 217   | 190   | 226   | Ritchie    | 50    | 64    | 50    | 39    | 48    |
| Hampshire  | 93    | 117   | 108   | 121   | 113   | Roane      | 88    | 88    | 80    | 81    | 105   |
| Hancock    | 132   | 129   | 138   | 127   | 160   | Summers    | 78    | 107   | 71    | 72    | 62    |
| Hardy      | 84    | 73    | 60    | 76    | 69    | Taylor     | 83    | 91    | 63    | 92    | 107   |
| Harrison   | 341   | 304   | 364   | 305   | 295   | Tucker     | 27    | 27    | 37    | 32    | 34    |
| Jackson    | 150   | 105   | 134   | 165   | 145   | Tyler      | 54    | 35    | 47    | 54    | 52    |
| Jefferson  | 221   | 241   | 241   | 221   | 227   | Upshur     | 127   | 128   | 113   | 119   | 150   |
| Kanawha    | 1,122 | 1,026 | 1,129 | 1,074 | 1,061 | Wayne      | 288   | 241   | 243   | 255   | 286   |
| Lewis      | 108   | 102   | 103   | 84    | 105   | Webster    | 59    | 45    | 105   | 60    | 56    |
| Lincoln    | 116   | 87    | 164   | 140   | 112   | Wetzel     | 109   | 82    | 68    | 80    | 87    |
| Logan      | 210   | 224   | 274   | 206   | 228   | Wirt       | 30    | 29    | 27    | 34    | 34    |
| McDowell   | 189   | 147   | 86    | 143   | 149   | Wood       | 462   | 321   | 398   | 486   | 523   |
| Marion     | 246   | 273   | 176   | 242   | 249   | Wyoming    | 154   | 158   | 184   | 146   | 144   |
| Marshall   | 203   | 134   | 127   | 142   | 141   | Total      | 9,305 | 8,903 | 9,420 | 9,431 | 9,620 |
| Mason      | 167   | 119   | 148   | 208   | 164   |            |       |       |       |       |       |
| Mercer     | 416   | 425   | 439   | 383   | 410   |            |       |       |       |       |       |
| Mineral    | 143   | 117   | 128   | 140   | 126   |            |       |       |       |       |       |
| Mingo      | 213   | 219   | 206   | 219   | 220   |            |       |       |       |       |       |

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West Virginia Vital Statistics  
**City-Level Data**



Number and Rate of Births by City of Residence  
West Virginia, 2011  
Table 66

| 30 Most Populated Cities | 2011<br>Population<br>Estimate* | Resident<br>Births | Rate per<br>1,000<br>Population |
|--------------------------|---------------------------------|--------------------|---------------------------------|
| Beckley                  | 17,675                          | 360                | 20.4                            |
| Bluefield                | 10,482                          | 166                | 15.8                            |
| Bridgeport               | 8,200                           | 82                 | 10.0                            |
| Buckhannon               | 5,649                           | 86                 | 15.2                            |
| Charles Town             | 5,337                           | 85                 | 15.9                            |
| Charleston               | 51,177                          | 772                | 15.1                            |
| Clarksburg               | 16,649                          | 234                | 14.1                            |
| Dunbar                   | 7,876                           | 96                 | 12.2                            |
| Elkins                   | 7,108                           | 91                 | 12.8                            |
| Fairmont                 | 18,764                          | 301                | 16.0                            |
| Grafton                  | 5,171                           | 61                 | 11.8                            |
| Huntington               | 49,253                          | 712                | 14.5                            |
| Hurricane                | 6,333                           | 111                | 17.5                            |
| Keyser                   | 5,421                           | 78                 | 14.4                            |
| Martinsburg              | 17,487                          | 241                | 13.8                            |
| Morgantown               | 30,293                          | 450                | 14.9                            |
| Moundsville              | 9,234                           | 92                 | 10.0                            |
| New Martinsville         | 5,292                           | 57                 | 10.8                            |
| Nitro                    | 7,163                           | 104                | 14.5                            |
| Oak Hill                 | 7,672                           | 131                | 17.1                            |
| Parkersburg              | 31,557                          | 518                | 16.4                            |
| Point Pleasant           | 4,343                           | 73                 | 16.8                            |
| Princeton                | 6,453                           | 105                | 16.3                            |
| Ranson                   | 4,512                           | 85                 | 18.8                            |
| Saint Albans             | 11,001                          | 170                | 15.5                            |
| South Charleston         | 13,396                          | 169                | 12.6                            |
| Vienna                   | 10,770                          | 107                | 9.9                             |
| Weirton                  | 19,651                          | 195                | 9.9                             |
| Weston                   | 4,107                           | 69                 | 16.8                            |
| Wheeling                 | 28,355                          | 330                | 11.6                            |

\*Census Population Estimates for Incorporated Places in WV

Source: Population Division, U.S. Census Bureau - Release Date: April 1, 2011

West Virginia Bureau for Public Health  
Health Statistics Center, 2014

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2011  
Table 67

| Selected Causes of Death                                      | Number and Rate by City |       |           |       |            |       |            |       |              |       |
|---------------------------------------------------------------|-------------------------|-------|-----------|-------|------------|-------|------------|-------|--------------|-------|
|                                                               | Beckley                 |       | Bluefield |       | Bridgeport |       | Buckhannon |       | Charles Town |       |
|                                                               | Number                  | Rate  | Number    | Rate  | Number     | Rate  | Number     | Rate  | Number       | Rate  |
| Fetal Deaths                                                  | 4                       | 11.1  | 0         | 0.0   | 0          | 0.0   | 0          | 0.0   | 0            | 0.0   |
| Total Deaths, All Causes                                      | 361                     | 20.4  | 194       | 18.5  | 91         | 11.1  | 89         | 15.8  | 53           | 9.9   |
| --Deaths Under One Year                                       | 2                       | 5.6   | 1         | 6.0   | 0          | 0.0   | 1          | 11.6  | 0            | 0.0   |
| --Deaths Under 28 Days                                        | 2                       | 5.6   | 0         | 0.0   | 0          | 0.0   | 1          | 11.6  | 0            | 0.0   |
| Tuberculosis                                                  | 0                       | 0.0   | 0         | 0.0   | 0          | 0.0   | 0          | 0.0   | 0            | 0.0   |
| Septicemia                                                    | 4                       | 22.6  | 2         | 19.1  | 1          | 12.2  | 3          | 53.1  | 1            | 18.7  |
| Human Immunodeficiency Virus Infection                        | 0                       | 0.0   | 0         | 0.0   | 0          | 0.0   | 1          | 17.7  | 0            | 0.0   |
| Malignant Neoplasms                                           | 78                      | 441.3 | 37        | 353.0 | 18         | 219.5 | 17         | 300.9 | 4            | 74.9  |
| --of Digestive Organs                                         | 15                      | 84.9  | 7         | 66.8  | 5          | 61.0  | 2          | 35.4  | 1            | 18.7  |
| ----Colon                                                     | 8                       | 45.3  | 4         | 38.2  | 1          | 12.2  | 1          | 17.7  | 0            | 0.0   |
| ----Pancreas                                                  | 3                       | 17.0  | 0         | 0.0   | 1          | 12.2  | 0          | 0.0   | 0            | 0.0   |
| --of Respiratory and Intrathoracic Organs                     | 20                      | 113.2 | 14        | 133.6 | 2          | 24.4  | 5          | 88.5  | 2            | 37.5  |
| ----Trachea, Bronchus and Lung                                | 19                      | 107.5 | 13        | 124.0 | 2          | 24.4  | 4          | 70.8  | 2            | 37.5  |
| --of Breast                                                   | 4                       | 22.6  | 1         | 9.5   | 0          | 0.0   | 1          | 17.7  | 0            | 0.0   |
| --of Genitourinary Organs                                     | 13                      | 73.6  | 5         | 47.7  | 4          | 48.8  | 4          | 70.8  | 0            | 0.0   |
| ----Cervix Uteri                                              | 1                       | 5.7   | 1         | 9.5   | 0          | 0.0   | 0          | 0.0   | 0            | 0.0   |
| ----Ovary                                                     | 5                       | 28.3  | 0         | 0.0   | 1          | 12.2  | 1          | 17.7  | 0            | 0.0   |
| ----Prostate                                                  | 2                       | 11.3  | 1         | 9.5   | 1          | 12.2  | 3          | 53.1  | 0            | 0.0   |
| ----Bladder                                                   | 1                       | 5.7   | 2         | 19.1  | 1          | 12.2  | 0          | 0.0   | 0            | 0.0   |
| --All Other (Malignant Neoplasms)                             | 26                      | 147.1 | 10        | 95.4  | 7          | 85.4  | 5          | 88.5  | 1            | 18.7  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 1                       | 5.7   | 3         | 28.6  | 0          | 0.0   | 1          | 17.7  | 0            | 0.0   |
| Diabetes Mellitus                                             | 15                      | 84.9  | 8         | 76.3  | 4          | 48.8  | 2          | 35.4  | 1            | 18.7  |
| Dementia                                                      | 17                      | 96.2  | 8         | 76.3  | 5          | 61.0  | 11         | 194.7 | 4            | 74.9  |
| Alzheimer's Disease                                           | 4                       | 22.6  | 3         | 28.6  | 5          | 61.0  | 2          | 35.4  | 3            | 56.2  |
| Major Cardiovascular Disease                                  | 93                      | 526.2 | 72        | 686.9 | 32         | 390.2 | 21         | 371.7 | 24           | 449.7 |
| --Diseases of the Heart                                       | 73                      | 413.0 | 52        | 496.1 | 23         | 280.5 | 12         | 212.4 | 19           | 356.0 |
| ----Ischemic Heart Disease                                    | 43                      | 243.3 | 34        | 324.4 | 14         | 170.7 | 5          | 88.5  | 13           | 243.6 |
| ----Essential Hypertension and Hypertensive Renal Disease     | 3                       | 17.0  | 4         | 38.2  | 3          | 36.6  | 1          | 17.7  | 1            | 18.7  |
| ----Cerebrovascular Diseases (Stroke)                         | 12                      | 67.9  | 15        | 143.1 | 6          | 73.2  | 7          | 123.9 | 4            | 74.9  |
| --Arteriosclerosis                                            | 1                       | 5.7   | 0         | 0.0   | 0          | 0.0   | 0          | 0.0   | 0            | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 4                       | 22.6  | 1         | 9.5   | 0          | 0.0   | 1          | 17.7  | 0            | 0.0   |
| Influenza and Pneumonia                                       | 6                       | 33.9  | 3         | 28.6  | 2          | 24.4  | 1          | 17.7  | 0            | 0.0   |
| --Influenza                                                   | 1                       | 5.7   | 0         | 0.0   | 1          | 12.2  | 0          | 0.0   | 0            | 0.0   |
| --Pneumonia                                                   | 5                       | 28.3  | 3         | 28.6  | 1          | 12.2  | 1          | 17.7  | 0            | 0.0   |
| Chronic Lower Respiratory Diseases                            | 31                      | 175.4 | 9         | 85.9  | 7          | 85.4  | 9          | 159.3 | 5            | 93.7  |
| --Bronchitis, Emphysema and Asthma                            | 3                       | 17.0  | 0         | 0.0   | 0          | 0.0   | 0          | 0.0   | 1            | 18.7  |
| Lung Diseases due to External Agents                          | 7                       | 39.6  | 2         | 19.1  | 1          | 12.2  | 1          | 17.7  | 0            | 0.0   |
| --Coal Worker's Pneumoconiosis                                | 2                       | 11.3  | 0         | 0.0   | 0          | 0.0   | 0          | 0.0   | 0            | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 6                       | 33.9  | 6         | 57.2  | 1          | 12.2  | 1          | 17.7  | 0            | 0.0   |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 10                      | 56.6  | 2         | 19.1  | 1          | 12.2  | 4          | 70.8  | 0            | 0.0   |
| Congenital Malformations                                      | 0                       | 0.0   | 0         | 0.0   | 0          | 0.0   | 1          | 17.7  | 0            | 0.0   |
| Ill-Defined and Unknown Causes of Death                       | 8                       | 45.3  | 1         | 9.5   | 0          | 0.0   | 0          | 0.0   | 1            | 18.7  |
| Accidents, All Forms                                          | 23                      | 130.1 | 15        | 143.1 | 6          | 73.2  | 4          | 70.8  | 2            | 37.5  |
| --Motor Vehicle                                               | 4                       | 22.6  | 3         | 28.6  | 1          | 12.2  | 2          | 35.4  | 0            | 0.0   |
| --Falls                                                       | 3                       | 17.0  | 0         | 0.0   | 0          | 0.0   | 1          | 17.7  | 0            | 0.0   |
| --Drownings                                                   | 0                       | 0.0   | 1         | 9.5   | 0          | 0.0   | 0          | 0.0   | 0            | 0.0   |
| --Smoke, Fires and Flames                                     | 0                       | 0.0   | 0         | 0.0   | 0          | 0.0   | 0          | 0.0   | 0            | 0.0   |
| --Poisonings                                                  | 15                      | 84.9  | 9         | 85.9  | 4          | 48.8  | 0          | 0.0   | 0            | 0.0   |
| --Other Accidents                                             | 1                       | 5.7   | 2         | 19.1  | 1          | 12.2  | 1          | 17.7  | 2            | 37.5  |
| Intentional Self-Harm (Suicide)                               | 7                       | 39.6  | 1         | 9.5   | 0          | 0.0   | 0          | 0.0   | 2            | 37.5  |
| Assault (Homicide)                                            | 1                       | 5.7   | 3         | 28.6  | 0          | 0.0   | 0          | 0.0   | 0            | 0.0   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 4                       | 22.6  | 1         | 9.5   | 0          | 0.0   | 0          | 0.0   | 0            | 0.0   |
| All Other Causes (Residual)                                   | 46                      | 260.3 | 18        | 171.7 | 8          | 97.6  | 10         | 177.0 | 6            | 112.4 |

\*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, 2011  
Table 67 (Cont'd)

| Selected Causes of Death                                      | Number and Rate by City |       |            |       |        |       |        |       |          |       |        |       |
|---------------------------------------------------------------|-------------------------|-------|------------|-------|--------|-------|--------|-------|----------|-------|--------|-------|
|                                                               | Charleston              |       | Clarksburg |       | Dunbar |       | Elkins |       | Fairmont |       |        |       |
|                                                               | Number                  | Rate  | Number     | Rate  | Number | Rate  | Number | Rate  | Number   | Rate  | Number | Rate  |
| Fetal Deaths                                                  | 1                       | 1.3   | 0          | 0.0   | 0      | 0.0   | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| Total Deaths, All Causes                                      | 717                     | 14.0  | 298        | 17.9  | 115    | 14.6  | 99     | 13.9  | 274      | 14.6  | 0      | 0.0   |
| --Deaths Under One Year                                       | 5                       | 6.5   | 2          | 8.5   | 0      | 0.0   | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| --Deaths Under 28 Days                                        | 2                       | 2.6   | 2          | 8.5   | 0      | 0.0   | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| Tuberculosis                                                  | 0                       | 0.0   | 0          | 0.0   | 0      | 0.0   | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| Septicemia                                                    | 15                      | 29.3  | 4          | 24.0  | 5      | 63.5  | 2      | 28.1  | 6        | 32.0  | 6      | 32.0  |
| Human Immunodeficiency Virus Infection                        | 0                       | 0.0   | 0          | 0.0   | 0      | 0.0   | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| Malignant Neoplasms                                           | 141                     | 275.5 | 64         | 384.4 | 26     | 330.1 | 13     | 182.9 | 49       | 261.1 | 49     | 261.1 |
| --of Digestive Organs                                         | 34                      | 66.4  | 18         | 108.1 | 5      | 63.5  | 2      | 28.1  | 14       | 74.6  | 14     | 74.6  |
| ----Colon                                                     | 13                      | 25.4  | 7          | 42.0  | 1      | 12.7  | 0      | 0.0   | 4        | 21.3  | 4      | 21.3  |
| ----Pancreas                                                  | 7                       | 13.7  | 1          | 6.0   | 1      | 12.7  | 2      | 28.1  | 3        | 16.0  | 3      | 16.0  |
| --of Respiratory and Intrathoracic Organs                     | 36                      | 70.3  | 19         | 114.1 | 5      | 63.5  | 6      | 84.4  | 17       | 90.6  | 17     | 90.6  |
| ----Trachea, Bronchus and Lung                                | 36                      | 70.3  | 19         | 114.1 | 5      | 63.5  | 6      | 84.4  | 16       | 85.3  | 16     | 85.3  |
| --of Breast                                                   | 10                      | 19.5  | 2          | 12.0  | 3      | 38.1  | 2      | 28.1  | 3        | 16.0  | 3      | 16.0  |
| --of Genitourinary Organs                                     | 22                      | 43.0  | 9          | 54.1  | 7      | 88.9  | 1      | 14.1  | 7        | 37.3  | 7      | 37.3  |
| ----Cervix Uteri                                              | 0                       | 0.0   | 0          | 0.0   | 0      | 0.0   | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| ----Ovary                                                     | 4                       | 7.8   | 3          | 18.0  | 2      | 25.4  | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| ----Prostate                                                  | 3                       | 5.9   | 4          | 24.0  | 2      | 25.4  | 0      | 0.0   | 2        | 10.7  | 2      | 10.7  |
| ----Bladder                                                   | 4                       | 7.8   | 1          | 6.0   | 1      | 12.7  | 0      | 0.0   | 1        | 5.3   | 1      | 5.3   |
| --All Other (Malignant Neoplasms)                             | 39                      | 76.2  | 16         | 96.1  | 6      | 76.2  | 2      | 28.1  | 8        | 42.6  | 8      | 42.6  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 2                       | 3.9   | 1          | 6.0   | 0      | 0.0   | 1      | 14.1  | 1        | 5.3   | 1      | 5.3   |
| Diabetes Mellitus                                             | 22                      | 43.0  | 11         | 66.1  | 4      | 50.8  | 4      | 56.3  | 12       | 64.0  | 12     | 64.0  |
| Dementia                                                      | 59                      | 115.3 | 9          | 54.1  | 3      | 38.1  | 2      | 28.1  | 21       | 111.9 | 21     | 111.9 |
| Alzheimer's Disease                                           | 30                      | 58.6  | 14         | 84.1  | 5      | 63.5  | 4      | 56.3  | 5        | 26.6  | 5      | 26.6  |
| Major Cardiovascular Disease                                  | 206                     | 402.5 | 96         | 576.6 | 30     | 380.9 | 34     | 478.3 | 82       | 437.0 | 82     | 437.0 |
| --Diseases of the Heart                                       | 138                     | 269.7 | 76         | 456.5 | 19     | 241.2 | 24     | 337.6 | 67       | 357.1 | 67     | 357.1 |
| ----Ischemic Heart Disease                                    | 91                      | 177.8 | 39         | 234.2 | 13     | 165.1 | 13     | 182.9 | 44       | 234.5 | 44     | 234.5 |
| --Essential Hypertension and Hypertensive Renal Disease       | 13                      | 25.4  | 2          | 12.0  | 1      | 12.7  | 0      | 0.0   | 3        | 16.0  | 3      | 16.0  |
| --Cerebrovascular Diseases (Stroke)                           | 48                      | 93.8  | 17         | 102.1 | 8      | 101.6 | 10     | 140.7 | 11       | 58.6  | 11     | 58.6  |
| --Arteriosclerosis                                            | 2                       | 3.9   | 1          | 6.0   | 0      | 0.0   | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 5                       | 9.8   | 0          | 0.0   | 2      | 25.4  | 0      | 0.0   | 1        | 5.3   | 1      | 5.3   |
| Influenza and Pneumonia                                       | 23                      | 44.9  | 5          | 30.0  | 3      | 38.1  | 1      | 14.1  | 2        | 10.7  | 2      | 10.7  |
| --Influenza                                                   | 3                       | 5.9   | 0          | 0.0   | 0      | 0.0   | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| --Pneumonia                                                   | 20                      | 39.1  | 5          | 30.0  | 3      | 38.1  | 1      | 14.1  | 2        | 10.7  | 2      | 10.7  |
| Chronic Lower Respiratory Diseases                            | 39                      | 76.2  | 17         | 102.1 | 10     | 127.0 | 9      | 126.6 | 19       | 101.3 | 19     | 101.3 |
| --Bronchitis, Emphysema and Asthma                            | 2                       | 3.9   | 0          | 0.0   | 0      | 0.0   | 1      | 14.1  | 0        | 0.0   | 0      | 0.0   |
| Lung Diseases due to External Agents                          | 5                       | 9.8   | 3          | 18.0  | 1      | 12.7  | 3      | 42.2  | 3        | 16.0  | 3      | 16.0  |
| --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                           | 8                       | 15.6  | 8          | 48.1  | 3      | 38.1  | 1      | 14.1  | 4        | 21.3  | 4      | 21.3  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 16                      | 31.3  | 0          | 0.0   | 1      | 12.7  | 4      | 56.3  | 10       | 53.3  | 10     | 53.3  |
| Congenital Malformations                                      | 2                       | 3.9   | 1          | 6.0   | 0      | 0.0   | 0      | 0.0   | 1        | 5.3   | 1      | 5.3   |
| Ill-Defined and Unknown Causes of Death                       | 5                       | 9.8   | 4          | 24.0  | 2      | 25.4  | 1      | 14.1  | 5        | 26.6  | 5      | 26.6  |
| Accidents, All Forms                                          | 36                      | 70.3  | 16         | 96.1  | 6      | 76.2  | 4      | 56.3  | 17       | 90.6  | 17     | 90.6  |
| --Motor Vehicle                                               | 5                       | 9.8   | 2          | 12.0  | 0      | 0.0   | 0      | 0.0   | 4        | 21.3  | 4      | 21.3  |
| --Falls                                                       | 8                       | 15.6  | 3          | 18.0  | 2      | 25.4  | 2      | 28.1  | 5        | 26.6  | 5      | 26.6  |
| --Drownings                                                   | 1                       | 2.0   | 1          | 6.0   | 0      | 0.0   | 0      | 0.0   | 1        | 5.3   | 1      | 5.3   |
| --Smoke, Fires and Flames                                     | 0                       | 0.0   | 0          | 0.0   | 0      | 0.0   | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| --Poisonings                                                  | 21                      | 41.0  | 6          | 36.0  | 4      | 50.8  | 2      | 28.1  | 4        | 21.3  | 4      | 21.3  |
| --Other Accidents                                             | 1                       | 2.0   | 4          | 24.0  | 0      | 0.0   | 0      | 0.0   | 3        | 16.0  | 3      | 16.0  |
| Intentional Self-Harm (Suicide)                               | 6                       | 11.7  | 1          | 6.0   | 1      | 12.7  | 2      | 28.1  | 4        | 21.3  | 4      | 21.3  |
| Assault (Homicide)                                            | 2                       | 3.9   | 0          | 0.0   | 0      | 0.0   | 2      | 28.1  | 0        | 0.0   | 0      | 0.0   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 2                       | 3.9   | 1          | 6.0   | 1      | 12.7  | 0      | 0.0   | 0        | 0.0   | 0      | 0.0   |
| All Other Causes (Residual)                                   | 98                      | 191.5 | 43         | 258.3 | 14     | 177.8 | 12     | 168.8 | 33       | 175.9 | 33     | 175.9 |

\*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, 2011  
Table 67 (Cont'd)

| Selected Causes of Death                                      | Number and Rate by City |       |            |       |           |       |        |       |             |       |
|---------------------------------------------------------------|-------------------------|-------|------------|-------|-----------|-------|--------|-------|-------------|-------|
|                                                               | Grafton                 |       | Huntington |       | Hurricane |       | Keyser |       | Martinsburg |       |
|                                                               | Number                  | Rate  | Number     | Rate  | Number    | Rate  | Number | Rate  | Number      | Rate  |
| Fetal Deaths                                                  | 0                       | 0.0   | 1          | 1.4   | 0         | 0.0   | 0      | 0.0   | 2           | 8.3   |
| Total Deaths, All Causes                                      | 100                     | 19.3  | 664        | 13.5  | 86        | 13.6  | 52     | 9.6   | 237         | 13.6  |
| --Deaths Under One Year                                       | 0                       | 0.0   | 5          | 7.0   | 2         | 18.0  | 0      | 0.0   | 4           | 16.6  |
| --Deaths Under 28 Days                                        | 0                       | 0.0   | 2          | 2.8   | 2         | 18.0  | 0      | 0.0   | 2           | 8.3   |
| Tuberculosis                                                  | 0                       | 0.0   | 0          | 0.0   | 0         | 0.0   | 0      | 0.0   | 1           | 5.7   |
| Septicemia                                                    | 1                       | 19.3  | 9          | 18.3  | 0         | 0.0   | 0      | 0.0   | 9           | 51.5  |
| Human Immunodeficiency Virus Infection                        | 0                       | 0.0   | 1          | 2.0   | 0         | 0.0   | 0      | 0.0   | 0           | 0.0   |
| Malignant Neoplasms                                           | 18                      | 348.1 | 120        | 243.6 | 20        | 315.8 | 14     | 258.3 | 56          | 320.2 |
| --of Digestive Organs                                         | 2                       | 38.7  | 24         | 48.7  | 2         | 31.6  | 5      | 92.2  | 10          | 57.2  |
| ----Colon                                                     | 0                       | 0.0   | 11         | 22.3  | 1         | 15.8  | 1      | 18.4  | 3           | 17.2  |
| ----Pancreas                                                  | 1                       | 19.3  | 5          | 10.2  | 1         | 15.8  | 1      | 18.4  | 4           | 22.9  |
| --of Respiratory and Intrathoracic Organs                     | 9                       | 174.0 | 43         | 87.3  | 7         | 110.5 | 3      | 55.3  | 26          | 148.7 |
| ----Trachea, Bronchus and Lung                                | 9                       | 174.0 | 43         | 87.3  | 7         | 110.5 | 3      | 55.3  | 25          | 143.0 |
| --of Breast                                                   | 1                       | 19.3  | 7          | 14.2  | 3         | 47.4  | 0      | 0.0   | 3           | 17.2  |
| --of Genitourinary Organs                                     | 3                       | 58.0  | 23         | 46.7  | 3         | 47.4  | 2      | 36.9  | 6           | 34.3  |
| ----Cervix Uteri                                              | 0                       | 0.0   | 0          | 0.0   | 0         | 0.0   | 0      | 0.0   | 1           | 5.7   |
| ----Ovary                                                     | 0                       | 0.0   | 2          | 4.1   | 1         | 15.8  | 0      | 0.0   | 0           | 0.0   |
| ----Prostate                                                  | 2                       | 38.7  | 7          | 14.2  | 0         | 0.0   | 1      | 18.4  | 2           | 11.4  |
| ----Bladder                                                   | 1                       | 19.3  | 5          | 10.2  | 1         | 15.8  | 0      | 0.0   | 2           | 11.4  |
| --All Other (Malignant Neoplasms)                             | 3                       | 58.0  | 23         | 46.7  | 5         | 79.0  | 4      | 73.8  | 11          | 62.9  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 0                       | 0.0   | 7          | 14.2  | 0         | 0.0   | 0      | 0.0   | 1           | 5.7   |
| Diabetes Mellitus                                             | 2                       | 38.7  | 28         | 56.8  | 0         | 0.0   | 1      | 18.4  | 4           | 22.9  |
| Dementia                                                      | 2                       | 38.7  | 32         | 65.0  | 8         | 126.3 | 3      | 55.3  | 5           | 28.6  |
| Alzheimer's Disease                                           | 3                       | 58.0  | 29         | 58.9  | 2         | 31.6  | 2      | 17.2  | 3           | 17.2  |
| Major Cardiovascular Disease                                  | 37                      | 715.5 | 180        | 365.5 | 31        | 489.5 | 16     | 295.1 | 74          | 423.2 |
| --Diseases of the Heart                                       | 25                      | 483.5 | 130        | 263.9 | 25        | 394.8 | 11     | 202.9 | 55          | 314.5 |
| ----Ischemic Heart Disease                                    | 18                      | 348.1 | 80         | 162.4 | 16        | 252.6 | 6      | 110.7 | 33          | 188.7 |
| ----Essential Hypertension and Hypertensive Renal Disease     | 3                       | 58.0  | 4          | 8.1   | 1         | 15.8  | 3      | 55.3  | 2           | 11.4  |
| ----Cerebrovascular Diseases (Stroke)                         | 6                       | 116.0 | 41         | 83.2  | 4         | 63.2  | 1      | 18.4  | 16          | 91.5  |
| --Arteriosclerosis                                            | 3                       | 58.0  | 1          | 2.0   | 1         | 15.8  | 0      | 0.0   | 1           | 5.7   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 0                       | 0.0   | 4          | 8.1   | 0         | 0.0   | 1      | 18.4  | 0           | 0.0   |
| Influenza and Pneumonia                                       | 2                       | 38.7  | 9          | 18.3  | 3         | 47.4  | 0      | 0.0   | 5           | 28.6  |
| --Influenza                                                   | 0                       | 0.0   | 0          | 0.0   | 0         | 0.0   | 0      | 0.0   | 0           | 0.0   |
| --Pneumonia                                                   | 2                       | 38.7  | 9          | 18.3  | 3         | 47.4  | 0      | 0.0   | 5           | 28.6  |
| Chronic Lower Respiratory Diseases                            | 11                      | 212.7 | 54         | 109.6 | 7         | 110.5 | 3      | 55.3  | 18          | 102.9 |
| --Bronchitis, Emphysema and Asthma                            | 1                       | 19.3  | 7          | 14.2  | 0         | 0.0   | 1      | 18.4  | 2           | 11.4  |
| Lung Diseases due to External Agents                          | 2                       | 38.7  | 3          | 6.1   | 1         | 15.8  | 1      | 18.4  | 0           | 0.0   |
| --Coal Worker's Pneumoconiosis                                | 0                       | 0.0   | 0          | 0.0   | 0         | 0.0   | 0      | 0.0   | 0           | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 1                       | 19.3  | 13         | 26.4  | 2         | 31.6  | 0      | 0.0   | 1           | 5.7   |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 5                       | 96.7  | 16         | 32.5  | 1         | 15.8  | 2      | 36.9  | 2           | 11.4  |
| Congenital Malformations                                      | 0                       | 0.0   | 1          | 2.0   | 0         | 0.0   | 0      | 0.0   | 0           | 0.0   |
| Ill-Defined and Unknown Causes of Death                       | 1                       | 19.3  | 18         | 36.5  | 0         | 0.0   | 0      | 0.0   | 5           | 28.6  |
| Accidents, All Forms                                          | 3                       | 58.0  | 43         | 87.3  | 3         | 47.4  | 5      | 92.2  | 15          | 85.8  |
| --Motor Vehicle                                               | 1                       | 19.3  | 0          | 0.0   | 0         | 0.0   | 1      | 18.4  | 3           | 17.2  |
| --Falls                                                       | 0                       | 0.0   | 11         | 22.3  | 2         | 31.6  | 1      | 18.4  | 0           | 0.0   |
| --Drownings                                                   | 0                       | 0.0   | 0          | 0.0   | 0         | 0.0   | 1      | 18.4  | 0           | 0.0   |
| --Smoke, Fires and Flames                                     | 0                       | 0.0   | 1          | 2.0   | 0         | 0.0   | 0      | 0.0   | 0           | 0.0   |
| --Poisonings                                                  | 0                       | 0.0   | 26         | 52.8  | 1         | 15.8  | 1      | 18.4  | 9           | 51.5  |
| --Other Accidents                                             | 2                       | 38.7  | 5          | 10.2  | 0         | 0.0   | 1      | 18.4  | 3           | 17.2  |
| Intentional Self-Harm (Suicide)                               | 1                       | 19.3  | 8          | 16.2  | 0         | 0.0   | 0      | 0.0   | 5           | 28.6  |
| Assault (Homicide)                                            | 0                       | 0.0   | 4          | 8.1   | 0         | 0.0   | 0      | 0.0   | 0           | 0.0   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 1                       | 19.3  | 4          | 8.1   | 0         | 0.0   | 0      | 0.0   | 1           | 5.7   |
| All Other Causes (Residual)                                   | 10                      | 193.4 | 85         | 172.6 | 8         | 126.3 | 5      | 92.2  | 32          | 183.0 |

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

West Virginia Bureau for Public Health  
Health Statistics Center, 2014

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2011  
Table 67 (Cont'd)

| Selected Causes of Death                                      | Number and Rate by City |       |             |       |                  |       |        |       |          |       |
|---------------------------------------------------------------|-------------------------|-------|-------------|-------|------------------|-------|--------|-------|----------|-------|
|                                                               | Morgantown              |       | Moundsville |       | New Martinsville |       | Nitro  |       | Oak Hill |       |
|                                                               | Number                  | Rate  | Number      | Rate  | Number           | Rate  | Number | Rate  | Number   | Rate  |
| Fetal Deaths                                                  | 3                       | 6.7   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Total Deaths, All Causes                                      | 244                     | 8.1   | 152         | 16.5  | 90               | 17.0  | 111    | 15.5  | 94       | 12.3  |
| --Deaths Under One Year                                       | 3                       | 6.7   | 1           | 10.9  | 0                | 0.0   | 1      | 9.6   | 0        | 0.0   |
| --Deaths Under 28 Days                                        | 3                       | 6.7   | 1           | 10.9  | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Tuberculosis                                                  | 0                       | 0.0   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Septicemia                                                    | 2                       | 6.6   | 0           | 0.0   | 1                | 18.9  | 2      | 27.9  | 2        | 26.1  |
| Human Immunodeficiency Virus Infection                        | 1                       | 3.3   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Malignant Neoplasms                                           | 50                      | 165.1 | 32          | 346.5 | 11               | 207.9 | 31     | 432.8 | 19       | 247.7 |
| --of Digestive Organs                                         | 16                      | 52.8  | 9           | 97.5  | 2                | 37.8  | 11     | 153.6 | 6        | 78.2  |
| ----Colon                                                     | 2                       | 6.6   | 2           | 21.7  | 0                | 0.0   | 4      | 55.8  | 2        | 26.1  |
| ----Pancreas                                                  | 7                       | 23.1  | 1           | 10.8  | 1                | 18.9  | 3      | 41.9  | 2        | 26.1  |
| --of Respiratory and Intrathoracic Organs                     | 13                      | 42.9  | 12          | 130.0 | 5                | 94.5  | 8      | 111.7 | 4        | 52.1  |
| ----Trachea, Bronchus and Lung                                | 13                      | 42.9  | 12          | 130.0 | 5                | 94.5  | 8      | 111.7 | 4        | 52.1  |
| --of Breast                                                   | 7                       | 23.1  | 3           | 32.5  | 0                | 0.0   | 2      | 27.9  | 2        | 26.1  |
| --of Genitourinary Organs                                     | 8                       | 26.4  | 3           | 32.5  | 0                | 0.0   | 4      | 55.8  | 4        | 52.1  |
| ----Cervix Uteri                                              | 0                       | 0.0   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| ----Ovary                                                     | 0                       | 0.0   | 1           | 10.8  | 0                | 0.0   | 0      | 0.0   | 1        | 13.0  |
| ----Prostate                                                  | 3                       | 9.9   | 2           | 21.7  | 0                | 0.0   | 3      | 41.9  | 2        | 26.1  |
| ----Bladder                                                   | 1                       | 3.3   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| --All Other (Malignant Neoplasms)                             | 6                       | 19.8  | 5           | 54.1  | 4                | 75.6  | 6      | 83.8  | 3        | 39.1  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 2                       | 6.6   | 2           | 21.7  | 0                | 0.0   | 1      | 14.0  | 1        | 13.0  |
| Diabetes Mellitus                                             | 7                       | 23.1  | 7           | 75.8  | 8                | 151.2 | 2      | 27.9  | 5        | 65.2  |
| Dementia                                                      | 13                      | 42.9  | 1           | 10.8  | 1                | 18.9  | 8      | 111.7 | 1        | 13.0  |
| Alzheimer's Disease                                           | 12                      | 39.6  | 6           | 65.0  | 4                | 75.6  | 1      | 14.0  | 3        | 39.1  |
| Major Cardiovascular Disease                                  | 72                      | 237.7 | 55          | 595.6 | 23               | 434.6 | 26     | 363.0 | 27       | 351.9 |
| --Diseases of the Heart                                       | 54                      | 178.3 | 43          | 465.7 | 16               | 302.3 | 17     | 237.3 | 19       | 247.7 |
| ----Ischemic Heart Disease                                    | 34                      | 112.2 | 36          | 389.9 | 9                | 170.1 | 11     | 153.6 | 14       | 182.5 |
| ----Essential Hypertension and Hypertensive Renal Disease     | 5                       | 16.5  | 0           | 0.0   | 1                | 18.9  | 6      | 83.8  | 1        | 13.0  |
| ----Cerebrovascular Diseases (Stroke)                         | 11                      | 36.3  | 11          | 119.1 | 5                | 94.5  | 3      | 41.9  | 4        | 52.1  |
| --Arteriosclerosis                                            | 0                       | 0.0   | 1           | 10.8  | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 2                       | 6.6   | 0           | 0.0   | 1                | 18.9  | 0      | 0.0   | 3        | 39.1  |
| Influenza and Pneumonia                                       | 10                      | 33.0  | 8           | 86.6  | 2                | 37.8  | 0      | 0.0   | 1        | 13.0  |
| --Influenza                                                   | 0                       | 0.0   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| --Pneumonia                                                   | 10                      | 33.0  | 8           | 86.6  | 2                | 37.8  | 0      | 0.0   | 1        | 13.0  |
| Chronic Lower Respiratory Diseases                            | 14                      | 46.2  | 8           | 86.6  | 7                | 132.3 | 5      | 69.8  | 6        | 78.2  |
| --Bronchitis, Emphysema and Asthma                            | 1                       | 3.3   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Lung Diseases due to External Agents                          | 5                       | 16.5  | 1           | 10.8  | 0                | 0.0   | 1      | 14.0  | 2        | 26.1  |
| --Coal Worker's Pneumoconiosis                                | 0                       | 0.0   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 2        | 26.1  |
| Chronic Liver Disease and Cirrhosis                           | 0                       | 0.0   | 2           | 21.7  | 1                | 18.9  | 2      | 27.9  | 1        | 13.0  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 6                       | 19.8  | 3           | 32.5  | 0                | 0.0   | 2      | 27.9  | 1        | 13.0  |
| Congenital Malformations                                      | 1                       | 3.3   | 0           | 0.0   | 1                | 18.9  | 0      | 0.0   | 0        | 0.0   |
| Ill-Defined and Unknown Causes of Death                       | 1                       | 3.3   | 0           | 0.0   | 1                | 18.9  | 0      | 0.0   | 1        | 13.0  |
| Accidents, All Forms                                          | 12                      | 39.6  | 8           | 86.6  | 6                | 113.4 | 12     | 167.5 | 7        | 91.2  |
| --Motor Vehicle                                               | 1                       | 3.3   | 1           | 10.8  | 2                | 37.8  | 2      | 27.9  | 0        | 0.0   |
| --Falls                                                       | 4                       | 13.2  | 2           | 21.7  | 1                | 18.9  | 2      | 27.9  | 2        | 26.1  |
| --Drownings                                                   | 0                       | 0.0   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| --Smoke, Fires and Flames                                     | 1                       | 3.3   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| --Poisonings                                                  | 2                       | 6.6   | 4           | 43.3  | 1                | 18.9  | 6      | 83.8  | 4        | 52.1  |
| --Other Accidents                                             | 4                       | 13.2  | 1           | 10.8  | 2                | 37.8  | 2      | 27.9  | 1        | 13.0  |
| Intentional Self-Harm (Suicide)                               | 5                       | 16.5  | 1           | 10.8  | 3                | 56.7  | 1      | 14.0  | 0        | 0.0   |
| Assault (Homicide)                                            | 1                       | 3.3   | 1           | 10.8  | 0                | 0.0   | 0      | 0.0   | 1        | 13.0  |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 0                       | 0.0   | 0           | 0.0   | 0                | 0.0   | 0      | 0.0   | 0        | 0.0   |
| All Other Causes (Residual)                                   | 30                      | 99.0  | 17          | 184.1 | 22               | 415.7 | 16     | 223.4 | 16       | 208.6 |

\*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, 2011  
Table 67 (Cont'd)

| Selected Causes of Death                                      | Number and Rate by City |       |                |       |           |       |        |       |              |       |
|---------------------------------------------------------------|-------------------------|-------|----------------|-------|-----------|-------|--------|-------|--------------|-------|
|                                                               | Parkersburg             |       | Point Pleasant |       | Princeton |       | Ranson |       | Saint Albans |       |
|                                                               | Number                  | Rate  | Number         | Rate  | Number    | Rate  | Number | Rate  | Number       | Rate  |
| Fetal Deaths                                                  | 8                       | 15.4  | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 1            | 5.9   |
| Total Deaths, All Causes                                      | 494                     | 15.7  | 55             | 12.7  | 105       | 16.3  | 29     | 6.4   | 191          | 17.4  |
| --Deaths Under One Year                                       | 7                       | 13.5  | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| --Deaths Under 28 Days                                        | 3                       | 5.8   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| Tuberculosis                                                  | 0                       | 0.0   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| Septicemia                                                    | 6                       | 19.0  | 0              | 0.0   | 1         | 15.5  | 0      | 0.0   | 2            | 18.2  |
| Human Immunodeficiency Virus Infection                        | 1                       | 3.2   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| Malignant Neoplasms                                           | 102                     | 323.2 | 11             | 253.3 | 13        | 201.5 | 8      | 177.3 | 39           | 354.5 |
| --of Digestive Organs                                         | 20                      | 63.4  | 1              | 23.0  | 7         | 108.5 | 2      | 44.3  | 4            | 36.4  |
| ----Colon                                                     | 7                       | 22.2  | 0              | 0.0   | 2         | 31.0  | 0      | 0.0   | 1            | 9.1   |
| ----Pancreas                                                  | 5                       | 15.8  | 1              | 23.0  | 1         | 15.5  | 1      | 22.2  | 2            | 18.2  |
| --of Respiratory and Intrathoracic Organs                     | 36                      | 114.1 | 5              | 115.1 | 4         | 62.0  | 2      | 44.3  | 16           | 145.4 |
| ----Trachea, Bronchus and Lung                                | 36                      | 114.1 | 5              | 115.1 | 4         | 62.0  | 2      | 44.3  | 15           | 136.4 |
| --of Breast                                                   | 10                      | 31.7  | 1              | 23.0  | 0         | 0.0   | 0      | 0.0   | 3            | 27.3  |
| --of Genitourinary Organs                                     | 10                      | 31.7  | 3              | 69.1  | 0         | 0.0   | 1      | 22.2  | 9            | 81.8  |
| ----Cervix Uteri                                              | 1                       | 3.2   | 1              | 23.0  | 0         | 0.0   | 1      | 22.2  | 1            | 9.1   |
| ----Ovary                                                     | 3                       | 9.5   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 1            | 9.1   |
| ----Prostate                                                  | 1                       | 3.2   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 4            | 36.4  |
| ----Bladder                                                   | 1                       | 3.2   | 1              | 23.0  | 0         | 0.0   | 0      | 0.0   | 2            | 18.2  |
| --All Other (Malignant Neoplasms)                             | 26                      | 82.4  | 1              | 23.0  | 2         | 31.0  | 3      | 66.5  | 7            | 63.6  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 6                       | 19.0  | 1              | 23.0  | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| Diabetes Mellitus                                             | 17                      | 53.9  | 2              | 46.1  | 7         | 108.5 | 0      | 0.0   | 5            | 45.5  |
| Dementia                                                      | 7                       | 22.2  | 0              | 0.0   | 8         | 124.0 | 0      | 0.0   | 19           | 172.7 |
| Alzheimer's Disease                                           | 15                      | 47.5  | 2              | 46.1  | 2         | 31.0  | 2      | 44.3  | 6            | 54.5  |
| Major Cardiovascular Disease                                  | 210                     | 665.5 | 16             | 368.4 | 32        | 495.9 | 10     | 221.6 | 42           | 381.8 |
| --Diseases of the Heart                                       | 182                     | 576.7 | 12             | 276.3 | 24        | 371.9 | 8      | 177.3 | 33           | 300.0 |
| ----Ischemic Heart Disease                                    | 86                      | 272.5 | 7              | 161.2 | 14        | 217.0 | 5      | 110.8 | 20           | 181.8 |
| --Essential Hypertension and Hypertensive Renal Disease       | 6                       | 19.0  | 0              | 0.0   | 3         | 46.5  | 0      | 0.0   | 2            | 18.2  |
| --Cerebrovascular Diseases (Stroke)                           | 17                      | 53.9  | 3              | 69.1  | 4         | 62.0  | 1      | 22.2  | 4            | 36.4  |
| --Arteriosclerosis                                            | 3                       | 9.5   | 0              | 0.0   | 0         | 0.0   | 1      | 22.2  | 3            | 27.3  |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 2                       | 6.3   | 1              | 23.0  | 1         | 15.5  | 0      | 0.0   | 0            | 0.0   |
| Influenza and Pneumonia                                       | 11                      | 34.9  | 0              | 0.0   | 3         | 46.5  | 1      | 22.2  | 6            | 54.5  |
| --Influenza                                                   | 0                       | 0.0   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| --Pneumonia                                                   | 11                      | 34.9  | 0              | 0.0   | 3         | 46.5  | 1      | 22.2  | 6            | 54.5  |
| Chronic Lower Respiratory Diseases                            | 26                      | 82.4  | 3              | 69.1  | 18        | 278.9 | 3      | 66.5  | 15           | 136.4 |
| --Bronchitis, Emphysema and Asthma                            | 0                       | 0.0   | 1              | 23.0  | 1         | 15.5  | 0      | 0.0   | 0            | 0.0   |
| Lung Diseases due to External Agents                          | 3                       | 9.5   | 1              | 23.0  | 0         | 0.0   | 0      | 0.0   | 2            | 18.2  |
| --Coal Worker's Pneumoconiosis                                | 0                       | 0.0   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 6                       | 19.0  | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 7            | 63.6  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 5                       | 15.8  | 0              | 0.0   | 3         | 46.5  | 0      | 0.0   | 6            | 54.5  |
| Congenital Malformations                                      | 4                       | 0.0   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| Ill-Defined and Unknown Causes of Death                       | 4                       | 12.7  | 2              | 46.1  | 1         | 15.5  | 0      | 0.0   | 0            | 0.0   |
| Accidents, All Forms                                          | 24                      | 76.1  | 3              | 69.1  | 6         | 93.0  | 0      | 0.0   | 13           | 118.2 |
| --Motor Vehicle                                               | 6                       | 19.0  | 1              | 23.0  | 0         | 0.0   | 0      | 0.0   | 2            | 18.2  |
| --Falls                                                       | 3                       | 9.5   | 1              | 23.0  | 2         | 31.0  | 0      | 0.0   | 3            | 27.3  |
| --Drownings                                                   | 2                       | 6.3   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| --Smoke, Fires and Flames                                     | 2                       | 6.3   | 0              | 0.0   | 0         | 0.0   | 0      | 0.0   | 0            | 0.0   |
| --Poisonings                                                  | 8                       | 25.4  | 0              | 0.0   | 4         | 62.0  | 0      | 0.0   | 5            | 45.5  |
| --Other Accidents                                             | 3                       | 9.5   | 1              | 23.0  | 0         | 0.0   | 0      | 0.0   | 3            | 27.3  |
| Intentional Self-Harm (Suicide)                               | 2                       | 6.3   | 2              | 46.1  | 0         | 0.0   | 0      | 0.0   | 2            | 18.2  |
| Assault (Homicide)                                            | 0                       | 0.0   | 0              | 0.0   | 1         | 15.5  | 1      | 22.2  | 2            | 18.2  |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 2                       | 6.3   | 1              | 23.0  | 0         | 0.0   | 1      | 22.2  | 0            | 0.0   |
| All Other Causes (Residual)                                   | 47                      | 148.9 | 11             | 253.3 | 10        | 155.0 | 3      | 66.5  | 25           | 227.3 |

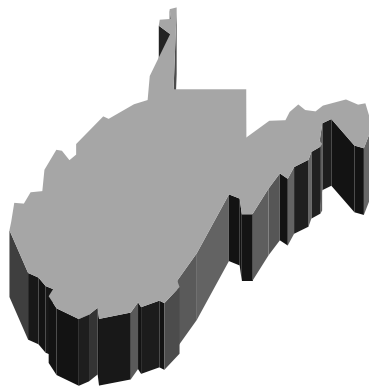
\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2011  
Table 67 (Cont'd)

| Selected Causes of Death                                      | Number and Rate by City |       |        |       |         |       |        |       |          |       |
|---------------------------------------------------------------|-------------------------|-------|--------|-------|---------|-------|--------|-------|----------|-------|
|                                                               | South Charleston        |       | Vienna |       | Weirton |       | Weston |       | Wheeling |       |
|                                                               | Number                  | Rate  | Number | Rate  | Number  | Rate  | Number | Rate  | Number   | Rate  |
| Fetal Deaths                                                  | 1                       | 5.9   | 3      | 28.0  | 0       | 0.0   | 0      | 0.0   | 2        | 6.1   |
| Total Deaths, All Causes                                      | 176                     | 13.1  | 126    | 11.7  | 208     | 10.6  | 57     | 13.9  | 463      | 16.3  |
| --Deaths Under One Year                                       | 1                       | 5.9   | 1      | 9.3   | 1       | 5.1   | 1      | 14.5  | 5        | 15.2  |
| --Deaths Under 28 Days                                        | 1                       | 5.9   | 1      | 9.3   | 1       | 5.1   | 1      | 14.5  | 3        | 9.1   |
| Tuberculosis                                                  | 0                       | 0.0   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Septicemia                                                    | 0                       | 0.0   | 1      | 9.3   | 7       | 35.6  | 2      | 48.7  | 4        | 14.1  |
| Human Immunodeficiency Virus Infection                        | 0                       | 0.0   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Malignant Neoplasms                                           | 36                      | 268.7 | 21     | 195.0 | 35      | 178.1 | 12     | 292.2 | 95       | 335.0 |
| --of Digestive Organs                                         | 9                       | 67.2  | 3      | 27.9  | 12      | 61.1  | 3      | 73.0  | 26       | 91.7  |
| ----Colon                                                     | 3                       | 22.4  | 1      | 9.3   | 4       | 20.4  | 0      | 0.0   | 7        | 24.7  |
| ----Pancreas                                                  | 0                       | 0.0   | 1      | 9.3   | 3       | 15.3  | 1      | 24.3  | 4        | 14.1  |
| --of Respiratory and Intrathoracic Organs                     | 8                       | 59.7  | 8      | 74.3  | 10      | 50.9  | 8      | 194.8 | 26       | 91.7  |
| ----Trachea, Bronchus and Lung                                | 8                       | 59.7  | 8      | 74.3  | 10      | 50.9  | 8      | 194.8 | 26       | 91.7  |
| --of Breast                                                   | 3                       | 22.4  | 1      | 9.3   | 1       | 5.1   | 0      | 0.0   | 4        | 14.1  |
| --of Genitourinary Organs                                     | 5                       | 37.3  | 3      | 27.9  | 4       | 20.4  | 0      | 0.0   | 16       | 56.4  |
| ----Cervix Uteri                                              | 1                       | 7.5   | 0      | 0.0   | 1       | 5.1   | 0      | 0.0   | 0        | 0.0   |
| ----Ovary                                                     | 1                       | 7.5   | 1      | 9.3   | 1       | 5.1   | 0      | 0.0   | 7        | 24.7  |
| ----Prostate                                                  | 1                       | 7.5   | 1      | 9.3   | 1       | 5.1   | 0      | 0.0   | 4        | 14.1  |
| ----Bladder                                                   | 1                       | 7.5   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   | 1        | 3.5   |
| --All Other (Malignant Neoplasms)                             | 11                      | 82.1  | 6      | 55.7  | 8       | 40.7  | 1      | 24.3  | 23       | 81.1  |
| Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms | 0                       | 0.0   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   | 4        | 14.1  |
| Diabetes Mellitus                                             | 5                       | 37.3  | 4      | 37.1  | 10      | 50.9  | 1      | 24.3  | 15       | 52.9  |
| Dementia                                                      | 22                      | 164.2 | 4      | 37.1  | 15      | 76.3  | 1      | 24.3  | 27       | 95.2  |
| Alzheimer's Disease                                           | 6                       | 44.8  | 5      | 46.4  | 5       | 25.4  | 2      | 48.7  | 11       | 38.8  |
| Major Cardiovascular Disease                                  | 43                      | 321.0 | 59     | 547.8 | 71      | 361.3 | 20     | 487.0 | 156      | 550.2 |
| --Diseases of the Heart                                       | 32                      | 238.9 | 51     | 473.5 | 57      | 290.1 | 15     | 365.2 | 110      | 387.9 |
| ----Ischemic Heart Disease                                    | 22                      | 164.2 | 26     | 241.4 | 29      | 147.6 | 10     | 243.5 | 72       | 253.9 |
| --Essential Hypertension and Hypertensive Renal Disease       | 0                       | 0.0   | 1      | 9.3   | 1       | 5.1   | 1      | 24.3  | 8        | 28.2  |
| --Cerebrovascular Diseases (Stroke)                           | 8                       | 59.7  | 5      | 46.4  | 9       | 45.8  | 3      | 73.0  | 33       | 116.4 |
| --Arteriosclerosis                                            | 1                       | 7.5   | 1      | 9.3   | 1       | 5.1   | 0      | 0.0   | 3        | 10.6  |
| --Other Diseases of Arteries, Arterioles and Capillaries      | 2                       | 14.9  | 1      | 9.3   | 3       | 15.3  | 1      | 24.3  | 2        | 7.1   |
| Influenza and Pneumonia                                       | 3                       | 22.4  | 2      | 18.6  | 9       | 45.8  | 2      | 48.7  | 4        | 14.1  |
| --Influenza                                                   | 1                       | 7.5   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   | 0        | 0.0   |
| --Pneumonia                                                   | 2                       | 14.9  | 2      | 18.6  | 9       | 45.8  | 2      | 48.7  | 4        | 14.1  |
| Chronic Lower Respiratory Diseases                            | 15                      | 112.0 | 8      | 74.3  | 11      | 56.0  | 6      | 146.1 | 38       | 134.0 |
| --Chronic Bronchitis and Emphysema                            | 0                       | 0.0   | 1      | 9.3   | 0       | 0.0   | 0      | 0.0   | 2        | 7.1   |
| --Asthma                                                      | 2                       | 14.9  | 0      | 0.0   | 1       | 5.1   | 0      | 0.0   | 2        | 7.1   |
| --Coal Worker's Pneumoconiosis                                | 1                       | 7.5   | 0      | 0.0   | 0       | 0.0   | 0      | 0.0   | 0        | 0.0   |
| Chronic Liver Disease and Cirrhosis                           | 6                       | 44.8  | 4      | 37.1  | 5       | 25.4  | 3      | 73.0  | 4        | 14.1  |
| Nephritis, Nephrotic Syndrome and Nephrosis                   | 6                       | 44.8  | 4      | 37.1  | 5       | 25.4  | 0      | 0.0   | 8        | 28.2  |
| Congenital Malformations                                      | 2                       | 14.9  | 1      | 9.3   | 1       | 5.1   | 0      | 0.0   | 1        | 3.5   |
| Ill-Defined and Unknown Causes of Death                       | 4                       | 29.9  | 0      | 0.0   | 6       | 30.5  | 0      | 0.0   | 1        | 3.5   |
| Accidents, All Forms                                          | 8                       | 59.7  | 6      | 55.7  | 7       | 35.6  | 2      | 48.7  | 15       | 52.9  |
| --Motor Vehicle                                               | 1                       | 7.5   | 3      | 27.9  | 2       | 10.2  | 1      | 24.3  | 2        | 7.1   |
| --Falls                                                       | 0                       | 0.0   | 1      | 9.3   | 2       | 10.2  | 0      | 0.0   | 3        | 10.6  |
| --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        | 3.5   |
| --Poisonings                                                  | 3                       | 22.4  | 1      | 9.3   | 1       | 5.1   | 1      | 24.3  | 6        | 21.2  |
| --Other Accidents                                             | 4                       | 29.9  | 1      | 9.3   | 2       | 10.2  | 0      | 0.0   | 3        | 10.6  |
| Intentional Self-Harm (Suicide)                               | 3                       | 22.4  | 1      | 9.3   | 0       | 0.0   | 1      | 24.3  | 5        | 17.6  |
| Assault (Homicide)                                            | 1                       | 7.5   | 1      | 9.3   | 0       | 0.0   | 0      | 0.0   | 2        | 7.1   |
| Injury Undetermined Whether Accidental or Purposely Inflicted | 0                       | 0.0   | 0      | 0.0   | 1       | 5.1   | 0      | 0.0   | 1        | 3.5   |
| All Other Causes (Residual)                                   | 14                      | 104.5 | 9      | 83.6  | 21      | 106.9 | 5      | 121.7 | 70       | 246.9 |

\*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.





West Virginia Vital Statistics

**Appendix A:**  
**ICD-10 Codes**

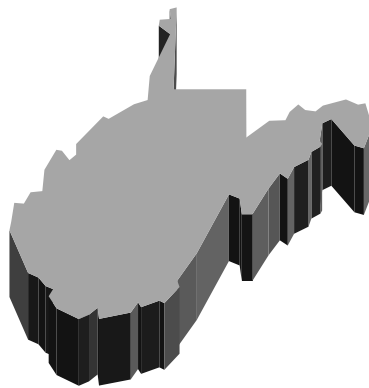


## APPENDIX A

### 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                                                       |
| F01, 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 2011 and filed in the state office of vital statistics prior to February 18, 2013. Vital events occurring to West Virginia residents in other states and tabulated by June 1, 2013 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, 319 births occurred within the geographic confines of Logan County of which only so many were to mothers who reside in Logan County; the remainder reside in other counties or states. Resident births for the county for 2011 totaled 452 which include 216 births that occurred in Logan County and 236 births to Logan County residents that occurred elsewhere. With the exception of Tables 11, 12, 13, 14, 16 and 46 (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 19 and the second page of Table 54, 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 31 presents the number of infant deaths by race of mother while the table on page 76 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.

## APPENDIX B (Cont'd)

### 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 159, "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 2011 population estimated 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/data/index.html> and then go to American FactFinder which is where detailed population figures are stored.

### 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  
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## 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 estimated 2011 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 weighing at least 350 grams or more or having passed through at least the 20th week of gestation if the weight is unknown.

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.

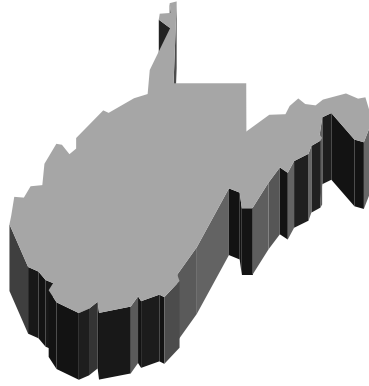
POSTNEONATAL DEATH - The death of a live-born infant that occurs after the 27th day of life but before one year of age.

## APPENDIX B (Cont'd)

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 Converting Pounds/Ounces into Grams

|        | Ounces |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Pounds | 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  
Health Statistics Center, 2014

