



# WEST VIRGINIA VITAL STATISTICS 2016

# SEVENTIETH ANNUAL REPORT

## WEST VIRGINIA VITAL STATISTICS 2016



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## TABLE OF CONTENTS

	<u>Page</u>
Foreword .....	1
2016 West Virginia and United States Vital Statistics Review .....	2
Selected Records and Trivia, West Virginia, 2016 .....	3
Average Day Statistics, West Virginia, 2016 .....	4
POPULATION .....	5
Population Summary .....	6
Exhibit 1: West Virginia Population, 1925-2016 .....	7
Table 1: West Virginia Population by County, 2015 and 2016 .....	8
Table 2: West Virginia Population Characteristics, 2010 and 2016 Distribution by Gender, Age and Race .....	9
Table 3: Age Group Distribution by County West Virginia Population, 2016 Estimate (Both/Each Gender) .....	10
Exhibit 2: Population Density per Square Mile by County West Virginia, 2016 .....	16
Exhibit 3: Per Capita Personal Income by County West Virginia, 2016 .....	17
Table 4: Births, Deaths, Natural Increase or Decrease and Net Migration West Virginia Population, 1975-2016 .....	18
BIRTHS .....	1
Birth Summary .....	20
Exhibit 4: Number and Rate of Resident Births (Compared to Deaths) West Virginia, 1925-2016 .....	23
Table 5: Summary Totals West Virginia Resident Births, 2016 .....	24

## TABLE OF CONTENTS (Cont'd)

		<u>Page</u>
Table 6:	Birthweight by Age of Mother West Virginia Resident Births, 2016 .....	25
Table 7:	Selected Factors by Birthweight of Infant West Virginia Resident Births, 2016 .....	26
Exhibit 5:	Birthweight in Grams West Virginia Resident Births, 2016 .....	27
Exhibit 6:	Age of Mother West Virginia Resident Births, 2016 .....	27
Table 8:	Marital Status by Age of Mother West Virginia Resident Births, 2012-2016 .....	28
Exhibit 7:	Marital Status by Age of Mother West Virginia Resident Births, 2016 .....	28
Exhibit 8:	Percent of Births to Unmarried Mothers West Virginia Resident Births, 1950-2016 .....	29
Exhibit 9:	Percent of Births to Unmarried Mothers and Unmarried Mothers with Paternity Affidavit West Virginia Occurrence Births, 1975-2016.....	30
Table 9:	Selected Factors by Race of Mother West Virginia Resident Births, 2016 .....	31
Table 10:	Prenatal Care by Mother's Race, Marital Status and Education West Virginia Resident Births, 2016 .....	32
Table 11:	Births by Method of Delivery Number and Percent by Facility of Occurrence West Virginia, 2016.....	34
Table 12:	Full-Term Births (39 or More Weeks Gestation) by Method of Delivery Number and Percent by Facility of Occurrence West Virginia, 2016.....	35
Table 13:	Labor-Induced Births by Method of Delivery Number and Percent by Facility of Occurrence West Virginia, 2016.....	36

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 14: Mother’s Marital Status and Method of Paternity Establishment Unmarried Mothers by Hospital of Birth West Virginia Occurrences, 2016.....	37
Table 15: Out-of-State Occurrences West Virginia Resident Births, 2012-2016 .....	38
Table 16: Out-of-State Residents Born in West Virginia West Virginia Occurrence Births, 2012-2016.....	38
DEATHS.....	39
Death Summary .....	40
Exhibit 10: Number and Rate of Resident Deaths (Compared to Births) West Virginia, 1925-2016 .....	42
Table 17: Summary Totals West Virginia Resident Deaths, 2016 .....	43
Table 18: Out-of-State Occurrences West Virginia Resident Deaths, 2012-2016 .....	44
Table 19: Deaths to Out-of-State Residents West Virginia Occurrence Deaths, 2012-2016.....	44
Exhibit 11: 2016 West Virginia and United States Resident Deaths Leading Causes of Death.....	45
Table 20: Top Twenty Leading Causes of Years of Potential Life Lost Before Age 75 Compared to Actual Deaths of All Ages West Virginia Residents, 2015 and 2016 .....	46
Exhibit 12: Top Ten Causes of Years of Potential Life Lost Before Age 75 Compared to Resident Deaths of All Ages West Virginia Resident Deaths, 2016 .....	47
Table 21: Leading Causes of Death by Age Group and Gender West Virginia Resident Deaths, 2016 .....	48
Exhibit 13: 2016 Ten Leading Causes of Death by Gender West Virginia Resident Death Rates .....	52

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 22: Types of Firearm Injury Deaths by Age Group and Gender West Virginia Residents, 2016 .....	53
Table 23: Non-Transport Accidental Injury Deaths Place Where Injury Occurred West Virginia Residents, 2016 .....	53
Table 24: Causes of Resident Deaths: Number and Rate West Virginia, 2016.....	54
Table 25: Selected Causes of Resident Deaths: Number by Race and Gender West Virginia, 2016.....	68
Table 26: Selected Causes of Resident Deaths by Age Group West Virginia, 2016.....	69
Table 27: Selected Causes of Resident Deaths by Month of Occurrence West Virginia, 2016.....	70
INFANT AND FETAL DEATH.....	71
Infant and Fetal Death Summary .....	72
Table 28: Fetal, Neonatal and Postneonatal Deaths: Number and Rate/Ratio West Virginia Resident Deaths, 1925-2016 .....	75
Exhibit 14: Fetal, Neonatal and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2016 .....	76
Table 29: Causes of Resident Infant Deaths by Age West Virginia, 2016.....	77
Table 30: Causes of Resident Infant Deaths by Birthweight West Virginia, 2016.....	80
Table 31: Births and Infant Deaths by Selected Risk Factors and Demographics West Virginia Residents, 2016 .....	83
Exhibit 15: Resident Infant Death Rates by County West Virginia, 2007-2011 and 2012-2016 .....	84

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 32: Causes of Resident Fetal Deaths West Virginia, 2012-2016 .....	85
INDUCED TERMINATIONS OF PREGNANCY (ITOP).....	87
Induced Terminations of Pregnancy (ITOP) Summary .....	88
Table 33: ITOP by Age of Female and Weeks of Gestation West Virginia Occurrences, 2016.....	90
Table 34: ITOP by Age of Female and Marital Status West Virginia Occurrences, 2016.....	90
Table 35: ITOP by Age of Female and Previous Live Births West Virginia Occurrences, 2016.....	91
Table 36: Previous ITOPs by Age of Female West Virginia Occurrences, 2016.....	91
MARRIAGES AND DIVORCES.....	92
Marriage and Divorce Summary.....	93
Exhibit 16: Marriages and Divorces West Virginia, 1970-2016 .....	95
Table 37: All Marriages by Age of Bride and Groom West Virginia, 2016.....	96
Table 38: Male-Female Marriages by Age of Bride and Groom West Virginia, 2016.....	97
Table 39: Same-Sex Marriages by Age West Virginia, 2016.....	98
Exhibit 17: All Marriages by Month of Occurrence West Virginia, 2016.....	99
Table 40: All Marriages by Previous Marital Status West Virginia, 2016.....	100



## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 41: All Marriages by Number of Previous Marriages West Virginia, 2016.....	100
Table 42: Male-Female Marriages by Previous Marital Status West Virginia, 2016.....	101
Table 43: Male-Female Marriages by Number of Previous Marriages West Virginia, 2016.....	101
Table 44: Same-Sex Marriages by Previous Marital Status West Virginia, 2016.....	102
Table 45: Same-Sex Marriages by Number of Previous Marriages West Virginia, 2016.....	102
Table 46: Divorces and Annulments by Age of Husband and Wife West Virginia, 2016.....	103
Table 47: Divorces and Annulments by Duration of Marriage and Number of Children West Virginia, 2016.....	104
COUNTY-LEVEL DATA.....	105
County and City Summary.....	106
 <u>County Births:</u>	
Table 48: Number of Births by County of Residence and Occurrence Birth Rates by County of Residence West Virginia Births, 2016 .....	107
Table 49: Number of Births by County of Residence West Virginia, 2012-2016 .....	108
Table 50: Number and Percent of Low Birthweight Births by County of Residence West Virginia, 2016.....	109
Table 51: Age of Mother by County West Virginia Resident Births, 2016 .....	110

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 52: Mother’s Marital Status and Method of Paternity Establishment for Unmarried Mothers by County West Virginia Occurrence Births, 2016.....	111
Table 53: Births by Month by County West Virginia Residents, 2016 .....	112
Table 54: Place of Delivery, Gender of Child by Race of Mother and Marital Status of Mother by County West Virginia Resident Births, 2016 .....	113
Table 55: Trimester Prenatal Care Began by County West Virginia Resident Births, 2016 .....	114
Table 56: Number of Prenatal Visits by County West Virginia Resident Births, 2016 .....	115
Table 57: 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, 2016 .....	116
 <u>County Deaths:</u>	
Table 58: Number of Deaths by Race, Gender and County of Residence West Virginia, 2016.....	117
Table 59: Number of Deaths by County of Residence and Occurrence West Virginia, 2016.....	118
Table 60: Method of Disposition by County of Residence/Occurrence West Virginia Deaths, 2016.....	119
Table 61: Number of Deaths by County of Residence West Virginia, 2012-2016 .....	121
Table 62: Age at Death by County of Residence West Virginia, 2016.....	122
Table 63: Place Death Occurred by County of Residence West Virginia, 2016.....	123

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 64: Firearm Injury Deaths by Type of Injury and County West Virginia Residents, 2016 .....	124
Table 65: Number and Rate of Resident Infant Deaths by County West Virginia, 2012-2016 .....	125
Table 66: Number and Ratio of Resident Fetal Deaths by County West Virginia, 2012-2016 .....	126
Exhibit 18: Malignant Neoplasm Mortality Rates by County West Virginia Resident Deaths, 2012-2016 .....	127
Exhibit 19: Diseases of the Heart Mortality Rates by County West Virginia Resident Deaths, 2012-2016 .....	128
Table 67: Selected Causes of Resident Deaths Number and Rate by County West Virginia, 2016.....	129
 <u>County Marriages and Divorces:</u>	
Table 68: Marriages by County of Occurrence Male-Female, Same-Sex and All Marriages West Virginia, 2016.....	143
Table 69: All Marriages by Month of Occurrence West Virginia by County, 2016.....	144
Table 70: Male-Female Marriages by Month of Occurrence West Virginia by County, 2016.....	145
Table 71: Number of Marriages by County West Virginia, 2012-2016 .....	146
Table 72: Divorces and Annulments by County of Occurrence West Virginia, 2016.....	147
Table 73: Divorces and Annulments by Month of Occurrence West Virginia, 2016.....	148

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 74: Divorces and Annulments by County of Occurrence West Virginia, 2012-2016 .....	149
CITY-LEVEL DATA .....	150
Table 75: Number and Rate of Births by City of Residence West Virginia, 2016 .....	151
Table 76: Selected Causes of Resident Deaths Number and Rate by City West Virginia, 2016 .....	152
APPENDIXES .....	162
APPENDIX A: ICD-10 Codes .....	162
Groupings of ICD-10 Codes .... ..	163
APPENDIX B: Methodology, Rates/Ratios and Definitions .....	164
Methodology .....	165
Rates and Ratios .....	167
Definitions .....	168
APPENDIX C: Grams Conversion .....	170
Converting Pounds/Ounces into Grams .....	171

## FOREWORD

The *West Virginia Vital Statistics 2016* publication provides an in-depth look at births, deaths, marriages and divorces that occurred among state residents in 2016. Beginning with the 2008 edition, state, county and city sections are presented separately. Please see the Table of Contents for further reference.

West Virginia had a natural decrease in population (excess of deaths over births) for the eighth year in a row. West Virginia dropped in overall population between 2015 and 2016 and only eight of the 55 counties gained population.

The number of total births decreased (19,778 to 19,070) from 2015 to 2016. In 2015, state births dropped below 20,000 for the first time on record. The births to teenage mothers also decreased. Births to unmarried mothers dropped slightly in 2016 as more than two out of every five births continue to occur out of wedlock. Among the unmarried mothers giving birth in West Virginia, a father was established through a paternity affidavit in 71.5% of these births, increasing from 71.1% in 2015.

Of the women who gave birth in 2016, 79.5% received prenatal care during the first trimester of pregnancy while 25.4% smoked during pregnancy. The percentage of low birthweight babies remained at 9.7% in 2016 same as 2015. In 2016, 34.8% of all babies were delivered by Cesarean section.

The number of deaths increased by 78 in 2016. The average age at death for West Virginians was 68.7 for men and 75.0 for women. Heart disease, becoming the leading cause of death in West Virginia for the first time since 2012, cancer, accidents, and chronic lower respiratory disease were the four leading causes of death, accountable for 56.0% of all deaths in West Virginia. Motor vehicle traffic accident deaths decreased by 7 in 2016, from 304 to 297.

The infant death rate increased from 7.0 per 1,000 live births in 2015 to 7.3 in 2016 even though the number was exactly the same (139). The majority (82.7%) of infant deaths were due to conditions originating in the perinatal period, congenital malformations and SIDS (Sudden Infant Death Syndrome). The fetal death ratio increased from 4.3 per 1,000 live births in 2015 to 5.0 in 2016. Almost all (97.9%) of fetal deaths were due to conditions originating in the perinatal period.

Induced termination of pregnancy (ITOP) or induced abortion was added to this publication beginning in 2005. This section contains data of those terminations performed in West Virginia only. There were 1,428 ITOPs performed in the state in 2016 compared with 1,519 in 2015. In 2016, 42 of these procedures involved a minor under the age of 18 compared with 48 in 2015.

West Virginia made allowance for same-sex marriages beginning in October 2014. However, overall marriages decreased for the fifth year in a row, from 12,296 in 2015 to 11,664. Divorces also decreased from 7,523 in 2015 to 6,880 in 2016.

Because of limited funds and the high cost of printing, 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 request online at <http://www.wvdhhr.org/bph/hsc/contactUs.asp>.

Birgit A. Shanholtzer, MA  
Director  
Health Statistics Center

## 2016 West Virginia and United States Vital Statistics Review

	West Virginia		United States***	
	Number	Rate*	Number	Rate*
Live Births	19,070	10.4	3,945,875	12.2
Deaths	22,721	12.4	2,744,248	8.5
Fetal Deaths	96	**5.0	N/A	N/A
Neonatal Deaths	84	**4.4	15,282	**3.8
Infant Deaths	139	**7.3	23,161	**5.8
Marriages	11,664	6.4	2,245,404	6.9
Divorces & Annulments	6,880	3.8	827,261	3.2
Natural Increase (Decrease)	(3,651)	(2.0)	1,201,627	3.7
Population (2016 Estimate)	1,831,102		323,127,513	

\*Rates based on 2016 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/nvsr67/nvsr67\\_01.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_01.pdf)

(Deaths, Neonatal and Infant Deaths) - CDC Wonder <http://wonder.cdc.gov/>

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

[https://www.cdc.gov/nchs/data/dvs/national\\_marriage\\_divorce\\_rates\\_00-16.pdf](https://www.cdc.gov/nchs/data/dvs/national_marriage_divorce_rates_00-16.pdf)

Note: U.S. divorces exclude data from California, Georgia, Hawaii, Indiana, Minnesota and New Mexico.

## Selected Records and Trivia West Virginia, 2016

### Nativity

Oldest Father: 69  
 Youngest Father: 14  
 Oldest Mother: 53  
 Youngest Mother: 13  
 Highest Live Birth Order: 15<sup>th</sup> Delivery – 14 siblings (brothers and sisters)  
 Day Most Births Occurred: July 28 & September 6 - (82)  
 Day Fewest Births Occurred: December 25 - (16)  
 Number of Live Born Twins: 565  
 Number of Live Born Triplets: 18  
 Number of Live Born Quadruplets: 4

### Most Popular Names for Babies

<u>Boys' Names</u>	<u>Number</u>	<u>Girls' Names</u>	<u>Number</u>
Mason	106	Ava	88
Noah	106	Olivia	87
Liam	95	Emma	85
Carter	85	Harper	83
Hunter	85	Paisley	70
James	85	Isabella	67
William	84	Abigail	64
Grayson	83	Addison	60
Owen	83	Sophia	57
Jaxon	80	Amelia	56

### Mortality

Oldest Male Decedent: 106  
 Oldest Female Decedent: 112  
 Number of Male Decedents 100 Yrs. & Older: 24  
 Number of Female Decedents 100 Yrs. & Older: 141  
 Day Most Deaths Occurred: January 23 - (90)  
 Day Fewest Deaths Occurred: June 26, July 19, August 14 & December 20 - (45)

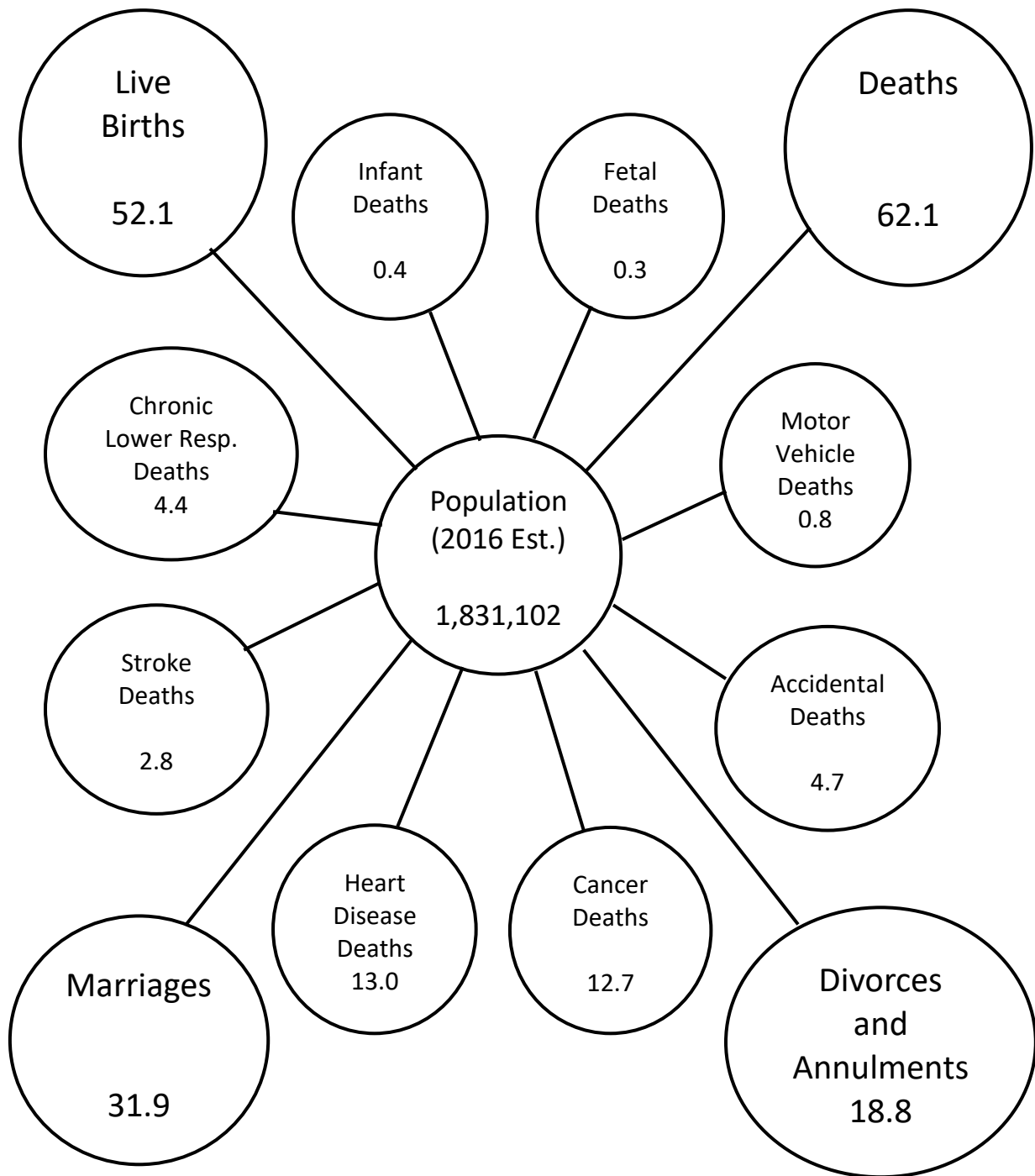
### Marriage (Male-Female Marriages Only)

Oldest Groom: 89  
 Youngest Groom: 16  
 Oldest Bride: 87  
 Youngest Bride: 16  
 Largest Age Difference with Bride Older: 32 Years  
 Largest Age Difference with Groom Older: 58 Years

### Divorce

Oldest Male Divorcé: 88  
 Youngest Male Divorcé: 18  
 Oldest Female Divorcée: 91  
 Youngest Female Divorcée: 17  
 Marriage of Longest Duration Ending in Divorce: 61 Years

# Average Day Statistics West Virginia, 2016



West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018





West Virginia Vital Statistics

# Population

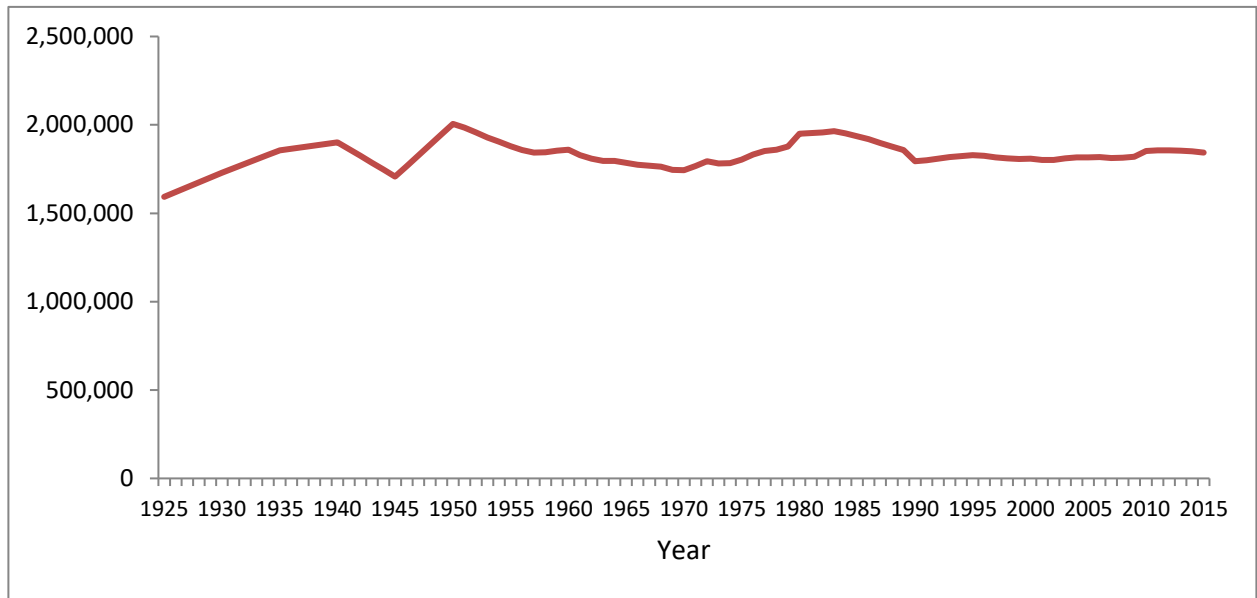
## Population Summary

In 2016, 3,651 West Virginians were lost to the total population as a result of resident deaths exceeding resident births. The U.S. Census Bureau shows an overall decrease (approximately 1.2%) in the state's population since 2010, from 1,852,994 to 1,831,102. This decrease is the result of a mostly natural decrease (excess of deaths over births) even though there has been a slight growth in the excess of immigration over outmigration during that span.

Even though there has been a decrease in the overall population from 2010 to 2016, one-fifth (11) of the state's 55 counties have shown an increase. Furthermore, less than one-third (9) 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 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, 1925-2016 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%
2015*	1,844,128	2010 to 2015	-0.5%
2016*	1,831,102	2015 to 2016	-0.7%

## West Virginia Population by County, 2015 and 2016

### Table 1

County	2015	2016	County	2015	2016
Barbour	16,704	16,831	Monongalia	104,236	104,622
Berkeley	111,901	113,525	Monroe	13,506	13,370
Boone	23,372	22,816	Morgan	17,524	17,632
Braxton	14,415	14,471	Nicholas	25,594	25,311
Brooke	23,350	22,977	Ohio	43,066	42,516
Cabell	96,844	95,987	Pendleton	7,229	7,051
Calhoun	7,470	7,336	Pleasants	7,674	7,591
Clay	8,910	8,859	Pocahontas	8,607	8,501
Doddridge	8,176	8,413	Preston	33,940	33,758
Fayette	44,997	44,323	Putnam	56,848	56,941
Gilmer	8,518	8,249	Raleigh	77,510	76,601
Grant	11,766	11,732	Randolph	29,126	29,006
Greenbrier	35,516	35,279	Ritchie	9,982	9,875
Hampshire	23,353	23,301	Roane	14,435	14,208
Hancock	29,815	29,590	Summers	13,239	12,872
Hardy	13,852	13,889	Taylor	16,912	16,859
Harrison	68,714	68,400	Tucker	6,966	6,926
Jackson	29,237	29,152	Tyler	8,975	8,972
Jefferson	56,482	56,368	Upshur	24,758	24,658
Kanawha	188,332	186,241	Wayne	40,971	40,531
Lewis	16,448	16,309	Webster	8,755	8,646
Lincoln	21,415	21,232	Wetzel	15,816	15,640
Logan	34,707	33,700	Wirt	5,880	5,806
McDowell	19,835	19,141	Wood	86,452	85,643
Marion	56,925	56,538	Wyoming	22,151	21,763
Marshall	31,978	31,793			
Mason	27,037	26,825			
Mercer	61,164	60,468	WV Total	1,844,128	1,831,102
Mineral	27,451	27,411			
Mingo	25,292	24,647			

West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2018  
 Population estimates are from the US Census Bureau <http://ww.census.gov>

West Virginia Population Characteristics, 2010 and 2016  
Distribution by Gender, Age and Race  
Table 2

Characteristic	2010 Census		2016 Estimate	
	Number	Percent	Number	Percent
<u>Total</u>	1,852,994	100.0%	1,831,102	100.0%
<u>Gender</u>				
Male	913,586	49.3%	905,943	49.5%
Female	939,408	50.7%	925,159	50.5%
<u>Age</u>				
Less than 5 Years	104,060	5.6%	101,019	5.5%
5-17 Years	283,358	15.3%	274,049	15.0%
18-44 Years	627,191	33.8%	603,468	33.0%
45-64 Years	540,981	29.2%	509,049	27.8%
65 Years and Older	297,404	16.0%	343,517	18.8%
<u>Race</u>				
White or Caucasian	1,739,988	93.9%	1,713,756	93.6%
Black or African American	63,124	3.4%	65,929	3.6%
Asian, Native Hawaiian and Other Pacific Islander	12,834	0.7%	15,976	0.9%
American Indian, Eskimo, Aleutian Islander and Alaska Native	3,787	0.2%	4,503	0.2%
All Other Races	33,261	1.8%	30,938	1.7%
<u>Hispanic Origin*</u>	22,268	1.2%	28,295	1.5%

\*May be of any race

2010 and 2016 Census Source: <http://www.census.gov>

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

Age Group Distribution by County  
West Virginia Population 2016 Estimate  
Table 3

Both Genders:

County	Less Than 5 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Barbour	880	1,910	2,639	1,807	1,907	2,182	2,340	1,874	923	369	16,831
Berkeley	7,250	15,241	13,103	15,754	15,006	16,420	14,813	10,379	4,181	1,378	113,525
Boone	1,191	2,870	2,528	2,329	3,131	3,079	3,544	2,568	1,174	402	22,816
Braxton	782	1,619	1,458	1,620	1,691	1,982	2,204	1,880	908	327	14,471
Brooke	959	2,281	3,047	2,261	2,532	2,967	3,707	2,882	1,589	752	22,977
Cabell	5,572	10,446	16,261	12,003	11,283	11,298	12,122	9,647	5,171	2,184	95,987
Calhoun	362	810	680	737	833	1,044	1,231	975	483	181	7,336
Clay	495	1,163	954	862	1,049	1,203	1,349	1,041	544	199	8,859
Doddridge	344	812	1,188	1,001	1,059	1,249	1,283	923	434	120	8,413
Fayette	2,604	5,005	4,839	4,907	5,539	5,762	6,838	5,190	2,578	1,061	44,323
Gilmer	315	644	1,467	1,242	1,167	1,088	985	717	432	192	8,249
Grant	606	1,250	1,247	1,175	1,276	1,678	1,720	1,628	841	311	11,732
Greenbrier	1,802	3,855	3,747	3,881	3,915	4,703	5,423	4,681	2,381	891	35,279
Hampshire	1,137	2,533	2,570	2,378	2,613	3,552	3,639	3,128	1,313	438	23,301
Hancock	1,426	3,254	3,023	3,113	3,531	4,104	4,855	3,511	1,912	861	29,590
Hardy	727	1,579	1,393	1,511	1,681	1,994	2,089	1,756	882	277	13,889
Harrison	3,947	8,286	7,566	8,275	8,486	9,291	9,846	7,274	3,750	1,679	68,400
Jackson	1,579	3,561	3,312	3,142	3,505	4,048	4,293	3,144	1,958	610	29,152
Jefferson	3,170	7,360	7,054	6,479	7,273	8,768	7,744	5,450	2,273	797	56,368
Kanawha	10,434	20,925	20,804	22,781	22,719	24,108	28,567	20,755	10,713	4,435	186,241
Lewis	961	1,834	1,730	1,851	2,022	2,288	2,365	1,939	963	356	16,309
Lincoln	1,268	2,693	2,269	2,240	2,681	3,014	3,130	2,399	1,221	317	21,232
Logan	1,880	3,802	3,622	3,741	4,553	4,381	5,356	3,927	1,863	575	33,700
McDowell	1,118	2,193	1,930	1,986	2,317	2,493	3,306	2,260	1,110	428	19,141
Marion	3,234	6,246	8,385	6,536	6,722	7,056	7,747	6,034	3,141	1,437	56,538
Marshall	1,678	3,486	3,465	3,484	3,728	4,270	5,100	3,944	1,829	809	31,793
Mason	1,420	3,233	2,855	3,046	3,303	3,540	4,209	3,007	1,631	581	26,825
Mercer	3,563	6,881	7,060	7,126	7,106	7,470	8,786	7,329	3,614	1,533	60,468
Mineral	1,506	3,027	3,443	3,069	2,997	3,799	3,910	3,429	1,693	538	27,411
Mingo	1,590	3,022	2,583	2,873	3,221	3,355	3,856	2,635	1,159	353	24,647

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System 2018

Source: <http://www.census.gov>

Age Group Distribution by County  
West Virginia Population 2016 Estimate  
Table 3 (Cont'd)

Both Genders:

County	Less Than 5 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Monongalia	5,549	9,110	24,875	18,627	12,249	11,038	11,278	7,194	3,174	1,528	104,622
Monroe	666	1,547	1,369	1,318	1,471	1,876	1,972	1,876	937	338	13,370
Morgan	769	1,783	1,934	1,674	1,939	2,677	2,901	2,350	1,214	391	17,632
Nicholas	1,365	2,948	2,567	2,804	2,984	3,426	3,910	3,224	1,586	497	25,311
Ohio	2,236	4,539	5,773	4,917	4,654	5,213	6,573	4,644	2,538	1,429	42,516
Pendleton	316	705	689	624	697	915	1,214	972	615	304	7,051
Pleasants	320	804	916	867	998	1,121	1,068	885	457	155	7,591
Pocahontas	390	828	793	921	920	1,187	1,447	1,201	624	190	8,501
Preston	1,785	3,656	3,478	4,558	4,405	4,730	4,908	3,729	1,832	677	33,758
Putnam	3,301	7,255	6,320	6,336	7,629	8,009	8,065	6,009	3,060	957	56,941
Raleigh	4,330	9,204	8,373	9,503	10,090	9,204	11,003	8,806	4,261	1,827	76,601
Randolph	1,577	2,980	3,416	3,487	3,350	3,923	4,243	3,568	1,745	717	29,006
Ritchie	490	1,163	1,012	987	1,119	1,458	1,559	1,225	643	219	9,875
Roane	754	1,727	1,473	1,384	1,710	1,918	2,287	1,751	893	311	14,208
Summers	492	1,273	1,191	1,397	1,643	1,803	2,140	1,714	869	350	12,872
Taylor	845	1,944	1,696	2,082	2,144	2,474	2,476	1,886	928	384	16,859
Tucker	333	615	715	715	761	1,033	1,079	1,008	495	172	6,926
Tyler	486	962	939	901	1,000	1,312	1,472	1,091	584	225	8,972
Upshur	1,427	2,863	3,472	2,831	2,752	3,132	3,410	2,823	1,471	477	24,658
Wayne	2,124	4,789	4,656	4,521	5,016	5,648	5,849	4,683	2,356	889	40,531
Webster	461	982	908	803	971	1,200	1,391	1,196	529	205	8,646
Wetzel	852	1,691	1,771	1,601	1,697	2,194	2,330	1,983	1,167	354	15,640
Wirt	303	705	586	623	657	831	994	684	340	83	5,806
Wood	4,902	10,093	9,606	9,986	10,301	11,828	12,457	9,546	5,053	1,871	85,643
Wyoming	1,146	2,613	2,334	2,323	2,830	2,807	3,523	2,673	1,133	381	21,763
WV Total	101,019	208,600	227,084	219,000	222,833	243,143	265,906	203,027	101,168	39,322	1,831,102

West Virginia Bureau for Public Health  
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Source: <http://www.census.gov>

Age Group Distribution by County  
West Virginia Population 2016 Estimate  
Table 3 (Cont'd)

Males:

County	Less Than 5 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Barbour	442	988	1,255	899	927	1,083	1,135	922	442	125	8,218
Berkeley	3,746	7,718	6,610	7,759	7,352	8,206	7,364	5,001	1,926	543	56,225
Boone	622	1,504	1,345	1,153	1,550	1,521	1,717	1,259	518	133	11,322
Braxton	412	820	743	871	852	1,011	1,104	942	458	105	7,318
Brooke	486	1,182	1,580	1,186	1,258	1,495	1,819	1,357	679	245	11,287
Cabell	2,881	5,434	8,032	6,241	5,717	5,630	5,797	4,500	2,108	689	47,029
Calhoun	176	397	335	363	430	510	625	514	229	69	3,648
Clay	266	611	488	432	511	582	695	537	276	72	4,470
Doddridge	172	434	757	600	612	705	652	457	228	61	4,678
Fayette	1,322	2,574	2,640	2,577	2,896	2,959	3,392	2,534	1,075	345	22,314
Gilmer	164	335	844	920	803	698	520	361	194	61	4,900
Grant	323	633	654	607	649	818	863	794	410	106	5,857
Greenbrier	922	1,931	1,984	1,913	1,888	2,315	2,632	2,271	1,025	314	17,195
Hampshire	590	1,310	1,370	1,219	1,297	1,832	1,832	1,588	646	166	11,850
Hancock	757	1,693	1,558	1,583	1,745	2,067	2,336	1,684	772	282	14,477
Hardy	353	824	721	801	838	1,015	1,040	861	417	107	6,977
Harrison	2,047	4,302	3,838	4,090	4,263	4,613	4,854	3,395	1,552	564	33,518
Jackson	795	1,905	1,733	1,596	1,751	1,948	2,125	1,510	862	237	14,462
Jefferson	1,668	3,767	3,583	3,171	3,625	4,356	3,774	2,664	1,027	308	27,943
Kanawha	5,234	10,571	10,589	11,383	11,230	11,783	13,542	9,565	4,305	1,559	89,761
Lewis	491	929	904	915	1,069	1,130	1,181	933	430	148	8,130
Lincoln	629	1,405	1,157	1,127	1,316	1,554	1,494	1,193	587	118	10,580
Logan	939	1,980	1,841	1,908	2,327	2,168	2,613	1,866	728	222	16,592
McDowell	561	1,136	992	968	1,172	1,194	1,583	1,158	476	142	9,382
Marion	1,634	3,214	4,299	3,340	3,354	3,515	3,841	2,834	1,351	504	27,886
Marshall	901	1,739	1,777	1,818	1,931	2,119	2,527	1,870	766	288	15,736
Mason	775	1,655	1,496	1,366	1,546	1,719	2,021	1,460	706	200	12,944
Mercer	1,818	3,511	3,565	3,464	3,452	3,610	4,042	3,424	1,531	469	28,886
Mineral	756	1,623	1,823	1,567	1,510	1,898	1,839	1,633	765	211	13,625
Mingo	822	1,584	1,341	1,380	1,597	1,651	1,846	1,316	499	126	12,162

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Source: <http://www.census.gov>



Age Group Distribution by County  
West Virginia Population 2016 Estimate  
Table 3 (Cont'd)

Males:

County	Less Than 5 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Monongalia	2,843	4,677	13,038	10,245	6,614	5,560	5,548	3,478	1,376	520	53,899
Monroe	357	794	719	669	732	923	970	911	437	131	6,643
Morgan	384	914	999	860	957	1,373	1,429	1,126	588	155	8,785
Nicholas	698	1,529	1,319	1,434	1,453	1,668	1,876	1,630	722	171	12,500
Ohio	1,142	2,321	2,882	2,524	2,326	2,549	3,177	2,189	996	413	20,519
Pendleton	149	370	363	317	377	470	600	486	297	138	3,567
Pleasants	166	426	512	528	575	629	544	452	200	56	4,088
Pocahontas	210	395	428	501	492	618	741	627	311	53	4,376
Preston	930	1,887	1,797	2,498	2,400	2,483	2,473	1,854	833	234	17,389
Putnam	1,731	3,664	3,258	3,157	3,716	3,939	3,931	2,847	1,343	334	27,920
Raleigh	2,205	4,706	4,424	5,174	5,241	4,735	5,299	4,214	1,820	625	38,443
Randolph	792	1,551	1,885	1,976	1,801	2,090	2,130	1,732	803	247	15,007
Ritchie	238	608	534	497	553	743	804	603	298	73	4,951
Roane	369	869	782	697	850	953	1,131	868	416	93	7,028
Summers	231	643	567	523	694	780	1,015	849	373	140	5,815
Taylor	433	1,020	892	1,119	1,109	1,267	1,237	953	406	129	8,565
Tucker	180	310	397	356	391	511	550	499	247	68	3,509
Tyler	256	478	474	460	497	686	715	559	247	100	4,472
Upshur	735	1,429	1,700	1,406	1,425	1,563	1,683	1,414	684	182	12,221
Wayne	1,057	2,428	2,397	2,174	2,432	2,758	2,828	2,235	1,082	322	19,713
Webster	224	506	486	403	475	595	696	601	239	66	4,291
Wetzel	427	860	929	839	827	1,079	1,164	943	540	113	7,721
Wirt	157	382	303	301	333	401	510	362	177	31	2,957
Wood	2,523	5,056	4,857	4,899	5,138	5,812	5,938	4,473	2,177	585	41,458
Wyoming	587	1,299	1,208	1,148	1,391	1,360	1,751	1,338	513	139	10,734
WV Total	51,728	106,831	117,004	111,922	112,267	121,250	129,545	97,646	44,113	13,637	905,943

West Virginia Bureau for Public Health  
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Source: <http://www.census.gov>

Age Group Distribution by County  
West Virginia Population 2016 Estimate  
Table 3 (Cont'd)

Females:

County	Less Than 5 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Barbour	438	922	1,384	908	980	1,099	1,205	952	481	244	8,613
Berkeley	3,504	7,523	6,493	7,995	7,654	8,214	7,449	5,378	2,255	835	57,300
Boone	569	1,366	1,183	1,176	1,581	1,558	1,827	1,309	656	269	11,494
Braxton	370	799	715	749	839	971	1,100	938	450	222	7,153
Brooke	473	1,099	1,467	1,075	1,274	1,472	1,888	1,525	910	507	11,690
Cabell	2,691	5,012	8,229	5,762	5,566	5,668	6,325	5,147	3,063	1,495	48,958
Calhoun	186	413	345	374	403	534	606	461	254	112	3,688
Clay	229	552	466	430	538	621	654	504	268	127	4,389
Doddridge	172	378	431	401	447	544	631	466	206	59	3,735
Fayette	1,282	2,431	2,199	2,330	2,643	2,803	3,446	2,656	1,503	716	22,009
Gilmer	151	309	623	322	364	390	465	356	238	131	3,349
Grant	283	617	593	568	627	860	857	834	431	205	5,875
Greenbrier	880	1,924	1,763	1,968	2,027	2,388	2,791	2,410	1,356	577	18,084
Hampshire	547	1,223	1,200	1,159	1,316	1,720	1,807	1,540	667	272	11,451
Hancock	669	1,561	1,465	1,530	1,786	2,037	2,519	1,827	1,140	579	15,113
Hardy	374	755	672	710	843	979	1,049	895	465	170	6,912
Harrison	1,900	3,984	3,728	4,185	4,223	4,678	4,992	3,879	2,198	1,115	34,882
Jackson	784	1,656	1,579	1,546	1,754	2,100	2,168	1,634	1,096	373	14,690
Jefferson	1,502	3,593	3,471	3,308	3,648	4,412	3,970	2,786	1,246	489	28,425
Kanawha	5,200	10,354	10,215	11,398	11,489	12,325	15,025	11,190	6,408	2,876	96,480
Lewis	470	905	826	936	953	1,158	1,184	1,006	533	208	8,179
Lincoln	639	1,288	1,112	1,113	1,365	1,460	1,636	1,206	634	199	10,652
Logan	941	1,822	1,781	1,833	2,226	2,213	2,743	2,061	1,135	353	17,108
McDowell	557	1,057	938	1,018	1,145	1,299	1,723	1,102	634	286	9,759
Marion	1,600	3,032	4,086	3,196	3,368	3,541	3,906	3,200	1,790	933	28,652
Marshall	777	1,747	1,688	1,666	1,797	2,151	2,573	2,074	1,063	521	16,057
Mason	645	1,578	1,359	1,680	1,757	1,821	2,188	1,547	925	381	13,881
Mercer	1,745	3,370	3,495	3,662	3,654	3,860	4,744	3,905	2,083	1,064	31,582
Mineral	750	1,404	1,620	1,502	1,487	1,901	2,071	1,796	928	327	13,786
Mingo	768	1,438	1,242	1,493	1,624	1,704	2,010	1,319	660	227	12,485

Age Group Distribution by County  
West Virginia Population 2016 Estimate  
Table 3 (Cont'd)

Females:

County	Less Than 5 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Monongalia	2,706	4,433	11,837	8,382	5,635	5,478	5,730	3,716	1,798	1,008	50,723
Monroe	309	753	650	649	739	953	1,002	965	500	207	6,727
Morgan	385	869	935	814	982	1,304	1,472	1,224	626	236	8,847
Nicholas	667	1,419	1,248	1,370	1,531	1,758	2,034	1,594	864	326	12,811
Ohio	1,094	2,218	2,891	2,393	2,328	2,664	3,396	2,455	1,542	1,016	21,997
Pendleton	167	335	326	307	320	445	614	486	318	166	3,484
Pleasants	154	378	404	339	423	492	524	433	257	99	3,503
Pocahontas	180	433	365	420	428	569	706	574	313	137	4,125
Preston	855	1,769	1,681	2,060	2,005	2,247	2,435	1,875	999	443	16,369
Putnam	1,570	3,591	3,062	3,179	3,913	4,070	4,134	3,162	1,717	623	29,021
Raleigh	2,125	4,498	3,949	4,329	4,849	4,469	5,704	4,592	2,441	1,202	38,158
Randolph	785	1,429	1,531	1,511	1,549	1,833	2,113	1,836	942	470	13,999
Ritchie	252	555	478	490	566	715	755	622	345	146	4,924
Roane	385	858	691	687	860	965	1,156	883	477	218	7,180
Summers	261	630	624	874	949	1,023	1,125	865	496	210	7,057
Taylor	412	924	804	963	1,035	1,207	1,239	933	522	255	8,294
Tucker	153	305	318	359	370	522	529	509	248	104	3,417
Tyler	230	484	465	441	503	626	757	532	337	125	4,500
Upshur	692	1,434	1,772	1,425	1,327	1,569	1,727	1,409	787	295	12,437
Wayne	1,067	2,361	2,259	2,347	2,584	2,890	3,021	2,448	1,274	567	20,818
Webster	237	476	422	400	496	605	695	595	290	139	4,355
Wetzel	425	831	842	762	870	1,115	1,166	1,040	627	241	7,919
Wirt	146	323	283	322	324	430	484	322	163	52	2,849
Wood	2,379	5,037	4,749	5,087	5,163	6,016	6,519	5,073	2,876	1,286	44,185
Wyoming	559	1,314	1,126	1,175	1,439	1,447	1,772	1,335	620	242	11,029
WV Total	49,291	101,769	110,080	107,078	110,566	121,893	136,361	105,381	57,055	25,685	925,159

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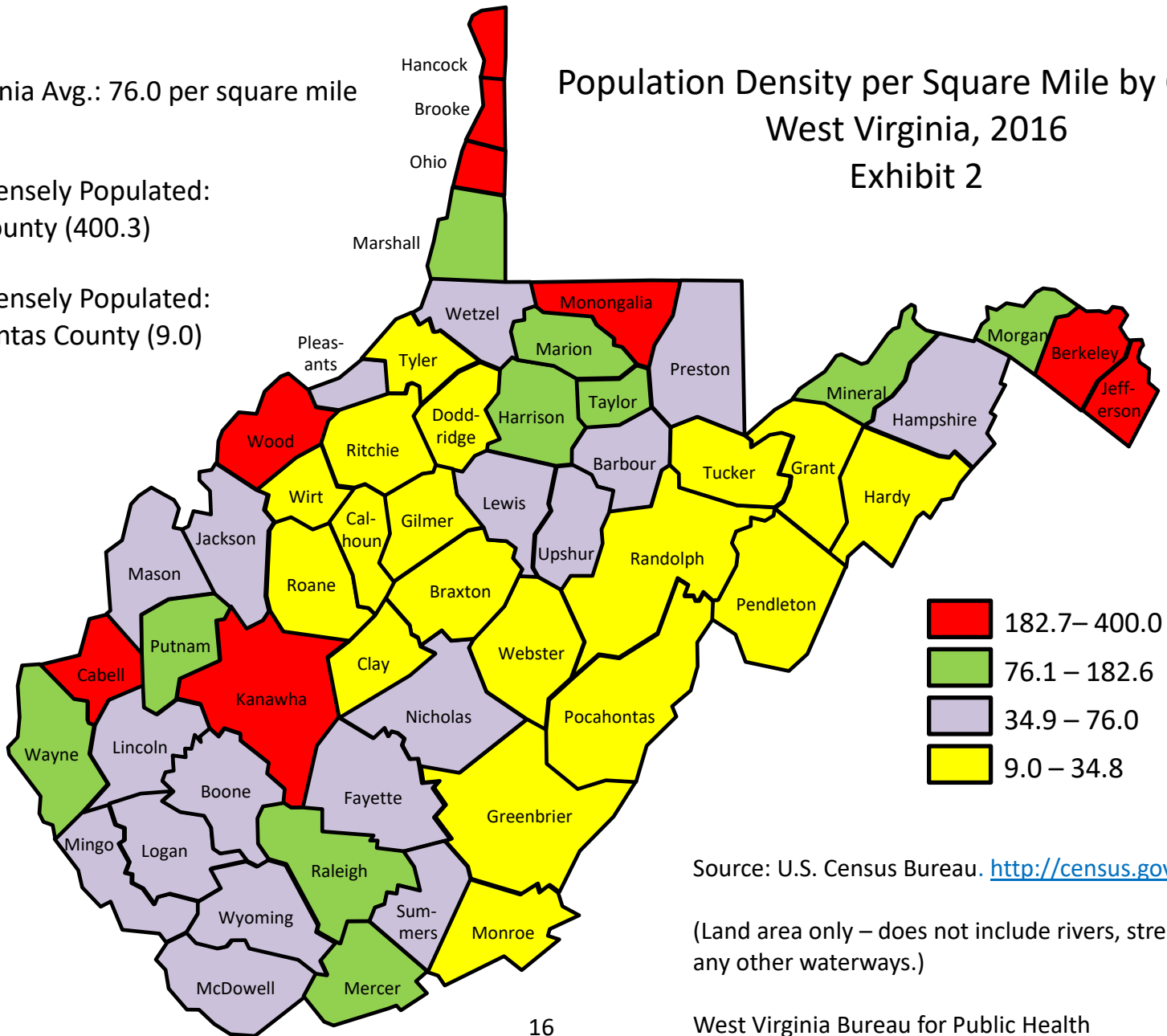
Source: <http://www.census.gov>

West Virginia Avg.: 76.0 per square mile

Most Densely Populated:  
Ohio County (400.3)

Least Densely Populated:  
Pocahontas County (9.0)

## Population Density per Square Mile by County West Virginia, 2016 Exhibit 2



Source: U.S. Census Bureau. <http://census.gov/>

(Land area only – does not include rivers, streams, or any other waterways.)

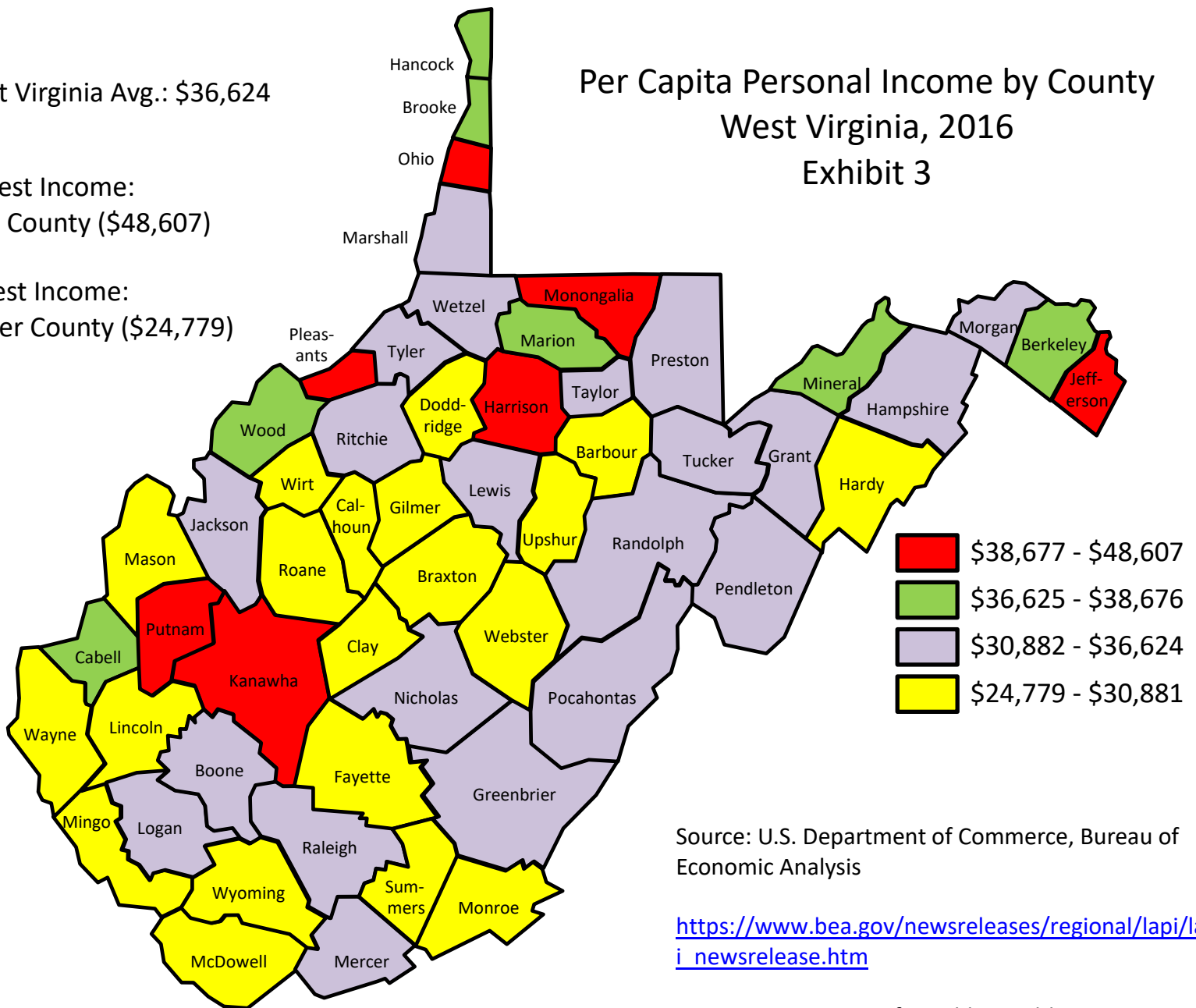
West Virginia Bureau for Public Health  
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## Per Capita Personal Income by County West Virginia, 2016 Exhibit 3

West Virginia Avg.: \$36,624

Highest Income:  
Ohio County (\$48,607)

Lowest Income:  
Gilmer County (\$24,779)



Source: U.S. Department of Commerce, Bureau of Economic Analysis

[https://www.bea.gov/newsreleases/regional/lapi/lapi\\_newsrelease.htm](https://www.bea.gov/newsreleases/regional/lapi/lapi_newsrelease.htm)

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

**Births, Deaths, Natural Increase or Decrease and Net Migration  
West Virginia Population, 1975-2016**

**Table 4**

Year	Population	Number of Births	Number of Deaths	Natural Increase or Decrease	Net Migration (+ or -)	Percent Change (%)
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 - b	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 - c	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 - d	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 - e	1,855,364	20,705	21,870	(1,165)	3,535	0.13%
2012 - f	1,855,413	20,813	21,586	(773)	822	0.00%
2013 - g	1,854,304	20,829	21,846	(1,017)	(92)	-0.06%
2014 - h	1,850,326	20,303	22,164	(1,861)	(2,117)	-0.21%
2015 - i	1,844,128	19,778	22,643	(2,865)	(3,333)	-0.33%
2016 - j	1,831,102	19,070	22,721	(3,651)	(9,375)	-0.71%

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

b. Source of population data 1971 through 1989: U.S. Department of Commerce, Bureau of the Census,

[Current Population Reports, Series P-25 and P-26.](#)

c. Source of population data 1991 through 1999: Regional Research Institute, WVU and U.S. Bureau of the Census.

d. 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)

e. 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)

f. Source of population data 2012: [http://www.census.gov/popest/counties/CO-EST2012-popchg2010\\_2012.html](http://www.census.gov/popest/counties/CO-EST2012-popchg2010_2012.html)

g. Source of population data 2013: [http://www.census.gov/popest/counties/CO-EST2013-popchg2010\\_2013.html](http://www.census.gov/popest/counties/CO-EST2013-popchg2010_2013.html)

h. Source of population data 2014: [http://www.census.gov/popest/counties/CO-EST2014-popchg2010\\_2014.html](http://www.census.gov/popest/counties/CO-EST2014-popchg2010_2014.html)

i. Source of population data 2015: [http://www.census.gov/popest/counties/CO-EST2015-popchg2010\\_2015.html](http://www.census.gov/popest/counties/CO-EST2015-popchg2010_2015.html)

j. Source of population data 2016: [http://www.census.gov/popest/counties/CO-EST2016-popchg2010\\_2016.html](http://www.census.gov/popest/counties/CO-EST2016-popchg2010_2016.html)

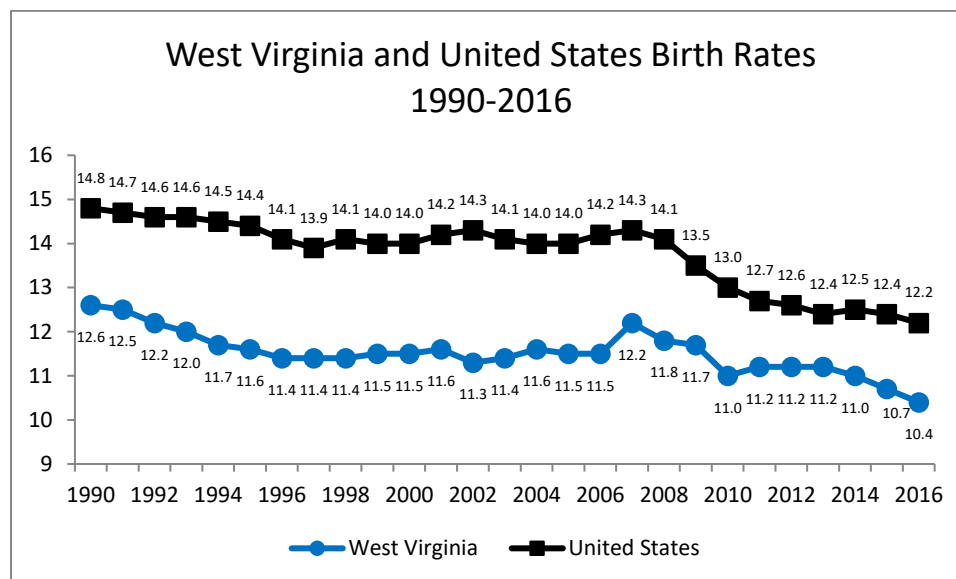
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West Virginia Vital Statistics  
**Births**

## Birth Summary

West Virginia's resident live births decreased by 708 or 3.6%, from 19,778 in 2015 to 19,070 in 2016. This is the second year in a row where births are below 20,000. The 2016 birth rate also decreased 2.8% from 10.7 per 1,000 population in 2015 to 10.4. The U.S. 2016 birth rate was 12.2 live births per 1,000 population, decreasing 1.6% from the 2015 rate of 12.4. 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, decreased 2008-2010 and 2012-2016 with a slight increase in 2007 and 2011.



The 2016 U.S. fertility rate of 62.0 live births per 1,000 women aged 15-44 was higher (3.9%) than the 2015 rate (59.7). West Virginia's fertility rate decreased 1.0%, from 58.8 in 2015 to 58.2 in 2016. A comparison of West Virginia and U.S. age-specific fertility rates is displayed below.

Fertility Rates* by Age Group West Virginia and United States, 2016					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
29.1	20.3	63.5	69.9	58.2	62.0

\*All fertility rates were calculated using 2016 estimated population, U.S. Department of Commerce, Bureau of the Census.

\*\*National Center for Health Statistics, [http://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67\\_01.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_01.pdf)

The fertility rate among women aged 15-19 in West Virginia was 35.6% higher than that among young women in the U.S. (29.1 vs. 20.3). The fertility rate among women aged 20-44 was lower by 9.6% in the state than in the nation (63.5 vs. 69.9).



The number of births to teen mothers (ages 10-19) decreased by 156 (9.1%), from 1,716 in 2015 to 1,560 in 2016. This is the third year in a row where teen births have been below 2,000. The percentage of total births represented by teen births also decreased from 8.7% in 2015 to 8.2% in 2016. 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 (5.4% in 2016).

The percentage of births occurring out of wedlock increased from 2015 to 2016. More than two of every five (44.8%) West Virginia resident births were to unwed mothers, compared to 43.4% in 2015. The percentages of white and black births that occurred out of wedlock in West Virginia in 2016 were 43.9% and 69.1%, respectively, compared to 42.4% and 73.2% in 2015. In the U.S. in 2016, 28.5% of births to white mothers (non-Hispanic) and 64.4% of births to black mothers (non-Hispanic) occurred out of wedlock. The percentage of teen births to unmarried teen mothers in the state increased from 84.3% in 2015 to 88.1% in 2016.

There was a total of 1,838 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2016, 9.7% of all births. Of the 1,838 low birthweight infants, 1,262 or 68.9% were preterm babies born before 37 weeks of gestation. (Of all 2016 resident births with a known gestational age, 11.8% were preterm babies.) In 2016, 9.6% of babies born to white mothers and 14.2% of babies born to black mothers were low birthweight. Nationally, 8.4% of all infants weighed less than 2,500 grams at birth in 2016; 7.0% of births to white mothers (non-Hispanic) and 13.7% of births to black mothers (non-Hispanic) were of low birthweight.

In 2016, 79.5% of West Virginia mothers with known prenatal care began their care during the first trimester of pregnancy, compared with 77.1% of mothers nationwide in 2016. Among those with known prenatal care, 79.3% of white mothers began care during the first trimester; 66.8% of black mothers did so. (U.S. figures show that 82.3% of white, non-Hispanic mothers and 66.5% of black, non-Hispanic mothers had first trimester care.) No prenatal care was received by 1.3% of white mothers and 2.5% of black mothers.

Slightly over one-fourth (25.4%) of the births in 2016 were to mothers who smoked during their pregnancies. National figures from 2015 show that 7.2% of women giving birth reported smoking during pregnancy. Among the state mothers who reported smoking during pregnancy, 15.3% of the babies born were low birthweight, compared with 7.7% among non-smoking mothers. More than one-third (34.8%) of 2016 state births were delivered by Cesarean section, compared with a national rate of 31.9%. One or more medical risk factors were reported in 41.5% of the state resident births in 2016. Maternal drug use during pregnancy was reported in 7.7% of all resident births in 2016 while one or more complications of labor and/or delivery were reported for 34.2% of the state resident births.

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 South Carolina, 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 South Carolina occurrence.

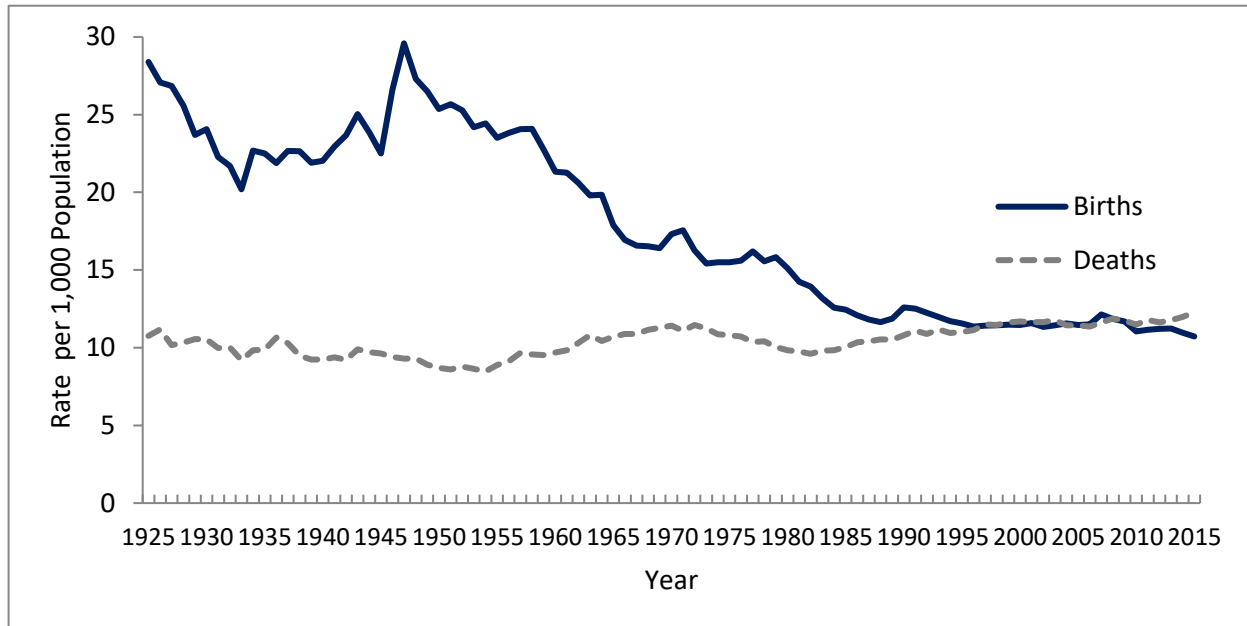
Data structure for births changed extensively beginning in 2014. Date prenatal care began is now determined by the date of mother's first prenatal visit compared to when she gave birth. In fact, some reported their prenatal care beginning before she became pregnant (which is still recorded as the first trimester in all applicable tables in this publication). Some medical risk factors were removed but two that were added have become notable. A mother having a previous cesarean section is now recorded as a medical risk factor but still is reported in this publication's applicable tables on method of delivery. Maternal drug use during pregnancy has been added to the medical risk factors. While complications of labor and/or delivery were previously all in one field, it is now a combination of select factors in three different fields: onset of labor, characteristics of labor and/or delivery, and maternal morbidity.

Maternal smoking during pregnancy was previously self-reported. A mother was asked if she smoked during the pregnancy and if so, was asked the average number per day. Maternal smoking is now broken down by trimester to how often she smoked in her first three months of pregnancy, middle three months and last three months. It also asks if she smoked any during the three months before pregnancy, but it is not a considerable factor on the maternal smoking tables in this publication.

There is more diversity in determining the race of the mother and/or father. The new structure allows more options and the ability to accurately report more than one race. The mother's marital status not only asks if the mother was married at any time during her pregnancy, but it also asks if she had ever been married. The mother's and/or father's education was asked previously by the number of years they were educated with 12 years being a high school graduate for example. It is now broken down into factors such as 9<sup>th</sup> – 12<sup>th</sup> grade with no diploma, high school graduate, some college credit but no degree, etc.

Number and Rate of Resident Births (Compared to Deaths)  
West Virginia, 1925-2016

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
2012	20,813	11.2	21,586	11.6
2013	20,829	11.2	21,856	11.8
2014	20,303	11.0	22,164	12.0
2015	19,778	10.7	22,643	12.3
2016	19,070	10.4	22,721	12.4

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Summary Totals  
West Virginia Resident Births, 2016  
Table 5

Characteristic	Number	Percent	Characteristic	Number	Percent
Total	19,070	100.0%	Mother's Marital Status		
Gender			White or Caucasian		
Male	9,653	50.6%	Married	9,988	56.1%
Female	9,417	49.4%	Not Married	7,826	43.9%
Unknown	0		Unknown	12	
Race of Mother			Black or African American		
White or Caucasian	17,826	93.6%	Married	188	30.9%
Black or African American	608	3.2%	Not Married	420	69.1%
All Other Races	621	3.3%	Unknown	0	
Unknown	15		All Other Races		
Attendant at Birth			Married	336	54.1%
Physician	17,667	92.7%	Not Married	285	45.9%
Certified Nurse Midwife	1,213	6.4%	Unknown	0	
Direct Entry Midwife	41	0.2%	Unknown		
Lay Midwife	72	0.4%	Married	0	0.0%
EMT/Paramedic	0	0.0%	Not Married	2	100.0%
Other	55	0.3%	Unknown	13	
Unknown	22		Method of Delivery		
Place of Birth			Vaginal	12,174	63.9%
Hospital	18,945	99.3%	Vaginal after Previous Cesarean Section	245	1.3%
Home	87	0.5%	Cesarean Section	6,643	34.8%
Freestanding Birthing Center	11	0.1%	Primary	3,827	20.1%
En Route to Hospital	15	0.1%	Repeat	2,816	14.8%
Clinic or Center	0	0.0%	One or More Reported Factors		
Other Specified Address (Not Home)	11	0.1%	Medical Risk Factors	7,919	41.5%
Unknown	1		Complications of Labor and/or Delivery	6,516	34.2%
Mother's Smoking Status			Congenital Malformations	222	1.2%
Smoked During Pregnancy	4,833	25.4%	Abnormal Conditions of the Newborn	2,831	14.8%

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Percentages are calculated excluding unknown.

Birthweight by Age of Mother  
West Virginia Resident Births, 2016  
Table 6

Birthweight	Age of Mother										Total
	10-14 Years	15-17 Years	18-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 and Over	Unknown	
Less than 1,000 Grams (Less than 2.205 lbs.)	1	4	9	34	30	16	17	4	1	0	116
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	0	4	11	39	45	40	13	5	0	0	157
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	6	21	85	97	97	38	7	6	0	357
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	1	21	72	361	304	282	130	29	8	0	1,208
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	4	79	237	1,143	1,112	717	306	66	19	0	3,683
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	6	143	481	2,103	2,239	1,491	597	94	17	0	7,171
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	4	91	278	1,392	1,554	1,095	450	63	6	0	4,933
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	0	20	55	307	403	291	124	16	3	0	1,219
4,500 or more Grams (9.921 or more lbs.)	0	2	7	33	79	44	30	5	2	0	202
Unknown	0	2	1	6	6	4	4	1	0	0	24
Total	16	372	1,172	5,503	5,869	4,077	1,709	290	62	0	19,070

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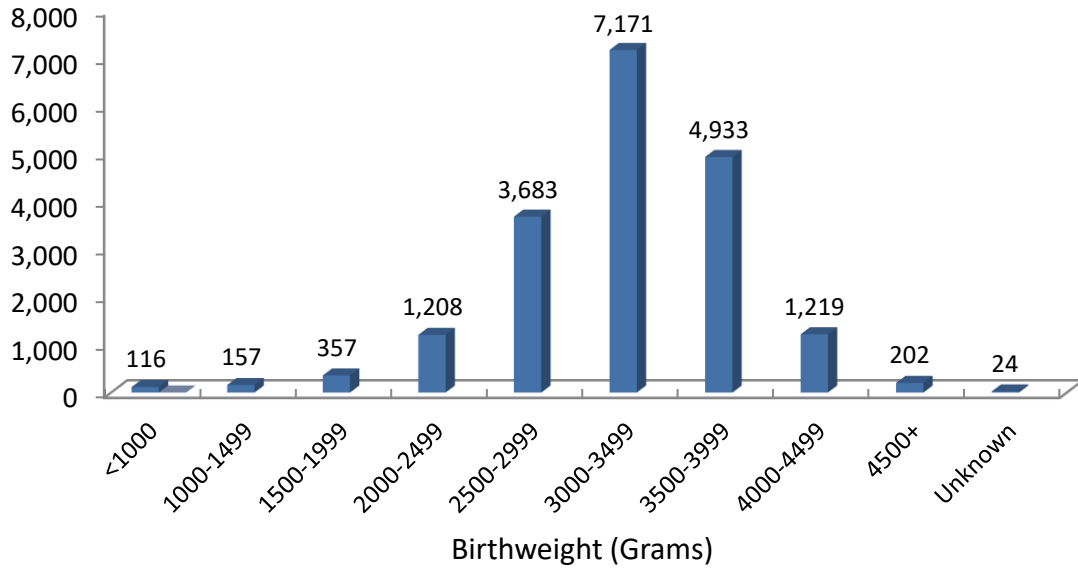
Selected Factors by Birthweight of Infant  
West Virginia Resident Births, 2016  
Table 7

Factor	Very Low Birthweight <1,500 Grams		Moderately Low Birthweight 1,500-2,499 Grams		Normal Birthweight 2,500+ Grams		Unknown Birthweight	Total
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Number
Total Births	273	1.4%	1,565	8.2%	17,208	90.3%	24	19,070
Maternal Age								
< 20 Years	29	1.9%	121	7.8%	1,407	90.4%	3	1,560
< 15 Years	1	6.3%	1	6.3%	14	87.5%	0	16
Maternal Race								
White or Caucasian	254	1.4%	1,451	8.1%	16,100	90.4%	21	17,826
Black or African American	16	2.6%	70	11.6%	520	85.8%	2	608
All Other Races	3	0.5%	40	6.5%	577	93.1%	1	621
Unknown	0	0.0%	4	26.7%	11	73.3%	0	15
Entry Into Prenatal Care								
First Trimester	185	1.2%	1,093	7.3%	13,763	91.5%	6	15,047
Second Trimester	43	1.5%	298	10.5%	2,509	88.0%	1	2,851
Third Trimester	4	0.5%	58	7.7%	690	91.8%	15	767
No Prenatal Care	26	10.1%	88	34.2%	143	55.6%	2	259
Unknown	15	10.3%	28	19.2%	103	70.5%	0	146
Gestational Age								
< 32 Weeks	230	75.9%	66	21.8%	7	2.3%	4	307
32-36 Weeks	41	2.1%	925	47.6%	979	50.3%	3	1,948
37-38 Weeks	0	0.0%	458	8.5%	4,957	91.5%	1	5,416
39+ Weeks	2	0.0%	115	1.0%	11,258	99.0%	2	11,377
Unknown	0	0.0%	1	12.5%	7	87.5%	14	22
Mother's Education Level								
8th Grade or Less	8	3.8%	20	9.4%	184	86.8%	0	212
9th-12th Grade, No Diploma	45	1.8%	293	12.0%	2,110	86.2%	7	2,455
High School Graduate or GED Completed	104	1.7%	528	8.8%	5,361	89.5%	6	5,999
Some College Credit but No Degree	57	1.4%	309	7.4%	3,834	91.3%	2	4,202
Associate Degree	19	1.0%	139	7.4%	1,722	91.6%	2	1,882
Bachelor's Degree	19	0.7%	183	6.7%	2,520	92.6%	4	2,726
Master's Degree	14	1.2%	64	5.5%	1,081	93.3%	1	1,160
Doctorate or Professional Degree	7	1.8%	24	6.1%	363	92.1%	0	394
Unknown	0	0.0%	5	13.2%	33	86.8%	2	40
Mother's Marital Status								
Married	126	1.2%	744	7.1%	9,628	91.7%	14	10,512
Not Married	147	1.7%	816	9.6%	7,560	88.7%	10	8,533
Unknown	0	0.0%	5	20.0%	20	80.0%	0	25

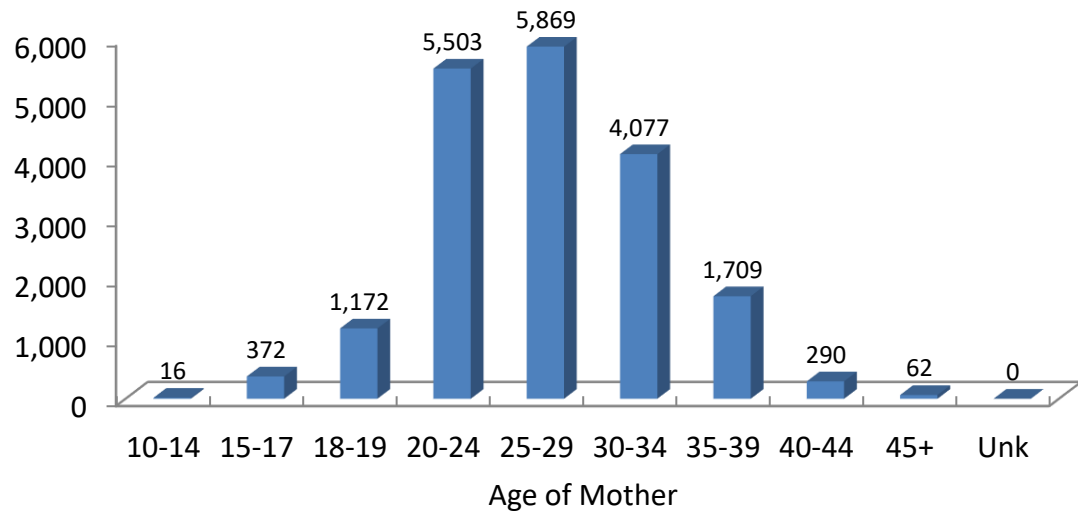
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\*Percentages are calculated excluding unknown birthweight.

**Birthweight in Grams\***  
**West Virginia Resident Births, 2016**  
**Exhibit 5**



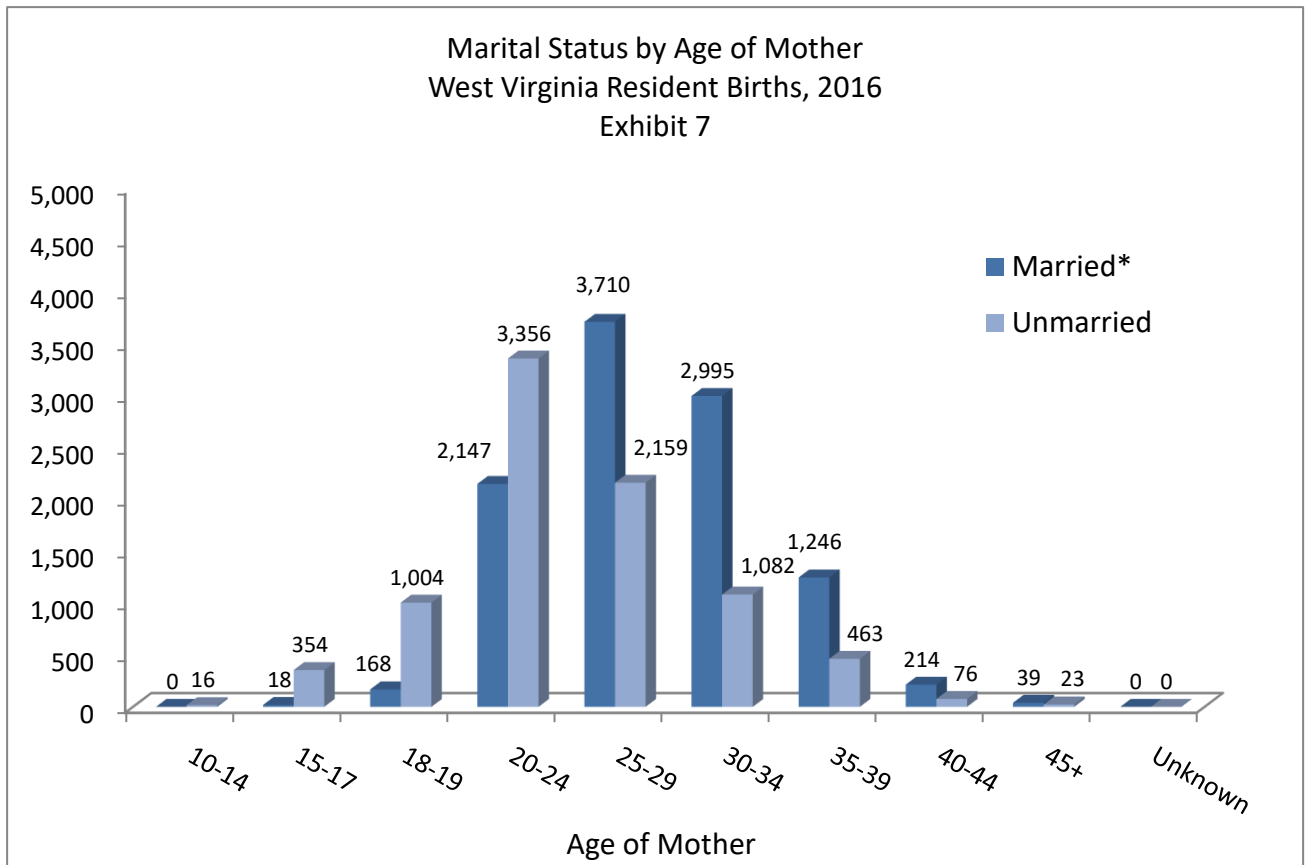
**Age of Mother**  
**West Virginia Resident Births, 2016**  
**Exhibit 6**



\*See Appendix C, page 171 for grams/pounds conversion.  
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**Marital Status by Age of Mother**  
**West Virginia Resident Births, 2012-2016**  
**Table 8**

Age of Mother	2012		2013		2014		2015		2016	
	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married
10-14	0	24	1	20	0	25	0	10	0	16
15-17	58	584	31	509	27	474	22	374	18	354
18-19	354	1,392	334	1,278	269	1,185	247	1,063	168	1,004
20-24	2,585	3,723	2,616	3,915	2,479	3,701	2,391	3,512	2,147	3,356
25-29	3,961	2,035	3,951	2,005	3,903	2,047	3,933	2,073	3,710	2,159
30-34	3,141	1,014	3,144	1,067	3,009	1,036	3,033	1,005	2,995	1,082
35-39	1,168	388	1,161	426	1,358	398	1,274	432	1,246	463
40-44	220	92	184	105	219	89	265	85	214	76
45+	26	47	28	50	54	29	37	22	39	23
Unknown	0	1	1	3	1	0	0	0	0	0
<b>WV Total</b>	<b>11,513</b>	<b>9,300</b>	<b>11,451</b>	<b>9,378</b>	<b>11,319</b>	<b>8,984</b>	<b>11,202</b>	<b>8,576</b>	<b>10,537</b>	<b>8,533</b>

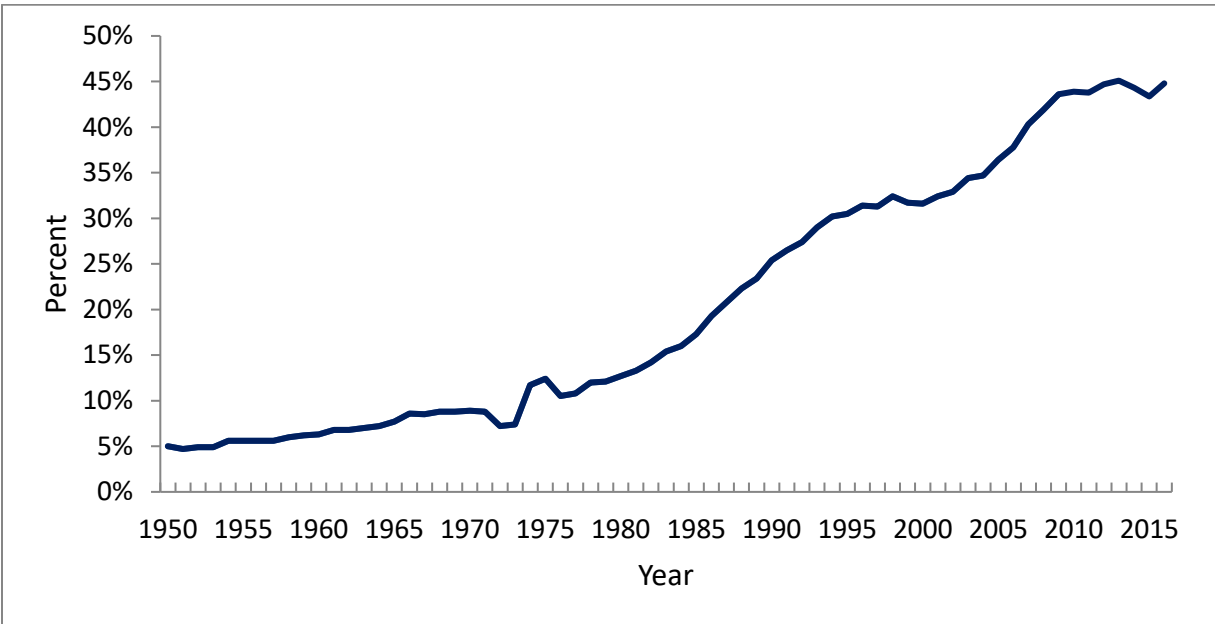


\*Includes unknown marital status: 2012 – 15; 2013 – 19; 2014 – 23; 2015 – 33; 2016 - 25  
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Percent of Births to Unmarried Mothers  
West Virginia Residents, 1950-2016

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%
2012	9,300	44.7%
2013	9,378	45.1%
2014	8,984	44.3%
2015	8,576	43.4%
2016	8,533	44.8%

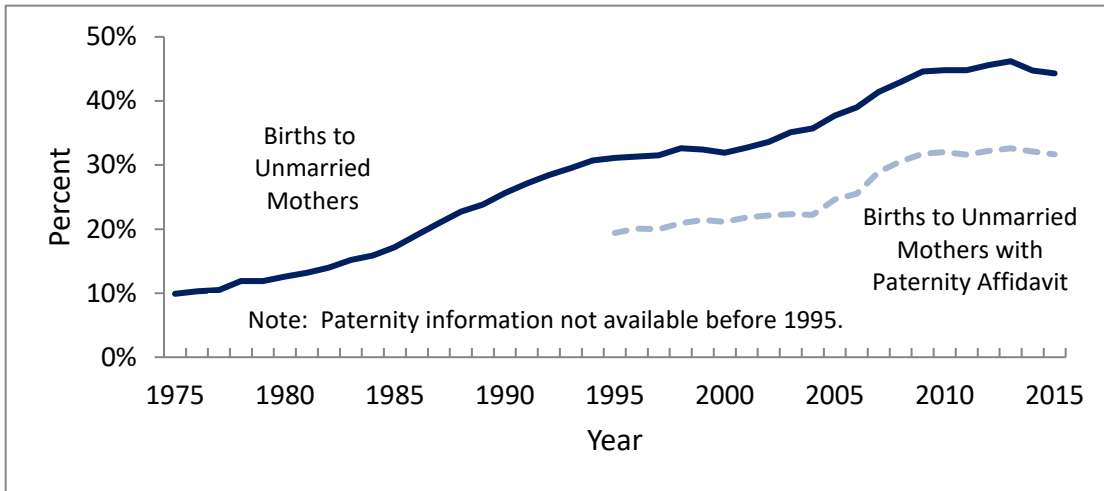
Note: 2010 through 2016 percentages are calculated excluding unknown marital status.

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Percent of Births to Unmarried Mothers and  
Unmarried Mothers with Paternity Affidavit  
West Virginia Occurrence Births, 1975-2016

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%
2000	6,904	31.9%	4,563	21.1%
2005	7,964	37.7%	5,199	24.6%
2006	8,236	39.0%	5,382	25.5%
2007	9,076	41.4%	6,326	28.9%
2008	9,205	43.0%	6,552	30.6%
2009	9,485	44.6%	6,755	31.8%
2010	9,289	44.8%	6,638	32.0%
2011	9,383	44.8%	6,624	31.6%
2012	9,645	45.6%	6,805	32.2%
2013	9,752	46.2%	6,891	32.6%
2014	9,184	44.7%	6,592	32.1%
2015	9,047	44.3%	6,463	31.7%
2016	9,021	44.2%	6,453	32.5%

Note: 2008 through 2016 percentages are calculated excluding unknown marital status.

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Selected Factors by Race of Mother  
West Virginia Resident Births, 2016  
Table 9

Factor	White or Caucasian		Black or African American		All Other Races		Unknown	Total	
	Number	Percent*	Number	Percent*	Number	Percent*		Number	Percent*
Total Births	17,826		608		621		15	19,070	
<u>Low Birthweight</u> (< 2,500)	1,705	9.6%	86	14.2%	43	6.9%	4	1,838	9.6%
<u>Maternal Age</u>									
Mothers < 20 Years	1,452	8.1%	44	7.2%	64	10.3%	0	1,560	8.2%
Mothers < 15 Years	12	0.1%	3	0.5%	1	0.2%	0	16	0.1%
<u>Entry Into Prenatal Care</u>									
First Trimester	14,183	80.2%	416	69.0%	444	71.8%	4	15,047	79.5%
Second Trimester	2,599	14.7%	116	19.2%	128	20.7%	8	2,851	15.1%
Third Trimester	672	3.8%	56	9.3%	38	6.1%	1	767	4.1%
No Prenatal Care	234	1.3%	15	2.5%	8	1.3%	2	259	1.4%
Unknown	138		5		3		0	146	
<u>Gestational Age</u>									
< 32 Weeks	284	1.6%	18	3.0%	5	0.8%	0	307	1.6%
32-36 Weeks	1,821	10.2%	65	10.7%	59	9.5%	3	1,948	10.2%
37-38 Weeks	5,067	28.5%	183	30.2%	161	25.9%	5	5,416	28.4%
39+ Weeks	10,634	59.7%	340	56.1%	396	63.8%	7	11,377	59.7%
Unknown	20		2		0		0	22	
<u>Place of Birth</u>									
Hospital**	17,731	99.5%	607	100.0%	618	99.5%	15	18,971	99.5%
Non-Hospital	95	0.5%	0	0.0%	3	0.5%	0	98	0.5%
Unknown	0		1		0		0	1	

\*Percentages in each category are calculated as a total for that race excluding unknown.

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

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2016  
Table 10

Birth Characteristics	Time Prenatal Care Began								Un-known	Total
	First Trimester		Second Trimester		Third Trimester		No Care			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
Mother's Race: All Races	15,047	79.5%	2,851	15.1%	767	4.1%	259	1.4%	146	19,070
<u>Mother's Marital Status</u>										
Married	8,890	85.2%	1,175	11.3%	289	2.8%	86	0.8%	72	10,512
Not Married	6,149	72.7%	1,664	19.7%	477	5.6%	170	2.0%	73	8,533
Unknown	8	33.3%	12	50.0%	1	4.2%	3	12.5%	1	25
Mother's Educational Level										
8th Grade or Less	114	54.3%	69	32.9%	22	10.5%	5	2.4%	2	212
9th-12th Grade, No Diploma	1,633	67.3%	567	23.4%	160	6.6%	67	2.8%	28	2,455
High School Graduate or GED Completed	4,539	76.3%	1,027	17.3%	273	4.6%	108	1.8%	52	5,999
Some College Credit but No Degree	3,336	79.9%	629	15.1%	167	4.0%	42	1.0%	28	4,202
Associate Degree	1,607	85.9%	205	11.0%	45	2.4%	14	0.7%	11	1,882
Bachelor's Degree	2,405	88.8%	223	8.2%	64	2.4%	16	0.6%	18	2,726
Master's Degree	1,049	90.9%	78	6.8%	25	2.2%	2	0.2%	6	1,160
Doctorate or Professional Degree	346	87.8%	41	10.4%	5	1.3%	2	0.5%	0	394
Unknown	18	46.2%	12	30.8%	6	15.4%	3	7.7%	1	40
Mother's Race: White or Caucasian	14,183	80.2%	2,599	14.7%	672	3.8%	234	1.3%	138	17,826
<u>Mother's Marital Status</u>										
Married	8,506	85.8%	1,084	10.9%	249	2.5%	78	0.8%	71	9,988
Not Married	5,671	73.1%	1,511	19.5%	423	5.5%	155	2.0%	66	7,826
Unknown	6	54.5%	4	36.4%	0	0.0%	1	9.1%	1	12
Mother's Educational Level										
8th Grade or Less	105	55.3%	61	32.1%	19	10.0%	5	2.6%	2	192
9th-12th Grade, No Diploma	1,536	67.7%	531	23.4%	143	6.3%	60	2.6%	28	2,298
High School Graduate or GED Completed	4,320	76.8%	960	17.1%	251	4.5%	96	1.7%	48	5,675
Some College Credit but No Degree	3,112	80.6%	564	14.6%	147	3.8%	40	1.0%	26	3,889
Associate Degree	1,528	86.4%	187	10.6%	39	2.2%	14	0.8%	10	1,778
Bachelor's Degree	2,271	89.8%	195	7.7%	49	1.9%	14	0.6%	17	2,546
Master's Degree	990	91.8%	68	6.3%	18	1.7%	2	0.2%	6	1,084
Doctorate or Professional Degree	310	89.6%	30	8.7%	4	1.2%	2	0.6%	0	346
Unknown	11	64.7%	3	17.6%	2	11.8%	1	5.9%	1	18

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*Percentages are calculated excluding unknown.

Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2016  
Table 10 (Cont'd)

Birth Characteristics	Time Prenatal Care Began								Un- known	Total
	First Trimester		Second Trimester		Third Trimester		No Care			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
<u>Mother's Race: Black or African American</u>	416	69.0%	116	19.2%	56	9.3%	15	2.5%	5	608
<u>Mother's Marital Status</u>										
Married	135	71.8%	30	16.0%	17	9.0%	6	3.2%	0	188
Not Married	281	67.7%	86	20.7%	39	9.4%	9	2.2%	5	420
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
<u>Mother's Educational Level</u>										
8th Grade or Less	4	57.1%	3	42.9%	0	0.0%	0	0.0%	0	7
9th-12th Grade, No Diploma	43	55.8%	20	26.0%	10	13.0%	4	5.2%	0	77
High School Graduate or GED Completed	115	66.5%	34	19.7%	15	8.7%	9	5.2%	3	176
Some College Credit but No Degree	133	75.6%	29	16.5%	13	7.4%	1	0.6%	2	178
Associate Degree	45	77.6%	10	17.2%	3	5.2%	0	0.0%	0	58
Bachelor's Degree	52	70.3%	13	17.6%	8	10.8%	1	1.4%	0	74
Master's Degree	17	68.0%	5	20.0%	3	12.0%	0	0.0%	0	25
Doctorate or Professional Degree	5	71.4%	1	14.3%	1	14.3%	0	0.0%	0	7
Unknown	2	33.3%	1	16.7%	3	50.0%	0	0.0%	0	6
<u>Mother's Race: All Other Races</u>	444	71.8%	128	20.7%	38	6.1%	8	1.3%	3	621
<u>Mother's Marital Status</u>										
Married	249	74.3%	61	18.2%	23	6.9%	2	0.6%	1	336
Not Married	195	68.9%	67	23.7%	15	5.3%	6	2.1%	2	285
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
<u>Mother's Educational Level</u>										
8th Grade or Less	5	38.5%	5	38.5%	3	23.1%	0	0.0%	0	13
9th-12th Grade, No Diploma	54	67.5%	16	20.0%	7	8.8%	3	3.8%	0	80
High School Graduate or GED Completed	104	70.7%	33	22.4%	7	4.8%	3	2.0%	1	148
Some College Credit but No Degree	91	67.4%	36	26.7%	7	5.2%	1	0.7%	0	135
Associate Degree	34	75.6%	8	17.8%	3	6.7%	0	0.0%	1	46
Bachelor's Degree	82	78.1%	15	14.3%	7	6.7%	1	1.0%	1	106
Master's Degree	42	82.4%	5	9.8%	4	7.8%	0	0.0%	0	51
Doctorate or Professional Degree	31	75.6%	10	24.4%	0	0.0%	0	0.0%	0	41
Unknown	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	1

West Virginia Bureau for Public Health

\*Percentages are calculated excluding unknown.

Health Statistics Center, Vital Statistics System, 2018

Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2016  
Table 11

Hospital	Method of Delivery											Un- known
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		
		Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	
Berkeley Medical Center	1,041	742	71.3%	15	1.4%	284	27.3%	158	15.2%	126	12.1%	0
Bluefield Regional Medical Center	484	314	64.9%	4	0.8%	166	34.3%	98	20.2%	68	14.0%	0
Boone Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Broadus Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Teays Valley Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Women & Children's Hospital	2,560	1,475	57.6%	11	0.4%	1,074	42.0%	578	22.6%	496	19.4%	0
Cabell-Huntington Hospital	2,665	1,668	62.6%	38	1.4%	959	36.0%	516	19.4%	443	16.6%	0
Camden-Clark Medical Center Memorial Campus	1,368	798	58.3%	11	0.8%	559	40.9%	310	22.7%	249	18.2%	0
Davis Medical Center	298	230	77.2%	0	0.0%	68	22.8%	33	11.1%	35	11.7%	0
Fairmont Regional Medical Center	167	120	71.9%	1	0.6%	46	27.5%	25	15.0%	21	12.6%	0
Grant Memorial Hospital	245	137	55.9%	1	0.4%	107	43.7%	50	20.4%	57	23.3%	0
Greenbrier Valley Medical Center	481	374	77.8%	1	0.2%	106	22.0%	85	17.7%	21	4.4%	0
Hamshire Memorial Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Logan Regional Medical Center	230	83	36.1%	1	0.4%	146	63.5%	144	62.6%	2	0.9%	0
Minnie Hamilton Health System	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Monongalia General Hospital	1,176	768	65.3%	23	2.0%	385	32.7%	222	18.9%	163	13.9%	0
Ohio Valley Medical Center	395	256	64.8%	4	1.0%	135	34.2%	84	21.3%	51	12.9%	0
Pleasant Valley Hospital	117	74	63.2%	3	2.6%	40	34.2%	22	18.8%	18	15.4%	0
Pocahontas Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Preston Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Princeton Community Hospital	704	474	67.3%	4	0.6%	226	32.1%	141	20.0%	85	12.1%	0
Raleigh General Hospital	1,034	724	70.0%	22	2.1%	288	27.9%	157	15.2%	131	12.7%	0
Roane General Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
St. Joseph's Hospital	325	256	78.8%	7	2.2%	62	19.1%	36	11.1%	26	8.0%	0
St. Mary's Medical Center	390	281	72.1%	1	0.3%	108	27.7%	65	16.7%	43	11.0%	0
Stonewall Jackson Memorial Hospital	183	119	65.0%	7	3.8%	57	31.1%	32	17.5%	25	13.7%	0
Summersville Regional Medical Center	277	171	61.7%	0	0.0%	106	38.3%	64	23.1%	42	15.2%	0
Thomas Memorial Hospital	1,020	568	55.7%	13	1.3%	439	43.0%	239	23.4%	200	19.6%	0
United Hospital Center	1,075	674	62.7%	22	2.0%	379	35.3%	221	20.6%	158	14.7%	0
University Healthcare Jefferson Medical Center	247	181	73.3%	3	1.2%	63	25.5%	39	15.8%	24	9.7%	0
WVU Hospitals, Inc.	1,541	927	60.2%	45	2.9%	569	36.9%	374	24.3%	195	12.7%	0
Weirton Medical Center	396	269	67.9%	9	2.3%	118	29.8%	60	15.2%	58	14.6%	0
Welch Community Hospital	49	27	55.1%	1	2.0%	21	42.9%	12	24.5%	9	18.4%	0
Wetzel County Hospital	1	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0
Wheeling Hospital	1,263	762	60.3%	7	0.6%	494	39.1%	302	23.9%	192	15.2%	0
WomenCare Birth Center	11	11	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
~Non-Hospital	136	127	94.1%	8	5.9%	0	0.0%	0	0.0%	0	0.0%	1
West Virginia Total Occurrences	19,889	12,620	63.5%	263	1.3%	7,005	35.2%	4,067	20.4%	2,938	14.8%	1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*Percentages are calculated excluding unknown

Full-Term Births (39 or More Weeks Gestation) by Method of Delivery  
 Number and Percent by Facility of Occurrence  
 West Virginia, 2016  
 Table 12

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		Un- known
		Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	
Berkeley Medical Center	673	505	75.0%	8	1.2%	160	23.8%	96	14.3%	64	9.5%	0
Bluefield Regional Medical Center	279	187	67.0%	3	1.1%	89	31.9%	51	18.3%	38	13.6%	0
Boone Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Broadbudd Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Teav's Valley 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	1,223	749	61.2%	6	0.5%	468	38.3%	221	18.1%	247	20.2%	0
Cabell-Huntington Hospital	1,417	950	67.0%	16	1.1%	451	31.8%	217	15.3%	234	16.5%	0
Camden-Clark Medical Center Memorial Campus	706	434	61.5%	3	0.4%	269	38.1%	150	21.2%	119	16.9%	0
Davis Medical Center	194	152	78.4%	0	0.0%	42	21.6%	21	10.8%	21	10.8%	0
Fairmont Regional Medical Center	115	83	72.2%	1	0.9%	31	27.0%	15	13.0%	16	13.9%	0
Grant Memorial Hospital	161	91	56.5%	1	0.6%	69	42.9%	32	19.9%	37	23.0%	0
Greenbrier Valley Medical Center	368	294	79.9%	1	0.3%	73	19.8%	57	15.5%	16	4.3%	0
Hamshire Memorial Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Logan Regional Medical Center	124	47	37.9%	1	0.8%	76	61.3%	76	61.3%	0	0.0%	0
Minnie Hamilton Health System	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Monongalia General Hospital	834	550	65.9%	16	1.9%	268	32.1%	147	17.6%	121	14.5%	0
Ohio Valley Medical Center	232	161	69.4%	1	0.4%	70	30.2%	43	18.5%	27	11.6%	0
Pleasant Valley Hospital	76	50	65.8%	3	3.9%	23	30.3%	12	15.8%	11	14.5%	0
Pocahontas Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Preston Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Princeton Community Hospital	381	250	65.6%	3	0.8%	128	33.6%	86	22.6%	42	11.0%	0
Raleigh General Hospital	658	484	0.0%	11	0.0%	163	0.0%	83	0.0%	80	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	260	200	76.9%	7	2.7%	53	20.4%	32	12.3%	21	8.1%	0
St. Mary's Medical Center	241	178	73.9%	1	0.4%	62	25.7%	37	15.4%	25	10.4%	0
Stonewall Jackson Memorial Hospital	145	94	64.8%	6	4.1%	45	31.0%	26	17.9%	19	13.1%	0
Summersville Regional Medical Center	203	122	60.1%	0	0.0%	81	39.9%	48	23.6%	33	16.3%	0
Thomas Memorial Hospital	553	328	59.3%	5	0.9%	220	39.8%	118	21.3%	102	18.4%	0
United Hospital Center	743	469	63.1%	17	2.3%	257	34.6%	143	19.2%	114	15.3%	0
University Healthcare Jefferson Medical Center	169	130	76.9%	1	0.6%	38	22.5%	27	16.0%	11	6.5%	0
WVU Hospitals, Inc.	742	505	68.1%	29	3.9%	208	28.0%	124	16.7%	84	11.3%	0
Weirton Medical Center	281	195	69.4%	4	1.4%	82	29.2%	41	14.6%	41	14.6%	0
Welch Community Hospital	21	12	57.1%	1	4.8%	8	38.1%	6	28.6%	2	9.5%	0
Wetzel County Hospital	1	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0
Wheeling Hospital	857	508	59.3%	3	0.4%	346	40.4%	214	25.0%	132	15.4%	0
WomenCare Birth Center	10	10	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
~Non-Hospital	95	90	94.7%	5	5.3%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	11,765	7,831	66.6%	154	1.3%	3,780	32.1%	2,123	18.0%	1,657	14.1%	0

West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2018

\*Percentages are calculated excluding unknown

Labor-Induced Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2016  
Table 13

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		Un- known
		Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	
Berkeley Medical Center	330	270	81.8%	0	0.0%	60	18.2%	60	18.2%	0	0.0%	0
Bluefield Regional Medical Center	280	226	80.7%	1	0.4%	53	18.9%	46	16.4%	7	2.5%	0
Boone Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Broadus Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Teavs Valley 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	963	762	79.1%	4	0.4%	197	20.5%	195	20.2%	2	0.2%	0
Cabell-Huntington Hospital	1,364	1,120	82.1%	13	1.0%	231	16.9%	196	14.4%	35	2.6%	0
Camden-Clark Medical Center Memorial Campus	580	395	68.1%	7	1.2%	178	30.7%	129	22.2%	49	8.4%	0
Davis Medical Center	91	78	85.7%	0	0.0%	13	14.3%	13	14.3%	0	0.0%	0
Fairmont Regional Medical Center	72	62	86.1%	1	1.4%	9	12.5%	8	11.1%	1	1.4%	0
Grant Memorial Hospital	94	74	78.7%	0	0.0%	20	21.3%	20	21.3%	0	0.0%	0
Greenbrier Valley Medical Center	210	189	0.0%	0	0.0%	21	0.0%	19	0.0%	2	0.0%	0
Hamshire Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Logan Regional Medical Center	23	9	39.1%	0	0.0%	14	60.9%	14	60.9%	0	0.0%	0
Minnie Hamilton Health System	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Monongalia General Hospital	371	287	77.4%	4	1.1%	80	21.6%	75	20.2%	5	1.3%	0
Ohio Valley Medical Center	204	163	79.9%	2	1.0%	39	19.1%	37	18.1%	2	1.0%	0
Pleasant Valley Hospital	46	36	0.0%	0	0.0%	10	0.0%	10	0.0%	0	0.0%	0
Pocahontas Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Preston Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Princeton Community Hospital	346	285	82.4%	1	0.3%	60	17.3%	56	16.2%	4	1.2%	0
Raleigh General Hospital	353	303	0.0%	1	0.0%	49	0.0%	46	0.0%	3	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	109	89	81.7%	3	2.8%	17	15.6%	15	13.8%	2	1.8%	0
St. Mary's Medical Center	195	165	84.6%	1	0.5%	29	14.9%	29	14.9%	0	0.0%	0
Stonewall Jackson Memorial Hospital	73	57	78.1%	2	2.7%	14	19.2%	14	19.2%	0	0.0%	0
Summersville Regional Medical Center	105	70	66.7%	0	0.0%	35	33.3%	32	30.5%	3	2.9%	0
Thomas Memorial Hospital	597	452	75.7%	10	1.7%	135	22.6%	102	17.1%	33	5.5%	0
United Hospital Center	466	350	75.1%	6	1.3%	110	23.6%	103	22.1%	7	1.5%	0
University Healthcare Jefferson Medical Center	105	78	74.3%	0	0.0%	27	25.7%	25	23.8%	2	1.9%	0
WVU Hospitals, Inc.	610	450	73.8%	19	3.1%	141	23.1%	131	21.5%	10	1.6%	0
Weirton Medical Center	150	117	78.0%	3	2.0%	30	20.0%	28	18.7%	2	1.3%	0
Welch Community Hospital	10	8	80.0%	0	0.0%	2	20.0%	2	20.0%	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	446	334	74.9%	4	0.9%	108	24.2%	105	23.5%	3	0.7%	0
WomenCare Birth Center	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
~Non-Hospital	4	3	75.0%	1	25.0%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	8,198	6,433	78.5%	83	1.0%	1,682	20.5%	1,510	18.4%	172	2.1%	0

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*Percentages are calculated excluding unknown



**Mother's Marital Status and Method of Paternity Establishment  
Unmarried Mothers by Hospital of Birth  
West Virginia Occurrences, 2016**

Table 14

Hospital	Total Births	Mother's Marital Status			Mother Unmarried with Paternity Established			Mother Unmarried with Father Unknown
		Married (or Unknown)	Un-married	Percent Un-married	Paternity Affidavit Accepted	Percent of Un-married Births	Father Established by Other Methods	
Berkeley Medical Center	1,041	455	586	56.3%	391	66.7%	12	183
Bluefield Regional Medical Center	484	225	259	53.5%	158	61.0%	11	90
Boone Memorial Hospital	1	0	1	100.0%	1	100.0%	0	0
Broadus Hospital	1	0	1	100.0%	1	100.0%	0	0
C.A.M.C. - Teays Valley Hospital	1	0	1	100.0%	0	0.0%	0	1
C.A.M.C. - Women & Children's Hospital	2,560	1,431	1,129	44.1%	847	75.0%	24	258
Cabell-Huntington Hospital	2,665	1,424	1,241	46.6%	914	73.7%	49	278
Camden-Clark Medical Center Memorial	1,368	697	671	49.0%	451	67.2%	13	207
Davis Medical Center	298	144	154	51.7%	117	76.0%	3	34
Fairmont Regional Medical Center	167	72	95	56.9%	74	77.9%	1	20
Grant Memorial Hospital	245	116	129	52.7%	101	78.3%	3	25
Greenbrier Valley Medical Center	481	234	247	51.4%	175	70.9%	11	61
Hampshire Memorial Hospital	2	0	2	100.0%	1	50.0%	0	1
Logan Regional Medical Center	230	93	137	59.6%	56	40.9%	1	80
Minnie Hamilton Health System	1	0	1	100.0%	1	100.0%	0	0
Monongalia General Hospital	1,176	820	356	30.3%	264	74.2%	6	86
Ohio Valley Medical Center	395	177	218	55.2%	147	67.4%	3	68
Pleasant Valley Hospital	117	58	59	50.4%	37	62.7%	2	20
Pocahontas Memorial Hospital	1	1	0	0.0%	0	0.0%	0	0
Preston Memorial Hospital	1	1	0	0.0%	0	0.0%	0	0
Princeton Community Hospital	704	435	269	38.2%	183	68.0%	3	83
Raleigh General Hospital	1,034	521	513	49.6%	307	59.8%	16	190
Roane General Hospital	2	1	1	50.0%	1	100.0%	0	0
St. Joseph's Hospital	325	169	156	48.0%	103	66.0%	6	47
St. Mary's Medical Center	390	297	93	23.8%	69	74.2%	4	20
Stonewall Jackson Memorial Hospital	183	77	106	57.9%	74	69.8%	1	31
Summersville Regional Medical Center	277	131	146	52.7%	105	71.9%	0	41
Thomas Memorial Hospital	1,020	537	483	47.4%	378	78.3%	13	92
United Hospital Center	1,075	588	487	45.3%	395	81.1%	7	85
University Healthcare Jefferson Medical	247	123	124	50.2%	93	75.0%	2	29
WVU Hospitals, Inc.	1,541	1,024	517	33.5%	364	70.4%	10	143
Weirton Medical Center	396	191	205	51.8%	156	76.1%	5	44
Welch Community Hospital	49	17	32	65.3%	14	43.8%	1	17
Wetzel County Hospital	1	0	1	100.0%	1	100.0%	0	0
Wheeling Hospital	1,263	702	561	44.4%	448	79.9%	12	101
WomenCare Birth Center	11	9	2	18.2%	2	100.0%	0	0
~Non-Hospital	136	136	0	0.0%	0	0.0%	0	0
WV Total Occurrences	19,889	10,906	9,021	45.4%	6,453	71.5%	219	2,335

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Out-of-State Occurrences  
West Virginia Resident Births, 2012-2016  
Table 15

State	2012 Births	2013 Births	2014 Births	2015 Births	2016 Births
Virginia	962	970	911	936	868
Maryland	676	721	674	622	622
Ohio	352	464	561	476	418
Kentucky	185	134	140	142	143
Pennsylvania	116	99	99	112	89
Tennessee	1	6	6	2	7
District of Columbia	4	5	4	5	3
North Carolina	5	3	3	3	7
Texas	3	0	5	2	3
Florida	3	1	0	4	2
California	0	4	2	1	0
Illinois	2	1	0	2	1
Utah	0	3	0	1	2
All Other States/Countries	10	8	8	9	6
Total	2,319	2,419	2,413	2,317	2,171

Out-of-State Resident Births Born in West Virginia  
West Virginia Occurrence Births, 2012-2016  
Table 16

State	2012 Births	2013 Births	2014 Births	2015 Births	2016 Births
Ohio	1,630	1,599	1,611	1,733	1,785
Kentucky	308	370	351	471	415
Pennsylvania	308	324	287	317	352
Virginia	289	293	276	282	276
Maryland	77	82	93	99	96
North Carolina	10	7	6	12	9
Florida	4	3	1	9	7
Tennessee	1	3	6	7	5
Texas	5	1	7	7	2
South Carolina	4	3	4	2	6
New York	2	7	2	3	2
New Jersey	2	4	2	2	2
Illinois	2	2	3	1	3
Michigan	2	1	3	1	3
All Other States/Countries	16	18	14	19	27
Total	2,660	2,717	2,666	2,965	2,990

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



West Virginia Vital Statistics  
**Deaths**

## Death Summary

The number of West Virginia resident deaths increased by 78, from 22,643 in 2015 to 22,721 in 2016. The state's crude death rate rose from 2015 at 12.3 per 1,000 population to 12.4 in 2016. The average age at death for West Virginians was 71.7 (68.7 for men and 75.0 for women), compared to the 2015 average of 72.2 (69.3 for men and 75.2 for women). In 2016, 165 West Virginia residents who died were age 100 or older. The oldest man was 106 years old while the oldest woman was 112 years old at the time of death.

Heart disease, which became the leading cause of death in the Mountain State for the first time since 2012, cancer, and accidents were the three leading causes of death, accounting for 48.9% of West Virginia resident deaths in 2016. Compared with 2015, the number of state deaths due to heart disease increased by 57 or 1.2% while cancer deaths decreased by 168 or 3.5%. Also on the rise in 2016 were diabetes mellitus deaths, the seventh leading cause of death in West Virginia, which increased by 9.6% in 2016 and deaths caused by Alzheimer's Disease increased by 46 or 6.2%. Chronic lower respiratory disease, the fourth leading cause, decreased by 30 or 1.9%; along with stroke deaths, which decreased by 32 or 3.0% and dementia, the sixth leading cause of death in the Mountain State, decreased by 53 or 5.6%

Accidental deaths are now the third leading cause of death in West Virginia. The number of accidental deaths rose by 188 (12.4%), from 1,518 in 2015 to 1,706 in 2016. Accidents were the leading cause of death for ages one through 44 years. Motor vehicle accident and accidental poisoning fatalities are the two leading causes of death for young adults aged 15 through 24, accounting for fifty percent (50.5%) of all deaths for this age group in 2016. Motor vehicle accident deaths decreased by 7 or 2.3%, from 304 in 2015 to 297 in 2016. West Virginia's 2016 motor vehicle fatalities included three children under five years of age, one more than 2015. Accidental poisoning deaths are still a major concern in West Virginia, as it increased by 165 (24.2%) from 682 in 2015 to 847 in 2016. Accidental poisoning accounted for more than forty percent (41.6%) of all deaths in the age group of 25-34.

Suicides increased by 24, from 339 to 363 between 2015 and 2016. Male suicides increased by 11 or 4.1%, from 270 in 2015 to 281 in 2016; the number of female suicides (82) increased by 13 or 18.8% from 2015. Sixty-six percent (66.1%) of all suicide deaths were firearm related — 71.5% of male suicides and 47.6% of female suicides. The average age of death for a suicide victim in 2016 was 47.2 years. While suicide was the 11th 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 13 in 2016, same as 2015.

Homicides increased by 30 (37.5%), from 80 in 2015 to 110 in 2016. Ninety (90) of the homicide victims were male, 20 were female. The average age at death for a homicide victim in 2016 was 37.0 years. There were four homicide victims under the age of five in 2016, same as 2015. Over seventy percent (71.8%) of 2016 homicide deaths were due to firearms.

The statistics presented in this publication refer to resident data unless otherwise

Number and Rate of Resident Deaths (Compared to Births)  
West Virginia, 1925-2016  
Exhibit 10

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 Arkansas, 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 an Arkansas occurrence.

Years of Potential Life Lost (YPLL)

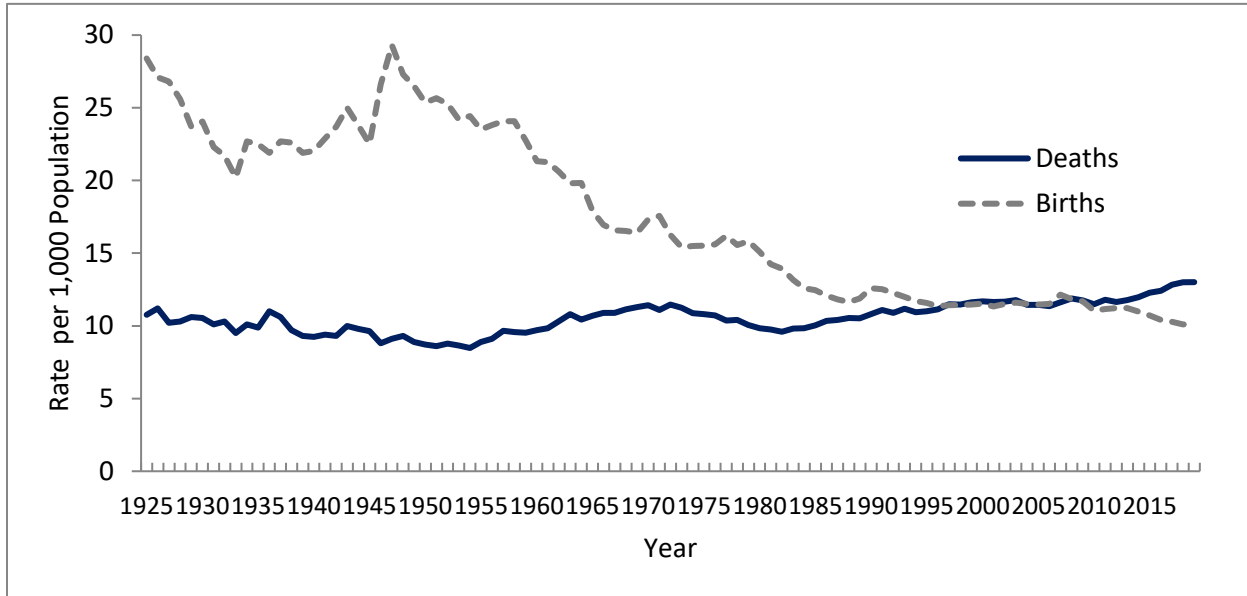
YPLL is a measure of mortality calculated as the difference between age 75 (an average life span) and the age at death. Using YPLL before age 75, the sum of YPLL across all causes of death represents the total YPLL for all persons dying before the age of 75. A person dying at the age of 28 would, therefore, contribute 47 years to the total YPLL ( $75-28=47$ ). YPLL is an important tool in emphasizing and evaluating causes of premature death.

YPLL from all causes increased 5.3%, from 181,297 YPLL in 2015 to 190,820 in 2016. The four leading causes of YPLL in 2016 were non-motor vehicle accidents (34,399 YPLL), malignant neoplasms (33,920 YPLL), diseases of the heart (24,523 YPLL), and suicides (10,190 YPLL). Combined, these four causes accounted for over half (54.0%) of all years of potential life lost in 2016. In comparison to 2015, YPLL attributable to non-motor vehicle accidents increased from 15.0% to 18.0% of the total YPLL, malignant neoplasms decreased from 19.7% to 17.8%, YPLL due to diseases of the heart increased from 12.7% to 12.9% and the percentage of total YPLL due to suicides increased from 4.8% to 5.3%.

# Number and Rate of Resident Deaths (Compared to Births)

## West Virginia, 1925-2019

### 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
2012	21,586	11.6	20,813	11.2
2013	21,846	11.8	20,829	11.2
2014	22,164	12.0	20,303	11.0
2015	22,643	12.3	19,778	10.7
2016	22,721	12.4	19,070	10.4

West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2021

Summary Totals  
West Virginia Resident Deaths, 2016  
Table 17

Characteristic	Number	Percent	Characteristic	Number	Percent
<u>Total</u>			<u>Place Death Occurred</u>		
Residence	22,721	100.0%	WV Hospital	7,042	31.0%
Occurrence	22,001		Home	6,912	30.4%
			Licensed Nursing Home	3,261	14.4%
<u>Gender</u>			Hospice Care	2,478	10.9%
Male	11,720	51.6%	Named Place or Street Address	890	3.9%
Female	11,001	48.4%	Out-of-State Hospital	1,595	7.0%
			Unlicensed Personal Care	403	1.8%
<u>Disposition of Death</u>			En Route to Hospital	119	0.5%
Burial	12,850	56.6%	Clinic or Center	19	0.1%
Cremation	7,571	33.4%	Other and Unknown	2	0.0%
Removal from State	1,286	5.7%			
Donation	399	1.8%	<u>Race</u>		
Other	590	2.6%	White or Caucasian	21,953	96.6%
Unknown	25		Black or African American	718	3.2%
			All Other Races	50	0.2%
<u>Age at Death</u>			<u>Leading Causes of Death</u>		
Less than One Year of Age	139	0.6%	Diseases of the Heart	4,762	21.0%
One to Four Years	33	0.1%	Malignant Neoplasms	4,651	20.5%
Five to Fourteen Years	31	0.1%	Accidents, All Forms	1,706	7.5%
Fifteen to Nineteen Years	66	0.3%	Chronic Lower Respiratory Disease	1,595	7.0%
Twenty to Twenty-Four Years	152	0.7%	Cerebrovascular Disease	1,038	4.6%
Twenty-Five to Thirty-Four Years	478	2.1%	Dementia	901	4.0%
Thirty-Five to Forty-Four Years	809	3.6%	Diabetes Mellitus	859	3.8%
Forty-Five to Fifty-Four Years	1,585	7.0%	Alzheimer's Disease	783	3.4%
Fifty-Five to Sixty-Four Years	3,303	14.5%	Nephritis, Nephrotic Syndrome and Nephrosis	476	2.1%
Sixty-Five to Seventy-Four Years	4,656	20.5%	Influenza and Pneumonia	421	1.9%
Seventy-Five to Eighty-Four Years	5,448	24.0%	All Other Causes (Residual)	5,529	24.3%
Eighty-Five Years and Older	6,021	26.5%			

Note: En Route to Hospital includes any patient status listed as Dead On Arrival  
West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Out-of-State Occurrences  
West Virginia Resident Deaths, 2012-2016  
Table 18

State	2012 Deaths	2013 Deaths	2014 Deaths	2015 Deaths	2016 Deaths
Ohio	437	613	681	604	709
Virginia	603	552	609	603	578
Maryland	207	256	274	301	259
Pennsylvania	226	214	208	171	289
Kentucky	163	140	178	178	200
North Carolina	48	58	53	71	60
Florida	46	49	46	46	50
Tennessee	30	20	12	20	4
South Carolina	8	20	14	17	20
District of Columbia	5	11	15	20	19
Georgia	0	7	11	11	7
Texas	8	11	8	5	3
All Other States/Countries	47	41	38	58	61
Total	1,828	1,992	2,147	2,105	2,259

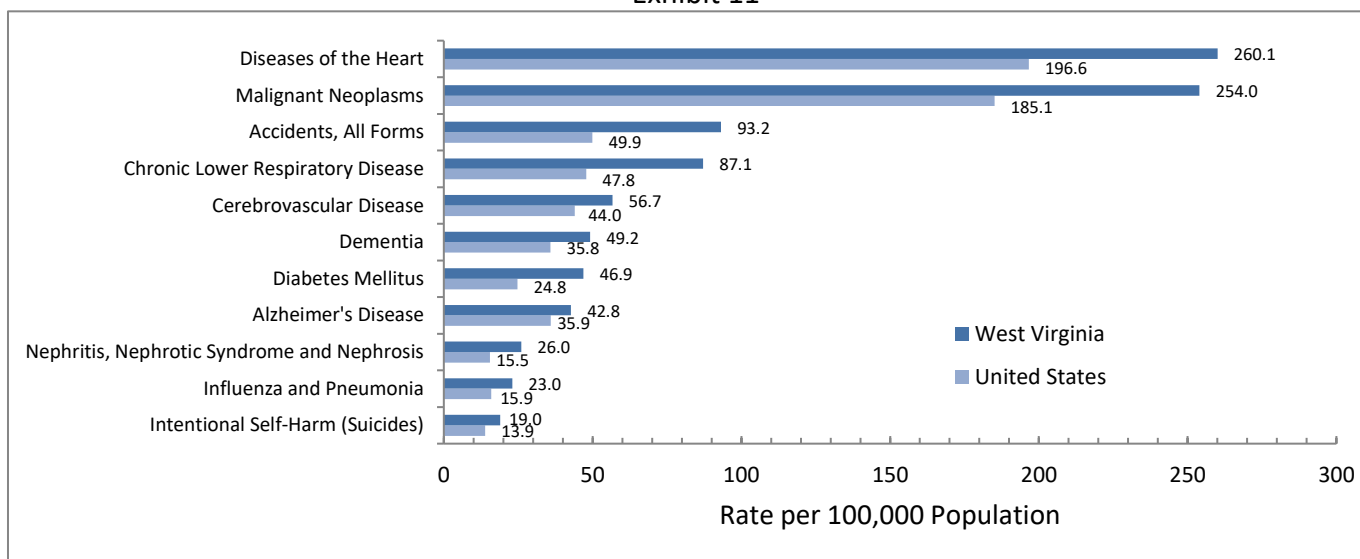
Deaths to Out-of-State Residents  
West Virginia Occurrence Deaths, 2012-2016  
Table 19

State	2012 Deaths	2013 Deaths	2014 Deaths	2015 Deaths	2016 Deaths
Ohio	780	762	800	845	807
Virginia	178	166	169	192	183
Pennsylvania	191	176	161	178	147
Kentucky	155	183	184	155	121
Maryland	161	153	145	157	155
Florida	34	29	18	25	27
North Carolina	14	17	23	17	13
Tennessee	9	8	8	10	6
Michigan	5	6	11	6	12
South Carolina	7	8	8	5	6
New York	6	5	7	6	7
Texas	5	5	9	2	8
All Other States/Countries	49	49	45	42	47
Total	1,594	1,567	1,588	1,640	1,539

West Virginia Bureau for Public Health  
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**2016 West Virginia and United States Resident Deaths**  
**Leading Causes of Death**  
**Exhibit 11**



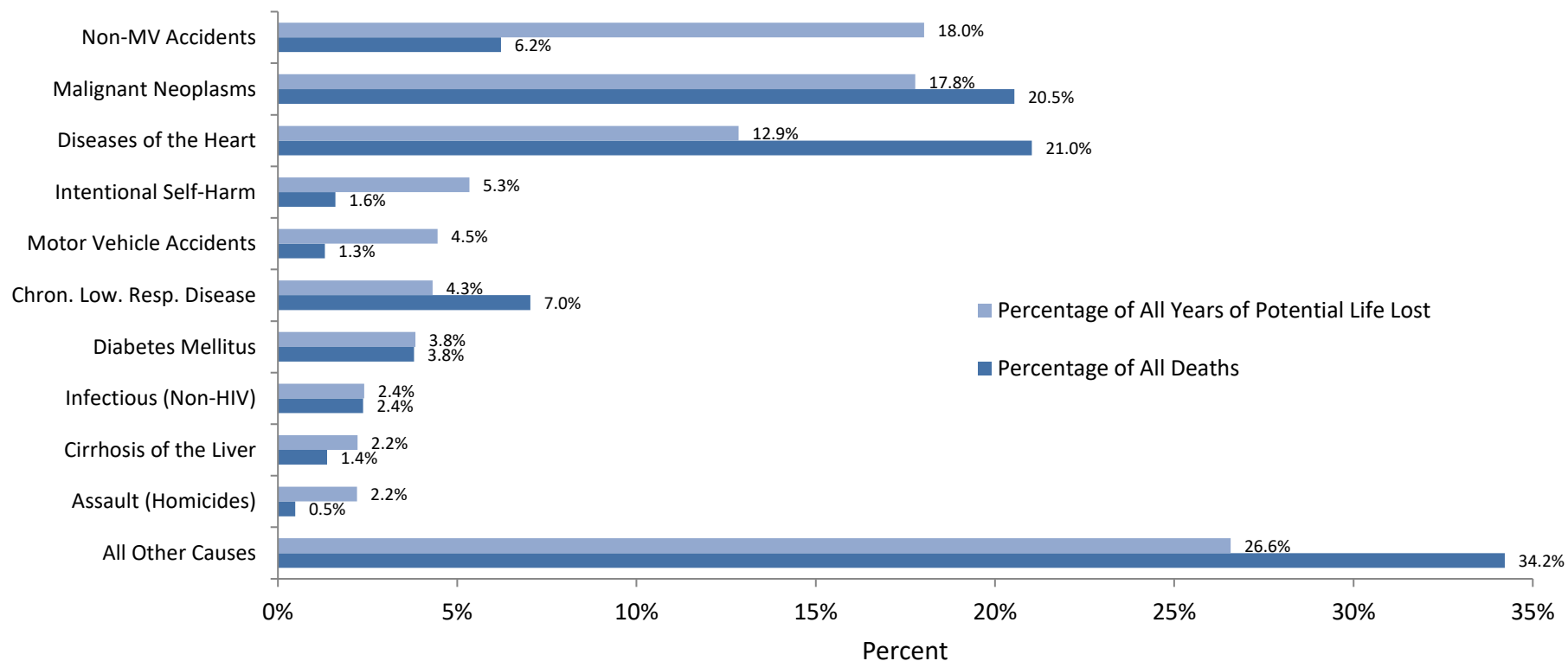
Leading Cause of Death	West Virginia			United States*		
	Number of Deaths	Rate per 100,000 Population	Percent of Total	Number of Deaths	Rate per 100,000 Population	Percent of Total
Diseases of the Heart	4,762	260.1	21.0%	635,260	196.6	23.1%
Malignant Neoplasms	4,651	254.0	20.5%	598,038	185.1	21.8%
Accidents, All Forms	1,706	93.2	7.5%	161,374	49.9	5.9%
Chronic Lower Respiratory Disease	1,595	87.1	7.0%	154,596	47.8	5.6%
Cerebrovascular Disease	1,038	56.7	4.6%	142,142	44.0	5.2%
Dementia	901	49.2	4.0%	115,772	35.8	4.2%
Diabetes Mellitus	859	46.9	3.8%	80,058	24.8	2.9%
Alzheimer's Disease	783	42.8	3.4%	116,103	35.9	4.2%
Nephritis, Nephrotic Syndrome and Nephrosis	476	26.0	2.1%	50,046	15.5	1.8%
Influenza and Pneumonia	421	23.0	1.9%	51,537	15.9	1.9%
Intentional Self-Harm (Suicides)	363	19.8	1.6%	44,965	13.9	1.6%
<b>Total for Leading Causes</b>	<b>17,555</b>	<b>958.7</b>	<b>77.3%</b>	<b>2,149,891</b>	<b>665.3</b>	<b>78.3%</b>
All Other Causes (Residual)	5,166	282.1	22.7%	594,357	183.9	21.7%
<b>Total for All Causes</b>	<b>22,721</b>	<b>1,240.8</b>	<b>100.0%</b>	<b>2,744,248</b>	<b>849.3</b>	<b>100.0%</b>

\* CDC Wonder - <http://wonder.cdc.gov>  
 West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2018

Top Twenty Leading Causes of Years of Potential Life Lost Before Age 75\*  
 Compared to Actual Deaths of All Ages  
 West Virginia Residents, 2015 and 2016  
 Table 20

Cause of Death	Years of Potential Life Lost Before Age 75				Actual Deaths			
	2015		2016		2015		2016	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Causes	181,297	100.0%	190,820	100.0%	22,643	100.0%	22,721	100.0%
Non-motor Vehicle Accidents	27,216	15.0%	34,399	18.0%	1,214	5.4%	1,409	6.2%
Malignant Neoplasms (Cancer)	35,658	19.7%	33,920	17.8%	4,819	21.3%	4,651	20.5%
Diseases of the Heart	22,940	12.7%	24,523	12.9%	4,705	20.8%	4,762	21.0%
Intentional Self-Harm (Suicides)	8,638	4.8%	10,190	5.3%	339	1.5%	363	1.6%
Motor Vehicle Accidents	9,497	5.2%	8,497	4.5%	304	1.3%	297	1.3%
Chronic Lower Respiratory Diseases	7,848	4.3%	8,236	4.3%	1,625	7.2%	1,595	7.0%
Diabetes Mellitus	6,236	3.4%	7,313	3.8%	784	3.5%	859	3.8%
Infectious and Parasitic Diseases (excluding HIV)	4,289	2.4%	4,599	2.4%	550	2.4%	538	2.4%
Chronic Liver Disease and Cirrhosis	4,900	2.7%	4,236	2.2%	335	1.5%	311	1.4%
Assault (Homicides)	2,908	1.6%	4,203	2.2%	80	0.4%	110	0.5%
Cerebrovascular Diseases (Stroke)	4,024	2.2%	3,990	2.1%	1,070	4.7%	1,038	4.6%
Congenital Malformations	3,652	2.0%	3,907	2.0%	81	0.4%	87	0.4%
Influenza and Pneumonia	2,313	1.3%	2,346	1.2%	523	2.3%	421	1.9%
Alcohol or Drug Psychoses, Dependence or Abuse	1,933	1.1%	2,727	1.4%	88	0.4%	127	0.6%
Nephritis, Nephrotic Syndrome and Nephrosis	2,212	1.2%	2,445	1.3%	508	2.2%	476	2.1%
Essential Hypertension and Hypertensive Renal Disease	1,781	1.0%	1,945	1.0%	297	1.3%	290	1.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	2,315	1.3%	1,945	1.0%	76	0.3%	66	0.3%
Sudden Infant Death Syndrome	1,118	0.6%	1,714	0.9%	15	0.1%	23	0.1%
Obesity	2,027	1.1%	1,697	0.9%	94	0.4%	84	0.4%
Disorders Relating to Short Gestation and Unspecified Low Birthweight	1,639	0.9%	1,490	0.8%	22	0.1%	20	0.1%
All Other Causes (Residual)	28,157	15.5%	26,501	13.9%	5,114	22.6%	5,194	22.9%

Top Ten Causes of Years of Potential Life Lost Before Age 75  
 Compared to Resident Deaths of All Ages  
 West Virginia Resident Deaths, 2016  
 Exhibit 12



West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2018

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2016  
Table 21

Leading Causes of Death	Total, All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	11,720		11,001		22,721	
Diseases of the Heart	2,496	21.3%	2,266	20.6%	4,762	21.0%
Malignant Neoplasms (Cancer)	2,455	20.9%	2,196	20.0%	4,651	20.5%
Accidents, All Forms	1,113	9.5%	593	5.4%	1,706	7.5%
Chronic Lower Respiratory Disease	779	6.6%	816	7.4%	1,595	7.0%
Cerebrovascular Disease (Stroke)	442	3.8%	596	5.4%	1,038	4.6%
Dementia	297	2.5%	604	5.5%	901	4.0%
Diabetes Mellitus	476	4.1%	383	3.5%	859	3.8%
Alzheimer's Disease	218	1.9%	565	5.1%	783	3.4%
Nephritis, Nephrotic Syndrome and Nephrosis	240	2.0%	236	2.1%	476	2.1%
Influenza and Pneumonia	209	1.8%	212	1.9%	421	1.9%
All Other Causes (Residual)	2,995	25.6%	2,534	23.0%	5,529	24.3%

Leading Causes of Death	Less than One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	80		59		139	
Congenital Malformations	14	17.5%	16	27.1%	30	21.6%
Disorders Relating to Short Gestation/Unspecified LBW	16	20.0%	4	6.8%	20	14.4%
Sudden Infant Death Syndrome	13	16.3%	10	16.9%	23	16.5%
Infections Specific to the Perinatal Period	7	43.8%	2	50.0%	9	45.0%
Other Respiratory and Cardiovascular Conditions of the Newborn	5	6.3%	3	5.1%	8	5.8%
Accidents, All Forms	3	3.8%	3	5.1%	6	4.3%
Respiratory Distress Syndrome	2	3.8%	3	3.4%	5	3.6%
Complications of Placenta, Cord, and Membrane	2	2.5%	3	5.1%	5	3.6%
Other and Unspecified Perinatal Conditions	3	3.8%	2	3.4%	5	3.6%
Maternal Complications of Pregnancy	2	2.5%	2	3.4%	4	2.9%
Injury Undetermined Whether Accidental or Purposely Inflicted	2	2.5%	2	3.4%	4	2.9%
Intrauterine Hypoxia and Birth Asphyxia	2	2.5%	0	0.0%	2	1.4%
Neonatal Hemorrhage	1	1.3%	1	1.7%	2	1.4%
All Other Causes (Residual)	8	10.0%	8	13.6%	16	11.5%

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	22		11		33	
Accidents, All Forms	11	50.0%	3	27.3%	14	42.4%
Congenital Malformations	2	9.1%	1	9.1%	3	9.1%
Assault (Homicides)	3	13.6%	0	0.0%	3	9.1%
Malignant Neoplasms (Cancer)	1	4.5%	1	9.1%	2	6.1%
All Other Causes (Residual)	5	22.7%	6	54.5%	11	33.3%

Note: Percentages in each category are calculated as a total for that gender.  
West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2016  
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		9		19	
Accidents, All Forms	4	40.0%	2	22.2%	6	31.6%
Congenital Malformations	3	30.0%	1	11.1%	4	21.1%
Diseases of the Heart	0	0.0%	2	22.2%	2	10.5%
Malignant Neoplasms (Cancer)	2	20.0%	0	0.0%	2	10.5%
All Other Causes (Residual)	1	10.0%	4	44.4%	5	26.3%

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	6		6		12	
Accidents, All Forms	2	33.3%	1	16.7%	3	25.0%
Assault (Homicides)	2	33.3%	0	0.0%	2	16.7%
All Other Causes (Residual)	2	33.3%	5	83.3%	7	58.3%

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	157		61		218	
Accidents, All Forms	84	53.5%	34	55.7%	118	54.1%
Intentional Self-Harm (Suicides)	28	17.8%	5	8.2%	33	15.1%
Assault (Homicides)	22	14.0%	3	4.9%	25	11.5%
Diseases of the Heart	5	3.2%	1	1.6%	6	2.8%
Congenital Malformations	4	2.5%	0	0.0%	4	1.8%
Influenza and Pneumonia	3	1.9%	0	0.0%	3	1.4%
Malignant Neoplasms (Cancer)	2	1.3%	0	0.0%	2	0.9%
Chronic Lower Respiratory Disease	1	0.6%	1	1.6%	2	0.9%
All Other Causes (Residual)	8	5.1%	17	27.9%	25	11.5%

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	321		157		478	
Accidents, All Forms	181	56.4%	77	49.0%	258	54.0%
Intentional Self-Harm (Suicides)	47	14.6%	13	8.3%	60	12.6%
Assault (Homicides)	22	6.9%	4	2.5%	26	5.4%
Diseases of the Heart	10	3.1%	9	5.7%	19	4.0%
Malignant Neoplasms (Cancer)	11	3.4%	8	5.1%	19	4.0%
Injury Undetermined Whether Accidental or Purposely Inflicted	5	1.6%	6	3.8%	11	2.3%
Diabetes Mellitus	6	1.9%	2	1.3%	8	1.7%
Chronic Liver Disease and Cirrhosis	3	0.9%	4	2.5%	7	1.5%
Obesity	4	1.2%	1	0.6%	5	1.0%
Cerebrovascular Disease (Stroke)	3	0.9%	1	0.6%	4	0.8%
Septicemia	1	0.3%	3	1.9%	4	0.8%
All Other Causes (Residual)	28	8.7%	29	18.5%	57	11.9%

Note: Percentages in each category are calculated as a total for that gender.  
West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2016  
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	521		288		809	
Accidents, All Forms	229	44.0%	81	28.1%	310	38.3%
Diseases of the Heart	54	10.4%	32	11.1%	86	10.6%
Intentional Self-Harm (Suicides)	57	10.9%	21	7.3%	78	9.6%
Malignant Neoplasms (Cancer)	33	6.3%	44	15.3%	77	9.5%
Diabetes Mellitus	15	2.9%	11	3.8%	26	3.2%
Chronic Liver Disease and Cirrhosis	12	2.3%	7	2.4%	19	2.3%
Assault (Homicides)	15	2.9%	4	1.4%	19	2.3%
Obesity	6	1.2%	7	2.4%	13	1.6%
Cerebrovascular Disease (Stroke)	5	1.0%	7	2.4%	12	1.5%
Septicemia	6	1.2%	6	2.1%	12	1.5%
Injury Undetermined Whether Accidental or Purposely Inflicted	8	1.5%	4	1.4%	12	1.5%
All Other Causes (Residual)	81	15.5%	64	22.2%	145	17.9%

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	979		606		1,585	
Malignant Neoplasms (Cancer)	161	16.4%	162	26.7%	323	20.4%
Accidents, All Forms	200	20.4%	88	14.5%	288	18.2%
Diseases of the Heart	181	18.5%	75	12.4%	256	16.2%
Diabetes Mellitus	55	5.6%	38	6.3%	93	5.9%
Chronic Lower Respiratory Disease	35	3.6%	38	6.3%	73	4.6%
Intentional Self-Harm (Suicides)	36	3.7%	21	3.5%	57	3.6%
Chronic Liver Disease and Cirrhosis	35	3.6%	13	2.1%	48	3.0%
Cerebrovascular Disease (Stroke)	16	1.6%	18	3.0%	34	2.1%
Septicemia	14	1.4%	13	2.1%	27	1.7%
Obesity	16	1.6%	10	1.7%	26	1.6%
All Other Causes (Residual)	230	23.5%	130	21.5%	360	22.7%

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,989		1,314		3,303	
Malignant Neoplasms (Cancer)	523	26.3%	444	33.8%	967	29.3%
Diseases of the Heart	402	20.2%	206	15.7%	608	18.4%
Chronic Lower Respiratory Disease	141	7.1%	108	8.2%	249	7.5%
Accidents, All Forms	153	7.7%	74	5.6%	227	6.9%
Diabetes Mellitus	96	4.8%	67	5.1%	163	4.9%
Cerebrovascular Disease (Stroke)	59	3.0%	43	3.3%	102	3.1%
Chronic Liver Disease and Cirrhosis	75	3.8%	22	1.7%	97	2.9%
Intentional Self-Harm (Suicides)	50	2.5%	12	0.9%	62	1.9%
Nephritis, Nephrotic Syndrome and Nephrosis	25	1.3%	29	2.2%	54	1.6%
Septicemia	27	1.4%	23	1.8%	50	1.5%
Essential Hypertension and Hypertensive Renal Disease	27	1.4%	23	1.8%	50	1.5%
All Other Causes (Residual)	411	20.7%	263	20.0%	674	20.4%

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

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2016  
Table 21 (Cont'd)

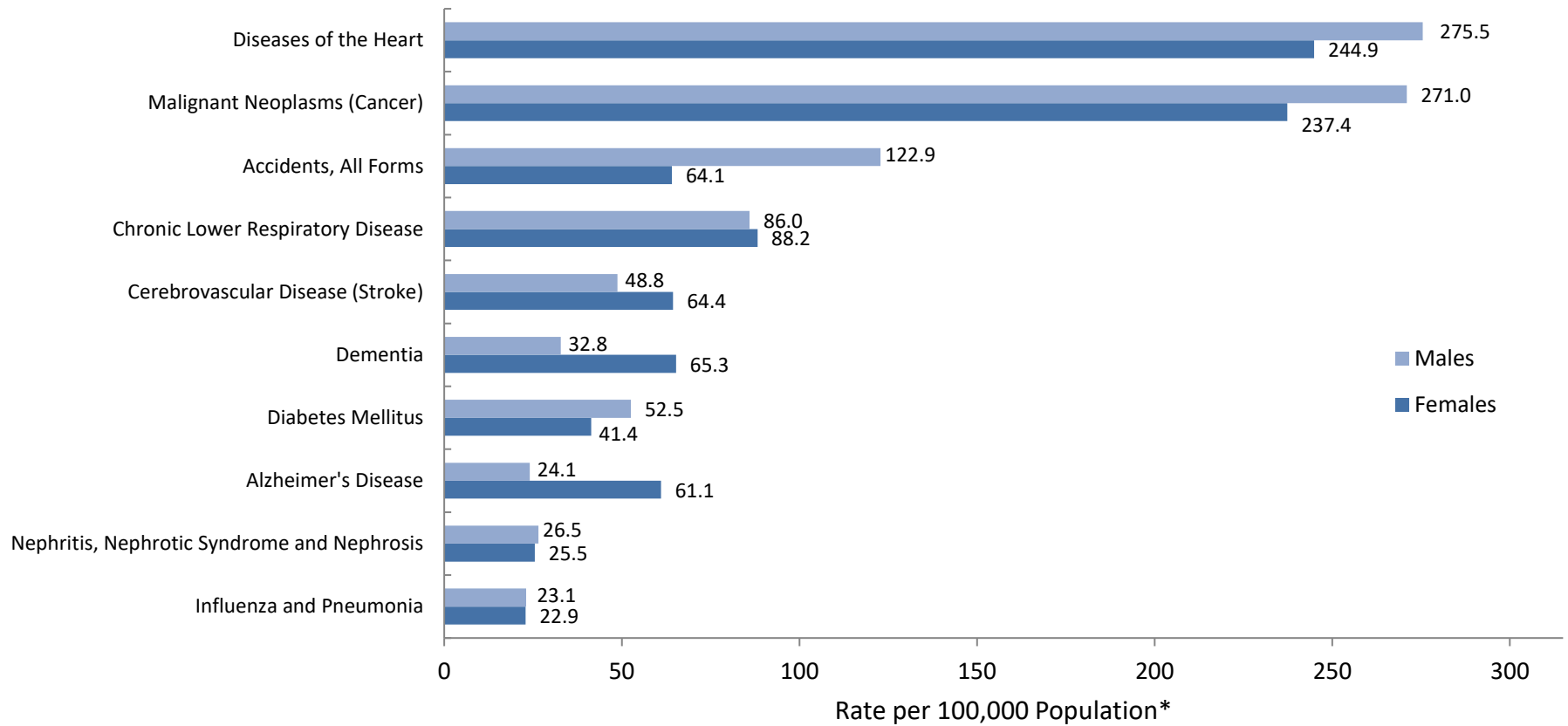
Leading Causes of Death	Sixty-Five to Seventy-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,642		2,014		4,656	
Malignant Neoplasms (Cancer)	740	28.0%	652	32.4%	1,392	29.9%
Diseases of the Heart	605	22.9%	331	16.4%	936	20.1%
Chronic Lower Respiratory Disease	227	8.6%	237	11.8%	464	10.0%
Diabetes Mellitus	131	5.0%	97	4.8%	228	4.9%
Cerebrovascular Disease (Stroke)	98	3.7%	70	3.5%	168	3.6%
Accidents, All Forms	100	3.8%	35	1.7%	135	2.9%
Nephritis, Nephrotic Syndrome and Nephrosis	59	2.2%	49	2.4%	108	2.3%
Septicemia	50	1.9%	35	1.7%	85	1.8%
Chronic Liver Disease and Cirrhosis	52	2.0%	29	1.4%	81	1.7%
Influenza and Pneumonia	39	1.5%	27	1.3%	66	1.4%
All Other Causes (Residual)	541	20.5%	452	22.4%	993	21.3%

Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,784		2,664		5,448	
Malignant Neoplasms (Cancer)	673	24.2%	554	20.8%	1,227	22.5%
Diseases of the Heart	618	22.2%	570	21.4%	1,188	21.8%
Chronic Lower Respiratory Disease	235	8.4%	229	8.6%	464	8.5%
Cerebrovascular Disease (Stroke)	143	5.1%	158	5.9%	301	5.5%
Dementia	93	3.3%	143	5.4%	236	4.3%
Alzheimer's Disease	84	3.0%	129	4.8%	213	3.9%
Diabetes Mellitus	119	4.3%	91	3.4%	210	3.9%
Nephritis, Nephrotic Syndrome and Nephrosis	81	2.9%	74	2.8%	155	2.8%
Accidents, All Forms	72	2.6%	75	2.8%	147	2.7%
Influenza and Pneumonia	55	2.0%	48	1.8%	103	1.9%
All Other Causes (Residual)	611	21.9%	593	22.3%	1,204	22.1%

Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,209		3,812		6,021	
Diseases of the Heart	621	28.1%	1,040	27.3%	1,661	27.6%
Malignant Neoplasms (Cancer)	309	14.0%	330	8.7%	639	10.6%
Dementia	175	7.9%	426	11.2%	601	10.0%
Alzheimer's Disease	114	5.2%	403	10.6%	517	8.6%
Cerebrovascular Disease (Stroke)	117	5.3%	298	7.8%	415	6.9%
Chronic Lower Respiratory Disease	137	6.2%	193	5.1%	330	5.5%
Accidents, All Forms	74	3.3%	120	3.1%	194	3.2%
Influenza and Pneumonia	72	3.3%	94	2.5%	166	2.8%
Diabetes Mellitus	54	2.4%	77	2.0%	131	2.2%
Nephritis, Nephrotic Syndrome and Nephrosis	55	2.5%	73	1.9%	128	2.1%
All Other Causes (Residual)	481	21.8%	758	19.9%	1,239	20.6%

Note: Percentages in each category are calculated as a total for that gender.  
West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

2016 Ten Leading Causes of Death by Gender  
 West Virginia Resident Death Rates\*  
 Exhibit 13



West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2018

\*Using 2016 estimated Census data for WV: Males = 905,943; Females = 925,159



Types of Firearm Injury Deaths by Age Group and Gender  
West Virginia Residents, 2016  
Table 22

	Age in Years									Total
	0-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	
Both Genders										
Accidental	0	0	0	0	1	0	1	0	1	3
Intentional Self-Harm (Suicide)	0	0	9	14	29	44	37	42	65	240
Assault (Homicide)	0	2	7	15	18	14	12	6	5	79
Legal Intervention	0	0	0	0	4	1	0	3	3	11
Undetermined	0	0	0	0	1	0	0	1	0	2
Total	0	2	16	29	53	59	50	52	74	335
Male										
Accidental	0	0	0	0	1	0	1	0	1	3
Intentional Self-Harm (Suicide)	0	0	7	12	24	35	27	39	57	201
Assault (Homicide)	0	2	6	13	17	12	12	3	2	67
Legal Intervention	0	0	0	0	4	1	0	3	3	11
Undetermined	0	0	0	0	0	0	0	0	0	0
Total	0	2	13	25	46	48	40	45	63	282
Female										
Accidental	0	0	0	0	0	0	0	0	0	0
Intentional Self-Harm (Suicide)	0	0	2	2	5	9	10	3	8	39
Assault (Homicide)	0	0	1	2	1	2	0	3	3	12
Legal Intervention	0	0	0	0	0	0	0	0	0	0
Undetermined	0	0	0	0	1	0	0	1	0	2
Total	0	0	3	4	7	11	10	7	11	53

Non-Transport Accidental Injury Deaths  
Place Where Injury Occurred  
West Virginia Residents, 2016  
Table 23

Place of Injury	Male	Female	Total
Home	443	273	716
Farm	0	0	0
Mine and Quarry	5	0	5
Industrial Places	1	0	1
Public Building	0	0	0
Recreational Places	0	0	0
Resident Institution	0	0	0
Street and Highway	2	0	2
Other Specified Places	274	138	412
Unspecified Places	54	22	76
Total	779	433	1,212

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99*	Total Deaths, All Causes	22,721	12.3
A00-B99	Certain Infectious and Parasitic Diseases	553	30.0
A00-A09	Intestinal Infectious Diseases	90	4.9
A04	Other Bacterial Intestinal Infections	72	3.9
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	18	1.0
A15-A19	Tuberculosis	2	0.1
A16	Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically	1	0.1
A18	Tuberculosis of other organs	1	0.1
A30-A49	Other Bacterial Diseases	374	20.3
A31	Infection due to Other Mycobacteria	1	0.1
A40	Streptococcal Septicemia	3	0.2
A41	Other Septicemia	357	19.4
A48	Other Bacterial Diseases, Not Elsewhere Classified	1	0.1
A49	Bacterial Infection of Unspecified Site	12	0.7
A80-A89	Viral Infections of the Central Nervous System	4	0.2
A81	Slow Virus Infections of Central Nervous System	3	0.2
A86	Unspecified Viral Encephalitis	1	0.1
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	2	0.1
B00	Herpesviral [Herpes Simplex] Infection	1	0.1
B02	Zoster [Herpes Zoster]	1	0.1
B15-B19	Viral Hepatitis	44	2.4
B16	Acute Hepatitis B	4	0.2
B17	Other Acute Viral Hepatitis	1	0.1
B18	Chronic Viral Hepatitis	39	2.1
B20-B24	Human Immunodeficiency Virus [HIV] Disease	15	0.8
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	7	0.4
B21	Human Immunodeficiency Virus [HIV] Disease Resulting in Malignant Neoplasms	1	0.1
B22	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Specified Diseases	2	0.1
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	1	0.1
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	4	0.2
B25-B34	Other Viral Diseases	8	0.4
B25	Cytomegaloviral Disease	2	0.1
B27	Infectious Mononucleosis	1	0.1
B34	Viral Infection of Unspecified Site	5	0.3
B35-B49	Mycoses	6	0.3
B44	Aspergillosis	1	0.1
B45	Cryptococcosis	2	0.1
B49	Unspecified Mycosis	3	0.2
B85-B89	Pediculosis, Acariasis and Other Infestations	1	0.1
B85	Pediculosis and Phthiriasis	1	0.1
B90-B94	Sequelae of Infectious and Parasitic Diseases	5	0.3
B94	Sequelae of Other and Unspecified Infectious and Parasitic Diseases	5	0.3
B99	Other Infectious Diseases	2	0.1
B99	Other and Unspecified Infectious Diseases	2	0.1
C00-D48	Neoplasms	4,774	258.9
C00-C97	Malignant Neoplasms	4,651	252.2
C00	Malignant Neoplasm of Lip	2	0.1
C02	Malignant Neoplasm of Other and Unspecified Parts of Tongue	21	1.1
C05	Malignant Neoplasm of Palate	1	0.1
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	8	0.4
C07	Malignant Neoplasm of Parotid Gland	1	0.1
C08	Malignant Neoplasm of Other and Unspecified Major Salivary Glands	3	0.2
C09	Malignant Neoplasm of Tonsil	11	0.6
C10	Malignant Neoplasm of Oropharynx	13	0.7
C11	Malignant Neoplasm of Nasopharynx	2	0.1
C13	Malignant Neoplasm of Hypopharynx	3	0.2
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	11	0.6
C15-C26	Malignant Neoplasms of Digestive Organs	1,117	60.6
C15	Malignant Neoplasm of Esophagus	157	8.5
C16	Malignant Neoplasm of Stomach	57	3.1

\*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.  
West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C17	Malignant Neoplasm of Small Intestine	4	0.2
C18	Malignant Neoplasm of Colon	380	20.6
C19	Malignant Neoplasm of Rectosigmoid Junction	16	0.9
C20	Malignant Neoplasm of Rectum	48	2.6
C21	Malignant Neoplasm of Anus and Anal Canal	8	0.4
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	148	8.0
C23	Malignant Neoplasm of Gallbladder	10	0.5
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	19	1.0
C25	Malignant Neoplasm of Pancreas	263	14.3
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	7	0.4
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,442	78.2
C30	Malignant Neoplasm of Nasal Cavity and Middle Ear	1	0.1
C31	Malignant Neoplasm of Accessory Sinuses	3	0.2
C32	Malignant Neoplasm of Larynx	44	2.4
C33	Malignant Neoplasm of Trachea	1	0.1
C34	Malignant Neoplasm of Bronchus and Lung	1,390	75.4
C37	Malignant Neoplasm of Thymus	1	0.1
C38	Malignant Neoplasm of Heart, Mediastinum and Pleura	2	0.1
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	8	0.4
C41	Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites	8	0.4
C43-C44	Melanoma and Other Malignant Neoplasms of Skin	97	5.3
C43	Malignant Neoplasm of Skin	58	3.1
C44	Other Malignant Neoplasms of Skin	39	2.1
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	55	3.0
C45	Mesothelioma	23	1.2
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	6	0.3
C49	Malignant Neoplasm of Other Connective and Soft Tissue	26	1.4
C50	Malignant Neoplasm of Breast	293	15.9
C50	Malignant Neoplasm of Breast	293	15.9
C51-C58	Malignant Neoplasms of Female Genital Organs	212	11.5
C51	Malignant Neoplasm of Vulva	13	0.7
C52	Malignant Neoplasm of Vagina	7	0.4
C53	Malignant Neoplasm of Cervix Uteri	38	2.1
C54	Malignant Neoplasm of Corpus Uteri	34	1.8
C55	Malignant Neoplasm of Uterus, Part Unspecified	18	1.0
C56	Malignant Neoplasm of Ovary	100	5.4
C57	Malignant Neoplasm of Other and Unspecified Female Genital Organs	2	0.1
C60-C63	Malignant Neoplasms of Male Genital Organs	210	11.4
C60	Malignant Neoplasm of Penis	2	0.1
C61	Malignant Neoplasm of Prostate	203	11.0
C62	Malignant Neoplasm of Testis	3	0.2
C63	Malignant Neoplasm of Other and Unspecified Male Genital Organs	2	0.1
C64-C68	Malignant Neoplasms of Urinary Tract	226	12.3
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	93	5.0
C65	Malignant Neoplasm of Renal Pelvis	5	0.3
C67	Malignant Neoplasm of Bladder	122	6.6
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	6	0.3
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	115	6.2
C69	Malignant Neoplasm of Eye and Adnexa	2	0.1
C71	Malignant Neoplasm of Brain	111	6.0
C72	Malignant Neoplasm of Spinal Cord, Cranial Nerves and Other Parts of the Central Nervous System	2	0.1
C73-C75	Malignant Neoplasms of Other Endocrine Glands	14	0.8
C73	Malignant Neoplasm of Thyroid Gland	8	0.4
C74	Malignant Neoplasm of Adrenal Gland	4	0.2
C75	Malignant Neoplasm of Other Endocrine Glands and Related Structures	2	0.1
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	309	16.8
C76	Malignant Neoplasm of Other and Ill-Defined Sites	16	0.9
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	32	1.7
C79	Secondary Malignant Neoplasm of Other Sites	31	1.7
C80	Malignant Neoplasm without Specification of Site	230	12.5

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	438	23.8
C81	Hodgkin's Disease	9	0.5
C82	Follicular [Nodular] Non-Hodgkin's Lymphoma	6	0.3
C83	Diffuse Non-Hodgkin's Lymphoma	33	1.8
C84	Peripheral and Cutaneous T-Cell Lymphoma	9	0.5
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	108	5.9
C88	Malignant Immunoproliferative Diseases	1	0.1
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	82	4.4
C91	Lymphoid Leukemia	55	3.0
C92	Myeloid Leukemia	91	4.9
C93	Monocytic Leukemia	2	0.1
C95	Leukemia of Unspecified Cell Type	42	2.3
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	39	2.1
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	39	2.1
D10-D36	Benign Neoplasms	6	0.3
D32	Benign Neoplasm of Meninges	6	0.3
D37-D48	Neoplasms of Uncertain or Unknown Behavior	117	6.3
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	11	0.6
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	10	0.5
D39	Neoplasm of Uncertain or Unknown Behavior of Female Genital Organs	2	0.1
D40	Neoplasm of Uncertain or Unknown Behavior of Male Genital Organs	1	0.1
D41	Neoplasm of Uncertain or Unknown Behavior of Urinary Organs	3	0.2
D42	Neoplasm of Uncertain or Unknown Behavior of Meninges	1	0.1
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	14	0.8
D45	Polycythemia Vera	2	0.1
D46	Myelodysplastic Syndromes	54	2.9
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	11	0.6
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	8	0.4
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	108	5.9
D50-D53	Nutritional Anemias	3	0.2
D50	Iron Deficiency Anemia	3	0.2
D55-D59	Hemolytic Anemias	7	0.4
D57	Sickle-Cell Disorders	2	0.1
D58	Other Hereditary Hemolytic Anemias	3	0.2
D59	Acquired Hemolytic Anemia	2	0.1
D60-D64	Aplastic and Other Anemias	56	3.0
D61	Other Aplastic Anemias	10	0.5
D62	Acute Posthemorrhagic Anemia	3	0.2
D64	Other Anemias	43	2.3
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	28	1.5
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	8	0.4
D68	Other Coagulation Defects	8	0.4
D69	Purpura and Other Hemorrhagic Conditions	12	0.7
D70-D77	Other Diseases of Blood and Blood-forming Organs	7	0.4
D70	Agranulocytosis	2	0.1
D72	Other Disorders of White Blood Cells	1	0.1
D73	Diseases of Spleen	1	0.1
D75	Other Diseases of Blood and-Blood forming Organs	1	0.1
D76	Certain Diseases Involving Lymphoreticular Tissue and Reticulohistiocytic System	2	0.1
D80-D89	Certain Disorders Involving the Immune Mechanism	7	0.4
D86	Sarcoidosis	4	0.2
D89	Other Disorders Involving the Immune Mechanism, Not Elsewhere Classified	3	0.2
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,257	68.2
E00-E07	Disorders of Thyroid Gland	17	0.9
E03	Other Hypothyroidism	17	0.9
E10-E14	Diabetes Mellitus	859	46.6
E10	Insulin-Dependent Diabetes Mellitus	57	3.1
E11	Non-Insulin-Dependent Diabetes Mellitus	325	17.6
E12	Malnutrition-Related Diabetes Mellitus	1	0.1
E14	Unspecified Diabetes Mellitus	476	25.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	5	0.3
E15	Nondiabetic Hypoglycemic Coma	1	0.1
E16	Other Disorders of Pancreatic Internal Secretion	4	0.2
E20-E35	Disorders of Other Endocrine Glands	3	0.2
E23	Hyperfunction and Other Disorders of Pituitary Gland	2	0.1
E27	Other Disorders of Adrenal Gland	1	0.1
E40-E46	Malnutrition	47	2.5
E41	Nutritional Marasmus	1	0.1
E43	Unspecified Severe Protein-Energy Malnutrition	30	1.6
E46	Unspecified Protein-Energy Malnutrition	16	0.9
E50-E64	Other Nutritional Deficiencies	2	0.1
E51	Thiamine Deficiency	1	0.1
E63	Other Nutritional Deficiencies	1	0.1
E65-E68	Obesity and Other Hyperalimentation	84	4.6
E66	Obesity	84	4.6
E70-E90	Metabolic Disorders	240	13.0
E72	Other Disorders of Amino-Acid Metabolism	1	0.1
E76	Disorders of Glycosaminoglycan Metabolism	1	0.1
E78	Disorders of Lipoprotein Metabolism and Other Lipidemias	127	6.9
E83	Disorders of Mineral Metabolism	3	0.2
E84	Cystic Fibrosis	4	0.2
E85	Amyloidosis	10	0.5
E86	Volume Depletion	13	0.7
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	65	3.5
E88	Other Metabolic Disorders	16	0.9
F00-F99	Mental and Behavioral Disorders	1,065	57.8
F00-F09	Organic, Including Symptomatic, Mental Disorders	914	49.6
F01	Vascular Dementia	86	4.7
F03	Unspecified Dementia	815	44.2
F05	Delirium, Not Induced by Alcohol and Other Psychoactive Substances	2	0.1
F06	Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease	11	0.6
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	127	6.9
F10	Mental and Behavioral Disorders due to Use of Alcohol	100	5.4
F11	Mental and Behavioral Disorders due to Use of Opioids	1	0.1
F17	Mental and Behavioral Disorders due to Use of Tobacco	6	0.3
F19	Mental and Behavioral Disorders due to Multiple Drug Use and Use of Other Psychoactive Substances	20	1.1
F20-F29	Schizophrenia, Schizotypal and Delusional Disorders	2	0.1
F20	Schizophrenia	2	0.1
F30-F39	Mood [Affective] Disorders	4	0.2
F31	Bipolar Affective Disorder	2	0.1
F32	Depressive Episode	2	0.1
F40-F48	Neurotic, Stress-Related and Somatoform Disorders	5	0.3
F41	Other Anxiety Disorders	2	0.1
F43	Reaction to Severe Stress, and Adjustment Disorders	3	0.2
F50-F59	Behavioral Syndromes Associated with Physiological Disturbances and Physical Factors	3	0.2
F50	Eating Disorders	1	0.1
F54	Psychological and Behavioral Factors Associated with Disorders or Diseases Classified Elsewhere	2	0.1
F70-F79	Mental Retardation	10	0.5
F72	Severe Mental Retardation	3	0.2
F73	Profound Mental Retardation	1	0.1
F79	Unspecified Mental Retardation	6	0.3
G00-G99	Diseases of the Nervous System	1,373	74.5
G00-G09	Inflammatory Diseases of the Central Nervous System	11	0.6
G00	Bacterial Meningitis, Not Elsewhere Classified	1	0.1
G03	Meningitis due to Other and Unspecified Causes	2	0.1
G04	Encephalitis, Myelitis and Encephalomyelitis	2	0.1
G06	Intracranial and Intraspinous Abscess and Granuloma	4	0.2
G09	Sequelae of Inflammatory Diseases of Central Nervous System	2	0.1
G10-G14	Systemic Atrophies Primarily Affecting the Central Nervous System	57	3.1
G10	Huntington's Disease	6	0.3

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
G11	Hereditary Ataxia	3	0.2
G12	Spinal Muscular Atrophy and Related Syndromes	48	2.6
G20-G26	Extrapyramidal and Movement Disorders	209	11.3
G20	Parkinson's Disease	198	10.7
G21	Secondary Parkinsonism	3	0.2
G23	Other Degenerative Diseases of Basal Ganglia	7	0.4
G25	Other Extrapyramidal and Movement Disorders	1	0.1
G30-G32	Other Degenerative Diseases of the Nervous System	900	48.8
G30	Alzheimer's Disease	783	42.5
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	117	6.3
G35-G37	Demyelinating Diseases of the Central Nervous System	30	1.6
G35	Multiple Sclerosis	29	1.6
G37	Other Demyelinating	1	0.1
G40-G47	Episodic and Paroxysmal Disorders	31	1.7
G40	Epilepsy	9	0.5
G41	Status Epilepticus	8	0.4
G45	Transient Cerebral Ischemic Attacks and Related Syndromes	1	0.1
G47	Sleep Disorders	13	0.7
G60-G64	Polynuropathies and Other Disorders of the Peripheral Nervous System	9	0.5
G60	Hereditary and Idiopathic Neuropathy	5	0.3
G61	Inflammatory Polyneuropathy	1	0.1
G62	Other Polyneuropathies	3	0.2
G70-G73	Diseases of Myoneural Junction and Muscle	16	0.9
G70	Myasthenia Gravis and Other Myoneural Disorders	6	0.3
G71	Primary Disorders of Muscles	9	0.5
G72	Other Myopathies	1	0.1
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	25	1.4
G80	Infantile Cerebral Palsy	21	1.1
G81	Hemiplegia	1	0.1
G82	Paraplegia and Tetraplegia	2	0.1
G83	Other Paralytic Syndromes	1	0.1
G90-G99	Other Disorders of the Nervous System	85	4.6
G90	Disorders of Autonomic Nervous System	1	0.1
G91	Hydrocephalus	4	0.2
G92	Toxic Encephalopathy	2	0.1
G93	Other Disorders of Brain	76	4.1
G95	Other Diseases of Spinal Cord	2	0.1
H60-H95	Diseases of the Ear	1	0.1
H65-H75	Diseases of Middle Ear and Mastoid	1	0.1
H66	Suppurative and Unspecified Otitis Media	1	0.1
I00-I99	Diseases of the Circulatory System	6,396	346.8
I00-I09, I11, I13, I20-I51	Diseases of the Heart	4,762	258.2
I05-I09	Chronic Rheumatic Heart Diseases	15	0.8
I05	Rheumatic Mitral Valve Diseases	7	0.4
I06	Rheumatic Aortic Valve Diseases	1	0.1
I07	Rheumatic Tricuspid Valve Diseases	4	0.2
I08	Multiple Valve Diseases	3	0.2
I10-I15	Hypertensive Diseases	436	23.6
I10	Essential (Primary) Hypertension	203	
I11	Hypertensive Heart Disease	113	6.1
I12	Hypertensive Renal Disease	87	4.7
I13	Hypertensive Heart and Renal Disease	33	1.8
I20-I25	Ischemic Heart Diseases	3,148	170.7
I20	Angina Pectoris	1	0.1
I21	Acute Myocardial Infarction	936	50.8
I24	Other Acute Ischemic Heart Diseases	21	1.1
I25	Chronic Ischemic Heart Disease	2,190	118.8
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	103	5.6
I26	Pulmonary Embolism	54	2.9

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
I27	Other Pulmonary Heart Diseases	49	2.7
I30-I52	Other forms of Heart Diseases	1,350	73.2
I31	Other Diseases of Pericardium	11	0.6
I33	Acute and Subacute Endocarditis	14	0.8
I34	Nonrheumatic Mitral Valve Disorders	13	0.7
I35	Nonrheumatic Aortic Valve Disorders	90	4.9
I36	Nonrheumatic Tricuspid Valve Disorders	1	0.1
I38	Endocarditis, Valve Unspecified	35	1.9
I40	Acute Myocarditis	3	0.2
I42	Cardiomyopathy	175	9.5
I44	Atrioventricular and Left Bundle-Branch Block	1	0.1
I45	Other Conduction Disorders	8	0.4
I46	Cardiac Arrest	41	2.2
I47	Paroxysmal Tachycardia	7	0.4
I48	Atrial Fibrillation and Flutter	200	10.8
I49	Other Cardiac Arrhythmias	63	3.4
I50	Heart Failure	564	30.6
I51	Complications and Ill-Defined Descriptions of Heart Disease	124	6.7
I60-I69	Cerebrovascular Diseases	1,038	56.3
I60	Subarachnoid Hemorrhage	37	2.0
I61	Intracerebral Hemorrhage	141	7.6
I62	Other Nontraumatic Intracranial Hemorrhage	78	4.2
I63	Cerebral Infarction	87	4.7
I64	Stroke, Not Specified as Hemorrhage or Infarction	560	30.4
I67	Other Cerebrovascular Diseases	46	2.5
I69	Sequelae of Cerebrovascular Disease	89	4.8
I70-I79	Diseases of Arteries, Arterioles and Capillaries	264	14.3
I70	Atherosclerosis	100	5.4
I71	Aortic Aneurysm and Dissection	83	4.5
I72	Other Aneurysm	7	0.4
I73	Other Peripheral Vascular Diseases	59	3.2
I74	Arterial Embolism and Thrombosis	4	0.2
I77	Other Disorders of Arteries and Arterioles	11	0.6
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	39	2.1
I80	Phlebitis and Thrombophlebitis	24	1.3
I81	Portal Vein Thrombosis	1	0.1
I82	Other Venous Embolism and Thrombosis	4	0.2
I83	Varicose Veins of Lower Extremities	2	0.1
I84	Hemorrhoids	1	0.1
I85	Esophageal Varices	4	0.2
I89	Other Noninfective Disorders of Lymphatic Vessels and Lymph Nodes	3	0.2
I95-I99	Other and Unspecified Disorders of the Circulatory System	3	0.2
I99	Other and Unspecified Disorders of Circulatory System	3	0.2
J00-J99	Diseases of the Respiratory System	2,493	135.2
J09-J18	Influenza and Pneumonia	421	22.8
J09	Influenza due to Identified Avian Influenza Virus	1	0.1
J10	Influenza due to Identified Influenza Virus	14	0.8
J11	Influenza, Virus Not Identified	15	0.8
J12	Viral Pneumonia, Not Elsewhere Classified	4	0.2
J13	Pneumonia due to Streptococcus Pneumoniae	1	0.1
J15	Bacterial Pneumonia, Not Elsewhere Classified	22	1.2
J18	Pneumonia, Organism Unspecified	364	19.7
J20-J22	Other Acute Lower Respiratory Infections	1	0.1
J20	Acute Bronchitis	1	0.1
J30-J39	Other Diseases of Upper Respiratory Tract	2	0.1
J38	Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	1	0.1
J39	Other Diseases of Upper Respiratory Tract	1	0.1
J40-J47	Chronic Lower Respiratory Diseases	1,595	86.5
J43	Emphysema	65	3.5
J44	Other Chronic Obstructive Pulmonary Disease	1,504	81.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
J45	Asthma	23	1.2
J46	Status Asthmaticus	2	0.1
J47	Bronchiectasis	1	0.1
J60-J70	Lung Diseases due to External Agents	184	10.0
J60	Coalworker's Pneumoconiosis	19	1.0
J61	Pneumoconiosis due to Asbestos and Other Mineral Fibers	6	0.3
J64	Unspecified Pneumoconiosis	12	0.7
J67	Hypersensitivity Pneumonitis due to Organic Dust	1	0.1
J69	Pneumonitis due to Solids and Liquids	145	7.9
J70	Respiratory Conditions due to Other External Agents	1	0.1
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	164	8.9
J80	Adult Respiratory Distress Syndrome	21	1.1
J81	Pulmonary Edema	2	0.1
J82	Pulmonary Eosinophilia, Not Elsewhere Classified	2	0.1
J84	Other Interstitial Pulmonary Diseases	139	7.5
J85-J86	Suppurative and Necrotic Conditions of Lower Respiratory Tract	9	0.5
J85	Abscess of Lung and Mediastinum	5	0.3
J86	Pyothorax	4	0.2
J90-J94	Other Diseases of Pleura	19	1.0
J90	Pleural Effusion, Not Elsewhere Classified	11	0.6
J92	Pleural Plaque	1	0.1
J93	Pneumothorax	5	0.3
J94	Other Pleural Conditions	2	0.1
J95-J99	Other Diseases of the Respiratory System	98	5.3
J96	Respiratory Failure, Not Elsewhere Classified	52	2.8
J98	Other Respiratory Disorders	46	2.5
K00-K93	Diseases of the Digestive System	871	47.2
K00-K14	Diseases of Oral Cavity, Salivary Glands and Jaws	2	0.1
K11	Diseases of Salivary Glands	2	0.1
K20-K31	Diseases of Esophagus, Stomach and Duodenum	55	3.0
K21	Gastro-esophageal Reflux Disease	7	0.4
K22	Other Diseases of Esophagus	14	0.8
K25	Gastric Ulcer	9	0.5
K26	Duodenal Ulcer	10	0.5
K27	Peptic Ulcer, Site Unspecified	6	0.3
K31	Other Diseases of Stomach and Duodenum	9	0.5
K35-K38	Diseases of Appendix	4	0.2
K35	Acute Appendicitis	3	0.2
K37	Unspecified Appendicitis	1	0.1
K40-K46	Hernia	12	0.7
K40	Inguinal Hernia	1	0.1
K43	Ventral Hernia	3	0.2
K44	Diaphragmatic Hernia	4	0.2
K46	Unspecified Abdominal Hernia	4	0.2
K50-K52	Noninfective Enteritis and Colitis	11	0.6
K50	Crohn's Disease [Regional Enteritis]	6	0.3
K51	Ulcerative Colitis	1	0.1
K52	Other Noninfective Gastroenteritis and Colitis	4	0.2
K55-K63	Other Diseases of Intestines	191	10.4
K55	Vascular Disorders of Intestine	70	3.8
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	52	2.8
K57	Diverticular Disease of Intestine	20	1.1
K59	Other Functional Intestinal Disorders	2	0.1
K62	Other Diseases of Anus and Rectum	2	0.1
K63	Other Diseases of Intestine	45	2.4
K65-K67	Diseases of Peritoneum	10	0.5
K65	Peritonitis	9	0.5
K66	Other Disorders of Peritoneum	1	0.1
K70-K77	Diseases of Liver	425	23.0
K70	Alcoholic Liver Disease	106	5.7

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
K72	Hepatic Failure, Not Elsewhere Classified	32	1.7
K73	Chronic Hepatitis, Not Elsewhere Classified	1	0.1
K74	Fibrosis and Cirrhosis of Liver	204	11.1
K75	Other Inflammatory Liver Diseases	7	0.4
K76	Other Diseases of Liver	75	4.1
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	91	4.9
K80	Chololithiasis	14	0.8
K81	Cholecystitis	24	1.3
K82	Other Diseases of Gallbladder	1	0.1
K83	Other Diseases of Biliary Tract	10	0.5
K85	Acute Pancreatitis	27	1.5
K86	Other Diseases of Pancreas	15	0.8
K90-K93	Other Diseases of the Digestive System	70	3.8
K90	Intestinal Malabsorption	3	0.2
K92	Other Diseases of Digestive System	67	3.6
L00-L99	Diseases of the Skin and Subcutaneous Tissue	42	2.3
L00-L08	Infections of the Skin and Subcutaneous Tissue	24	1.3
L02	Cutaneous Abscess, Furuncle and Carbuncle	2	0.1
L03	Cellulitis	17	0.9
L08	Other Local Infections of Skin and Subcutaneous Tissue	5	0.3
L10-L14	Bullous Disorders	1	0.1
L10	Pemphigus	1	0.1
L40-L45	Papulosquamous Disorders	1	0.1
L40	Psoriasis	1	0.1
L50-L54	Urticaria and Erythema	1	0.1
L53	Other Erythematous Conditions	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	15	0.8
L89	Decubitus Ulcer	10	0.5
L93	Lupus Erythematosus	2	0.1
L97	Ulcer of Lower Limb, Not Elsewhere Classified	1	0.1
L98	Other Disorders of Skin and Subcutaneous Tissue, Not Elsewhere Classified	2	0.1
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	109	5.9
M00-M25	Arthropathies	20	1.1
M00-M03	Infectious Arthropathies	4	0.2
M00	Pyogenic Arthritis	4	0.2
M05-M14	Inflammatory Polyarthropathies	12	0.7
M05	Seropositive Rheumatoid Arthritis	1	0.1
M06	Other Rheumatoid Arthritis	11	0.6
M15-M19	Arthrosis	2	0.1
M19	Other Arthrosis	2	0.1
M20-M25	Other Joint Disorders	2	0.1
M24	Other Specific Joint Derangements	1	0.1
M25	Other Joint Disorders, Not Elsewhere Classified	1	0.1
M30-M36	Systemic Connective Tissue Disorders	24	1.3
M31	Other Necrotizing Vasculopathies	7	0.4
M32	Systemic Lupus Erythematosus	5	0.3
M34	Systemic Sclerosis	11	0.6
M35	Other Systemic Involvement of Connective Tissue	1	0.1
M40-M54	Dorsopathies	10	0.5
M40-M43	Deforming Dorsopathies	1	0.1
M41	Scoliosis	1	0.1
M45-M49	Spondylopathies	9	0.5
M46	Other Inflammatory Spondylopathies	3	0.2
M47	Spondylosis	1	0.1
M48	Other Spondylopathies	5	0.3
M60-M79	Soft Tissue Disorders	18	1.0
M60-M63	Disorders of Muscles	14	0.8
M62	Other Disorders of Muscle	14	0.8
M70-M79	Other Soft Tissue Disorders	4	0.2
M72	Fibroblastic Disorders	4	0.2

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
M80-M94	Osteopathies and Chondropathies	37	2.0
M80-M85	Disorders of Bone Density and Structure	6	0.3
M80	Osteoporosis with Pathological Fracture	2	0.1
M81	Osteoporosis without Pathological Fracture	3	0.2
M84	Disorders of Continuity of Bone	1	0.1
M86-M90	Other Osteopathies	31	1.7
M86	Osteomyelitis	26	1.4
M89	Other Disorders of Bone	5	0.3
N00-N99	Diseases of the Genitourinary System	654	35.5
N00-N08	Glomerular Diseases	8	0.4
N00	Acute Nephritic Syndrome	5	0.3
N02	Recurrent and Persistent Hematuria	1	0.1
N04	Nephrotic Syndrome	1	0.1
N05	Unspecified Nephritic Syndrome	1	0.1
N10-N16	Renal Tubulo-Interstitial Diseases	8	0.4
N12	Tubulo-Interstitial Nephritis, Not Specified as Acute or Chronic	4	0.2
N13	Obstructive and Reflux Uropathy	2	0.1
N15	Other Renal Tubulo-Interstitial Diseases	2	0.1
N17-N19	Renal Failure	468	25.4
N17	Acute Renal Failure	81	4.4
N18	Chronic Renal Failure	289	15.7
N19	Unspecified Renal Failure	98	5.3
N20-N23	Urolithiasis	3	0.2
N20	Calculus of Kidney and Ureter	2	0.1
N21	Calculus of Lower Urinary Tract	1	0.1
N25-N29	Other Disorders of Kidney and Ureter	37	2.0
N28	Other Disorders of Kidney and Ureter, Not Elsewhere Classified	37	2.0
N30-N39	Other Diseases of the Urinary System	122	6.6
N30	Cystitis	1	0.1
N32	Other Disorders of Bladder	1	0.1
N39	Other Disorders of Urinary System	120	6.5
N40-N51	Diseases of Male Genital Organs	2	0.1
N40	Hyperplasia of Prostate	2	0.1
N70-N77	Inflammatory Diseases of Female Pelvic Organs	1	0.1
N73	Other Female Pelvic Inflammatory Diseases	1	0.1
N80-N98	Noninflammatory Disorders of Female Genital Tract	5	0.3
N82	Fistula Involving Female Genital Tract	1	0.1
N83	Noninflammatory Disorders of Ovary, Fallopian Tube and Broad Ligament	2	0.1
N85	Other Noninflammatory Disorders of Uterus, Except Cervix	1	0.1
N93	Other Abnormal Uterine and Vaginal Bleeding	1	0.1
O00-O99**	Pregnancy, Childbirth and the Puerperium	3	15.2
O85-O92	Complications Predominantly Related to the Puerperium	2	10.1
O90	Complications of the Puerperium, Not Elsewhere Classified	2	10.1
O95-O99	Other Obstetric Conditions, Not Elsewhere Classified	1	5.1
O96	Death from Any Obstetric Cause Occurring More Than 42 Days But Less Than One Year After Delivery	1	5.1
P00-P96	Certain Conditions Originating in the Perinatal Period	62	3.4
P00-P04	Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	10	0.5
P01	Fetus and Newborn Affected by Maternal Complications of Pregnancy	4	0.2
P02	Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes	5	0.3
P04	Fetus and Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	1	0.1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	20	1.1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	20	1.1
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	15	0.8
P21	Birth Asphyxia	2	0.1
P22	Respiratory Distress of Newborn	5	0.3
P24	Neonatal Aspiration Syndromes	1	0.1
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	1	0.1
P29	Cardiovascular Disorders Originating in the Perinatal Period	3	0.2

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

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
P35-P39	Infections Specific to the Perinatal Period	9	0.5
P36	Bacterial Sepsis of Newborn	6	0.3
P37	Other Congenital Infectious and Parasitic Diseases	1	0.1
P39	Other Infections Specific to the Perinatal Period	2	0.1
P50-P61	Hemorrhagic and Hematological Disorders of Fetus and Newborn	2	0.1
P52	Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	2	0.1
P75-P78	Digestive System Disorders of Fetus and Newborn	1	0.1
P78	Other Perinatal Digestive System Disorders	1	0.1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus and Newborn	2	0.1
P83	Other Conditions of Integument Specific to Fetus and Newborn	2	0.1
P90-P96	Other Disorders Originating in the Perinatal Period	3	0.2
P91	Other Disturbances of Cerebral Status of Newborn	3	0.2
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	87	4.7
Q00-Q07	Congenital Malformations of the Nervous System	18	1.0
Q00	Anencephaly and Similar Malformations	4	0.2
Q03	Congenital Hydrocephalus	3	0.2
Q04	Other Congenital Malformations of Brain	6	0.3
Q05	Spina Bifida	5	0.3
Q20-Q28	Congenital Malformations of the Circulatory System	20	1.1
Q20	Congenital Malformations of Cardiac Chambers and Connections	2	0.1
Q21	Congenital Malformations of Cardiac Septa	5	0.3
Q23	Congenital Malformations of Aortic and Mitral Valves	3	0.2
Q24	Other Congenital Malformations of the Heart	2	0.1
Q25	Congenital Malformations of Great Arteries	3	0.2
Q27	Other Congenital Malformations of Peripheral Vascular System	5	0.3
Q30-Q34	Congenital Malformations of the Respiratory System	1	0.1
Q33	Congenital Malformations of Lung	1	0.1
Q38-Q45	Other Congenital Malformations of the Digestive System	2	0.1
Q39	Congenital Malformations of Esophagus	1	0.1
Q44	Congenital Malformations of Gallbladder, Bile Ducts and Liver	1	0.1
Q60-Q64	Congenital Malformations of the Urinary System	8	0.4
Q60	Renal Agenesis and Other Reduction Defects of Kidney	2	0.1
Q61	Cystic Kidney Disease	5	0.3
Q62	Congenital Obstructive Defects of Renal Pelvis and Congenital Malformations of Ureter	1	0.1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	6	0.3
Q67	Congenital Musculoskeletal Deformities of Head, Face, Spine and Chest	1	0.1
Q75	Other Congenital Malformations of Skull and Face Bones	1	0.1
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	1	0.1
Q78	Other Osteochondrodysplasias	1	0.1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	2	0.1
Q80-Q89	Other Congenital Malformations	10	0.5
Q81	Epidermolysis Bullosa	1	0.1
Q85	Phakomatoses, Not Elsewhere Classified	2	0.1
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	5	0.3
Q89	Other Congenital Malformations, Not Elsewhere Classified	2	0.1
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	22	1.2
Q90	Down's Syndrome	17	0.9
Q91	Edwards' Syndrome and Patau's Syndrome	3	0.2
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere Classified	1	0.1
Q93	Monosomies and Deletions from the Autosomes, Not Elsewhere Classified	1	0.1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	584	31.7
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	22	1.2
R00	Abnormalities of Heart Beat	1	0.1
R01	Cardiac Murmurs and Other Cardiac Sounds	1	0.1
R02	Gangrene, Not Elsewhere Classified	1	0.1
R04	Hemorrhage from Respiratory Passages	3	0.2
R06	Abnormalities of Breathing	4	0.2
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	12	0.7
R10-R19	Symptoms and Signs Involving the Digestive System and Abdomen	4	0.2
R13	Dysphagia	3	0.2

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
R19	Other Symptoms and Signs Involving the Digestive System and Abdomen	1	0.1
R25-R29	Symptoms and Signs Involving the Nervous and Musculoskeletal System	2	0.1
R29	Other Symptoms and Signs Involving the Nervous and Musculoskeletal System	2	0.1
R50-R69	General Symptoms and Signs	115	6.2
R50	Fever of Unknown Origin	1	0.1
R52	Pain, Not Elsewhere Classified	1	0.1
R53	Malaise and Fatigue	2	0.1
R54	Senility	36	2.0
R55	Syncope and Collapse	1	0.1
R56	Convulsions, Not Elsewhere Classified	10	0.5
R57	Shock, Not Elsewhere Classified	15	0.8
R58	Hemorrhage, Not Elsewhere Classified	8	0.4
R59	Enlarged Lymph Nodes	1	0.1
R62	Lack of Expected Normal Physiological Development	27	1.5
R64	Cachexia	1	0.1
R68	Other General Symptoms and Signs	12	0.7
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	436	23.6
R95	Sudden Infant Death Syndrome	23	1.2
R96	Other Sudden Death, Cause Unknown	3	0.2
R99	Other Ill-Defined and Unspecified Causes of Mortality	410	22.2
V01-Y98	External Causes of Morbidity and Mortality	2,288	124.1
V01-V99	Transport Accidents	307	16.6
V01-V09	Pedestrian Injured in Transport Accident	29	1.6
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	9	0.5
V04	Pedestrian Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V05	Pedestrian Injured in Collision with Railway Train or Railway Vehicle	3	0.2
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	16	0.9
V10-V19	Pedal Cyclist Injured in Transport Accident	2	0.1
V13	Pedal Cyclist Injured in Collision with Car, Pickup Truck or Van	1	0.1
V18	Pedal Cyclist Injured in Noncollision Transport Accident	1	0.1
V20-V29	Motorcycle Rider Injured in Transport Accident	33	1.8
V22	Motorcycle Rider Injured in Collision with Two- or Three-Wheeled Motor Vehicle	2	0.1
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	7	0.4
V24	Motorcycle Rider Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V27	Motorcycle Rider Injured in Collision with Fixed or Stationary Object	2	0.1
V28	Motorcycle Rider Injured in Noncollision Transport Accident	9	0.5
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	12	0.7
V40-V49	Car Occupant Injured in Transport Accident	26	1.4
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	7	0.4
V44	Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus	4	0.2
V47	Car Occupant Injured in Collision with Fixed or Stationary Object	5	0.3
V48	Car Occupant Injured in Noncollision Transport Accident	4	0.2
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	6	0.3
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	11	0.6
V50	Occupant of Pickup or Van Injured in Collision with Pedestrian or Animal	1	0.1
V53	Occupant of Pickup or Van Injured in Collision with Car, Pickup Truck or Van	2	0.1
V55	Occupant of Pickup or Van Injured in Collision with Railway Train or Railway Vehicle	1	0.1
V57	Occupant of Pickup or Van Injured in Collision with Fixed or Stationary Object	1	0.1
V58	Occupant of Pickup or Van Injured in Noncollision Transport Accident	6	0.3
V60-V69	Occupant of Heavy Transport Vehicle Injured in Transport Accident	2	0.1
V64	Occupant of Heavy Transport Vehicle Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V69	Occupant of Heavy Transport Vehicle Injured in Other and Unspecified Transport Accidents	1	0.1
V80-V89	Other Land Transport Accidents	201	10.9
V84	Occupant of Special Vehicle Mainly Used in Agriculture Injured in Transport Accident	1	0.1
V85	Occupant of Special Construction Vehicle Injured in Transport Accident	1	0.1
V86	Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident	31	1.7
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	52	2.8
V88	Nontraffic Accident of Specified Type But Victim's Mode of Transport Unknown	1	0.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	115	6.2
V90-V94	Water Transport Accidents	2	0.1
V90	Accident to Watercraft Causing Drowning and Submersion	1	0.1
V92	Water-Transport-Related Drowning and Submersion without Accident to Watercraft	1	0.1
V95-V97	Air and Space Transport Accidents	1	0.1
V95	Accident to Powered Aircraft Causing Injury to Occupant	1	0.1
W00-X59	Other External Causes of Accidental Injury	1,380	74.8
W00-W19	Falls	323	17.5
W00	Fall on Same Level Involving Ice and Snow	2	0.1
W01	Fall on Same Level from Slipping, Tripping and Stumbling	10	0.5
W05	Fall Involving Wheelchair	6	0.3
W06	Fall Involving Bed	16	0.9
W07	Fall Involving Chair	3	0.2
W10	Fall on and from Stairs and Steps	44	2.4
W11	Fall on and from Ladder	4	0.2
W12	Fall on and from Scaffolding	1	0.1
W13	Fall from, out of or through Building or Structure	10	0.5
W14	Fall from Tree	1	0.1
W17	Other Fall from One Level to Another	6	0.3
W18	Other Fall on Same Level	187	10.1
W19	Unspecified Fall	33	1.8
W20-W49	Exposure to Inanimate Mechanical Forces	34	1.8
W20	Struck by Thrown, Projected or Falling Object	12	0.7
W23	Caught, Crushed, Jammed or Pinched in or between Objects	1	0.1
W24	Contact with Lifting and Transmission Devices, Not Elsewhere Classified	1	0.1
W25	Contact with Sharp Glass	1	0.1
W28	Contact with Powered Lawnmower	2	0.1
W30	Contact with Agricultural Machinery	7	0.4
W31	Contact with Other and Unspecified Machinery	6	0.3
W33	Rifle, Shotgun and Larger Firearm Discharge	2	0.1
W34	Discharge from Other and Unspecified Firearms	1	0.1
W40	Explosion of Other Materials	1	0.1
W50-W64	Exposure to Animate Mechanical forces	1	0.1
W54	Bitten or Struck by Dog	1	0.1
W65-W74	Accidental Drowning and Submersion	31	1.7
W65	Drowning and Submersion while in Bathtub	1	0.1
W67	Drowning and Submersion while in Swimming Pool	5	0.3
W69	Drowning and Submersion while in Natural Water	16	0.9
W70	Drowning and Submersion Following Fall in Natural Water	2	0.1
W74	Unspecified Drowning and Submersion	7	0.4
W75-W84	Other Accidental Threats to Breathing	50	2.7
W75	Accidental Suffocation and Strangulation in Bed	5	0.3
W76	Other Accidental Hanging and Strangulation	1	0.1
W78	Inhalation of Gastric Contents	1	0.1
W79	Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	7	0.4
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	33	1.8
W83	Other Specified Threats to Breathing	1	0.1
W84	Unspecified Threat to Breathing	2	0.1
W85-W99	Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure	4	0.2
W86	Exposure to Other Specified Electric Current	1	0.1
W87	Exposure to Unspecified Electric Current	3	0.2
X00-X09	Exposure to Smoke, Fire and Flames	35	1.9
X00	Exposure to Uncontrolled Fire in Building or Structure	29	1.6
X02	Exposure to Controlled Fire in Building or Structure	1	0.1
X04	Exposure to Ignition of Highly Flammable Material	1	0.1
X06	Exposure to Ignition or Melting of Other Clothing and Apparel	2	0.1
X09	Exposure to Unspecified Smoke, Fire and Flames	2	0.1
X20-X29	Contact with Venomous Animals and Plants	2	0.1
X23	Contact with Hornets, Wasps and Bees	2	0.1
X30-X39	Exposure to Forces of Nature	19	1.0

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
X31	Exposure to Excessive Natural Cold	7	0.4
X38	Victim of Flood	12	0.7
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	847	45.9
X40	Accidental Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	2	0.1
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	45	2.4
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	301	16.3
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	468	25.4
X45	Accidental Poisoning by Alcohol	19	1.0
X47	Accidental Poisoning by Other Gases and Vapors	12	0.7
X58-X59	Accidental Exposure to Other and Unspecified Factors	34	1.8
X58	Exposure to Other Specified Factors	1	0.1
X59	Exposure to Unspecified Factors	33	1.8
X60-X84	Intentional Self-Harm	362	19.6
X61	Intentional Self-Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs	5	0.3
X62	Intentional Self-Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	1	0.1
X64	Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	28	1.5
X67	Intentional Self-Poisoning by Other Gases and Vapors	4	0.2
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	70	3.8
X71	Intentional Self-Harm by Drowning and Submersion	4	0.2
X72	Intentional Self-Harm by Handgun Discharge	89	4.8
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	39	2.1
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	112	6.1
X76	Intentional Self-Harm by Smoke, Fire and Flames	1	0.1
X78	Intentional Self-Harm by Sharp Object	3	0.2
X80	Intentional Self-Harm by Jumping from a High Place	4	0.2
X81	Intentional Self-Harm by Jumping or Lying Before a Moving Object	1	0.1
X82	Intentional Self-Harm by Crashing a Motor Vehicle	1	0.1
X85-Y09	Assault	109	5.9
X91	Assault by Hanging, Strangulation and Suffocation	2	0.1
X93	Assault by Handgun Discharge	27	1.5
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	8	0.4
X95	Assault by Other and Unspecified Firearm Discharge	44	2.4
X98	Assault by Steam, Hot Vapors and Hot Objects	1	0.1
X99	Assault by Sharp Object	11	0.6
Y04	Assault by Bodily Force	3	0.2
Y05	Sexual Assault by Bodily Force	1	0.1
Y07	Other Maltreatment Syndromes	1	0.1
Y09	Assault by Unspecified Means	11	0.6
Y10-Y34	Event of Undetermined Intent	64	3.5
Y10	Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics, Undetermined Intent	1	0.1
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined Intent	4	0.2
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent	6	0.3
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	21	1.1
Y17	Poisoning by Other Gases and Vapors, Undetermined Intent	3	0.2
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	1	0.1
Y21	Drowning and Submersion, Undetermined Intent	1	0.1
Y22	Handgun 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	13	0.7
Y30	Falling, Jumping or Pushed from a High Place, Undetermined Intent	2	0.1
Y33	Other Specified Events, Undetermined Intent	1	0.1
Y34	Unspecified Event, Undetermined Intent	9	0.5
Y35-Y36	Legal Intervention and Operations of War	12	0.7
Y35	Legal Intervention	12	0.7
Y40-Y84	Complications of Medical and Surgical Care	30	1.6
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	1	0.1
Y57	Other and Unspecified Drugs and Medicaments	1	0.1
Y60-Y69	Misadventures to Patients during Surgical and Medical Care	2	0.1
Y60	Unintentional Cut, Puncture, Perforation or Hemorrhage during Surgical and Medical Care	2	0.1
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	27	1.5

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Deaths: Number and Rate  
West Virginia, 2016  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	23	1.2
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	24	1.3
Y85	Sequelae of Transport Accidents	9	0.5
Y86	Sequelae of Other Accidents	10	0.5
Y87	Sequelae of Intentional Self-Harm, Assault and Event of Undetermined Intent	4	0.2
Y88	Sequelae of Surgical and Medical Care as External Cause	1	0.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Selected Causes of Resident Deaths: Number by Race and Gender  
West Virginia, 2016  
Table 25

Selected Causes of Death	Number by Race and Gender						Total
	White or Caucasian		Black or African American		All Other Races		
	Male	Female	Male	Female	Male	Female	
Fetal Deaths	40	39	7	3	2	5	96
Total Deaths, All Causes	11,293	10,660	403	315	24	26	22,721
--Deaths Under One Year	78	51	2	7	0	1	139
--Deaths Under 28 Days	50	27	2	5	0	0	84
Tuberculosis	2	0	0	0	0	0	2
Septicemia	175	173	4	6	2	0	360
Human Immunodeficiency Virus Infection	13	1	0	1	0	0	15
Malignant Neoplasms	2,374	2,126	78	62	3	8	4,651
--of Digestive Organs	602	461	34	15	2	3	1,117
----Colon	179	188	7	5	1	0	380
----Pancreas	125	122	11	4	0	1	263
--of Respiratory and Intrathoracic Organs	791	617	15	16	1	2	1,442
----Trachea, Bronchus and Lung	756	604	14	14	1	2	1,391
--of Breast	3	279	0	11	0	0	293
--of Genitourinary Organs	343	284	12	8	0	1	648
----Cervix Uteri	0	38	0	0	0	0	38
----Ovary	0	97	0	2	0	1	100
----Prostate	194	0	9	0	0	0	203
----Bladder	75	42	1	4	0	0	122
--All Other (Malignant Neoplasms)	635	485	17	12	0	2	1,151
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	57	64	1	0	0	1	123
Diabetes Mellitus	450	370	25	12	1	1	859
Dementia	290	583	6	21	1	0	901
Alzheimer's Disease	214	556	4	8	0	1	783
Major Cardiovascular Disease	3,097	3,058	91	93	8	7	6,354
--Diseases of the Heart	2,417	2,199	72	62	7	5	4,762
----Ischemic Heart Disease	1,697	1,366	47	32	3	3	3,148
--Essential Hypertension and Hypertensive Renal Disease	118	148	10	14	0	0	290
--Cerebrovascular Diseases (Stroke)	433	580	8	14	1	2	1,038
--Arteriosclerosis	40	59	0	1	0	0	100
--Other Diseases of Arteries, Arterioles and Capillaries	89	72	1	2	0	0	164
Influenza and Pneumonia	201	208	7	4	1	0	421
--Influenza	15	15	0	0	0	0	30
--Pneumonia	186	193	7	4	1	0	391
Chronic Lower Respiratory Diseases	764	805	14	11	1	0	1,595
--Bronchitis, Emphysema and Asthma	38	47	2	3	0	0	90
Lung Diseases due to External Agents	126	55	1	1	1	0	184
--Coal Worker's Pneumoconiosis	19	0	0	0	0	0	19
Chronic Liver Disease and Cirrhosis	198	106	6	1	0	0	311
Nephritis, Nephrotic Syndrome and Nephrosis	228	223	11	12	1	1	476
Congenital Malformations	46	39	1	1	0	0	87
Ill-Defined and Unknown Causes of Death	229	182	18	5	1	1	436
Accidents, All Forms	1,054	573	57	18	2	2	1,706
--Motor Vehicle	203	81	10	2	0	1	297
--Falls	147	170	2	4	0	0	323
--Drownings	25	4	2	0	0	0	31
--Smoke, Fire and Flames	17	13	3	2	0	0	35
--Poisonings	555	243	37	10	1	1	847
--Other Accidents	107	62	3	0	1	0	173
Intentional Self-Harm (Suicide)	272	80	9	2	0	0	363
Assault (Homicide)	65	18	25	2	0	0	110
Injury Undetermined Whether Accidental or Purposely Inflicted	39	24	0	3	0	0	66
All Other Causes (Residual)	1,399	1,416	45	52	2	4	2,918

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Selected Causes of Resident Deaths by Age Group  
West Virginia, 2016  
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	22,721	139	64	218	478	809	1,585	3,303	4,656	5,448	6,021	71.7
--Deaths Under One Year	139	139	0	0	0	0	0	0	0	0	0	0.1
--Deaths Under 28 Days	84	84	0	0	0	0	0	0	0	0	0	0.0
Tuberculosis	2	0	0	0	1	0	0	1	0	0	0	44.5
Septicemia	360	0	2	0	4	12	27	50	85	90	90	72.3
Human Immunodeficiency Virus Infection	15	0	0	0	1	3	6	3	2	0	0	50.9
Malignant Neoplasms	4,651	1	4	2	19	77	323	967	1,392	1,227	639	70.8
--of Digestive Organs	1,117	0	0	0	2	23	76	250	309	304	153	70.8
----Colon	380	0	0	0	2	9	21	83	87	116	62	72.0
----Pancreas	263	0	0	0	0	2	17	54	84	69	37	71.5
--of Respiratory and Intrathoracic Organs	1,442	0	0	0	0	13	88	331	500	373	137	70.3
----Trachea, Bronchus and Lung	1,391	0	0	0	0	12	83	317	483	362	134	70.4
--of Breast	293	0	0	0	5	11	29	57	83	68	40	69.2
--of Genitourinary Organs	648	0	0	0	2	12	41	111	183	177	122	72.5
----Cervix Uteri	38	0	0	0	1	5	8	9	9	5	1	59.6
----Ovary	100	0	0	0	0	2	10	28	31	18	11	67.9
----Prostate	203	0	0	0	0	0	3	21	48	70	61	78.1
----Bladder	122	0	0	0	0	3	5	15	28	44	27	74.6
--All Other (Malignant Neoplasms)	1,151	1	4	2	10	18	89	218	317	305	187	70.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	123	0	0	0	0	3	1	12	25	39	43	77.8
Diabetes Mellitus	859	0	0	0	8	26	93	163	228	210	131	69.7
Dementia	901	0	0	0	0	0	3	11	50	236	601	86.7
Alzheimer's Disease	783	0	0	0	0	0	2	6	45	213	517	86.5
Major Cardiovascular Disease	6,354	1	3	8	25	111	322	783	1,201	1,622	2,278	76.8
--Diseases of the Heart	4,762	0	2	6	19	86	256	608	936	1,188	1,661	76.4
----Ischemic Heart Disease	3,148	0	0	1	5	55	166	452	678	796	995	75.8
--Essential Hypertension and Hypertensive Renal Disease	290	0	0	1	0	9	20	50	50	65	95	74.7
--Cerebrovascular Diseases (Stroke)	1,038	1	1	0	4	12	34	102	168	301	415	78.7
--Arteriosclerosis	100	0	0	1	0	0	2	3	11	20	63	84.0
--Other Diseases of Arteries, Arterioles and Capillaries	164	0	0	0	2	4	10	20	36	48	44	74.6
Influenza and Pneumonia	421	1	0	3	3	11	24	44	66	103	166	76.6
--Influenza	30	1	0	1	0	3	3	5	6	5	6	65.2
--Pneumonia	391	0	0	2	3	8	21	39	60	98	160	77.5
Chronic Lower Respiratory Diseases	1,595	0	1	2	3	9	73	249	464	464	330	70.5
--Bronchitis, Emphysema and Asthma	90	0	1	2	3	4	12	18	26	18	6	64.5
Lung Diseases due to External Agents	184	0	0	0	0	5	7	22	35	61	54	68.3
--Coal Workers Pneumoconiosis	19	0	0	0	0	0	0	3	4	5	7	78.0
Chronic Liver Disease and Cirrhosis	311	0	0	1	7	19	48	97	81	44	14	62.5
Nephritis, Nephrotic Syndrome and Nephrosis	476	2	1	0	3	7	18	54	108	155	128	75.4
Congenital Malformations	87	30	7	4	6	6	11	10	5	6	2	30.6
Ill-Defined and Unknown Causes of Death	436	25	2	1	3	7	26	85	104	87	96	68.2
Accidents, All Forms	1,706	6	23	118	258	310	288	227	135	147	194	52.0
--Motor Vehicle	297	1	5	49	40	43	43	45	38	21	12	47.3
--Falls	323	0	0	1	2	7	7	31	43	87	145	79.4
--Drownings	31	0	9	4	4	2	4	3	4	0	1	34.2
--Smoke, Fire and Flames	35	0	5	0	2	1	2	6	8	4	7	59.5
--Poisonings	847	0	0	61	199	244	208	117	15	2	1	41.6
--Other Accidents	173	5	4	3	11	13	24	25	27	33	28	61.2
Intentional Self-Harm (Suicide)	363	0	2	33	60	78	57	62	49	18	4	47.2
Assault (Homicide)	110	1	5	25	26	19	14	9	6	5	0	37.0
Injury Undetermined Whether Accidental or Purposely Inflicted	66	4	2	0	11	12	12	14	6	4	1	46.0
All Other Causes (Residual)	2,918	68	12	21	40	94	230	434	569	717	733	70.4

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Selected Causes of Resident Deaths by Month of Occurrence  
West Virginia, 2016  
Table 27

Selected Causes of Death	Number of Deaths per Month												Total
	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	
Fetal Deaths	11	11	10	11	5	5	8	5	9	6	8	7	96
Total Deaths, All Causes	2,014	1,852	2,021	1,878	1,816	1,808	1,875	1,777	1,842	1,914	1,891	2,033	22,721
--Deaths Under One Year	11	13	11	9	13	9	16	12	11	11	7	16	139
--Deaths Under 28 Days	4	7	8	5	10	6	11	9	7	5	3	9	84
Tuberculosis	0	1	0	0	0	0	1	0	0	0	0	0	2
Septicemia	43	35	32	17	32	29	23	30	28	33	25	33	360
Human Immunodeficiency Virus Infection	0	0	2	4	2	1	2	1	1	1	1	0	15
Malignant Neoplasms	401	369	392	363	383	376	380	376	379	403	428	401	4,651
--of Digestive Organs	95	91	91	93	88	86	90	85	99	95	101	103	1,117
----Colon	33	29	36	29	32	29	25	35	33	35	32	32	380
----Pancreas	26	19	22	24	21	21	20	18	20	24	20	28	263
--of Respiratory and Intrathoracic Organs	125	118	121	116	119	133	113	107	118	132	125	115	1,442
----Trachea, Bronchus and Lung	121	116	116	113	115	127	107	105	115	129	118	109	1,391
--of Breast	26	20	33	17	27	24	21	26	26	19	27	27	293
--of Genitourinary Organs	61	57	46	51	55	47	67	42	50	51	65	56	648
----Cervix Uteri	3	3	1	4	2	3	6	2	3	2	5	4	38
----Ovary	11	7	9	8	9	6	11	6	9	6	10	8	100
----Prostate	20	22	15	11	21	11	18	13	16	18	18	20	203
----Bladder	9	9	7	10	13	11	10	7	10	8	16	12	122
--All Other (Malignant Neoplasms)	94	83	101	86	94	86	89	116	86	106	110	100	1,151
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	12	10	12	15	9	10	10	7	7	13	8	8	123
Diabetes Mellitus	67	61	85	71	68	79	68	65	76	67	78	74	859
Dementia	98	73	90	81	58	69	60	71	79	68	66	88	901
Alzheimer's Disease	67	66	61	70	57	70	66	65	52	61	61	87	783
Major Cardiovascular Disease	585	523	556	552	521	480	572	511	509	529	495	521	6,354
--Diseases of the Heart	440	375	417	428	372	354	451	382	359	389	377	418	4,762
----Ischemic Heart Disease	277	242	276	262	245	240	296	260	245	274	239	292	3,148
--Essential Hypertension and Hypertensive Renal Disease	28	29	27	15	28	20	25	16	36	29	21	16	290
--Cerebrovascular Diseases (Stroke)	94	91	86	84	94	88	78	94	87	88	82	72	1,038
--Arteriosclerosis	8	11	10	4	14	6	10	6	8	9	10	4	100
--Other Diseases of Arteries, Arterioles and Capillaries	15	17	16	21	13	12	8	13	19	14	5	11	164
Influenza and Pneumonia	45	28	46	38	37	25	41	25	34	29	29	44	421
--Influenza	1	2	10	8	4	2	0	0	0	0	2	1	30
--Pneumonia	44	26	36	30	33	23	41	25	34	29	27	43	391
Chronic Lower Respiratory Diseases	138	133	141	139	138	133	107	135	126	131	126	148	1,595
--Bronchitis, Emphysema and Asthma	5	7	8	9	8	5	8	9	11	7	6	7	90
Lung Diseases due to External Agents	14	18	20	15	13	17	18	16	13	14	12	14	184
--Coal Worker's Pneumoconiosis	1	2	0	1	1	1	3	1	2	2	2	3	19
Chronic Liver Disease and Cirrhosis	31	26	25	20	24	27	36	19	21	27	28	27	311
Nephritis, Nephrotic Syndrome and Nephrosis	43	41	36	28	26	33	38	36	57	49	46	43	476
Congenital Malformations	4	14	13	2	5	7	7	7	3	9	5	11	87
Ill-Defined and Unknown Causes of Death	46	41	29	40	36	27	30	22	34	33	39	59	436
Accidents, All Forms	123	151	149	114	124	146	137	141	161	143	147	170	1,706
--Motor Vehicle	20	19	18	17	16	26	27	34	41	32	18	29	297
--Falls	25	38	30	23	24	28	21	24	27	27	25	31	323
--Drownings	1	3	2	0	7	7	6	1	2	1	0	1	31
--Smoke, Fire and Flames	3	6	2	2	3	1	2	3	1	3	4	5	35
--Poisonings	55	73	82	64	59	62	65	66	76	66	88	91	847
--Other Accidents	19	12	15	8	15	22	16	13	14	14	12	13	173
Intentional Self-Harm (Suicide)	32	28	38	32	22	23	38	37	29	37	21	26	363
Assault (Homicide)	6	4	9	5	11	15	9	9	6	14	14	8	110
Injury Undetermined Whether Accidental or Purposely Inflicted	9	3	3	7	4	7	5	5	4	6	4	9	66
All Other Causes (Residual)	250	227	282	265	246	234	227	196	223	253	253	262	2,918

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

## Infant and Fetal Death Summary

Deaths of infants under one year of age was the same in 2015 and 2016 at 139. However, West Virginia's infant mortality rate increased (4.3%) from 7.0 per 1,000 live births in 2015 to 7.3 in 2016. The U.S. infant mortality rate was 5.8 in 2016.

The following table shows the decline in the national and state infant mortality rates from 1950 through 2016.

**1950 – 2016 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
2012	7.3	6.0
2013	7.5	6.0
2014	7.1	5.8
2015	7.0	5.9
2016	7.3	5.8

The state's 2016 white infant mortality rate increased from 6.8 in 2015 to 7.2 in 2016, while the rate for black infants decreased from 22.5 to 14.8 (see Statistical Variation in Appendix B, page 165). West Virginia's 2015 race-specific infant mortality rates and comparable U.S. rates are shown in the table on the following page.

**2016 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	139	7.3	23,161	5.8
White	129	7.2	14,568	4.9
Black	9	14.8	7,229	10.6
Other	1	1.6	1,364	5.1

\*Source: <http://wonder.cdc.gov/>

Approximately one out of six (16.5%) infant deaths in 2016 was due to SIDS (sudden infant death syndrome). Over one in five (21.6%) was the result of congenital malformations, while 44.6% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (14.4%).

### Neonatal/Postneonatal Deaths

The number of neonatal deaths dropped by one, from 85 in 2015 to 84 in 2016; the neonatal death rate rose from 4.3 deaths per 1,000 live births among infants aged less than 28 days per 1,000 live births in 2015 to 4.4 in 2016. Neonatal deaths comprised 60.4% of all West Virginia resident infant deaths in 2016, compared with 61.2% in 2015. The rate of postneonatal deaths rose from 2.7 deaths per 1,000 neonatal survivors in 2015 to 2.9 in 2016. The 2016 U.S. neonatal death rate was 3.8, while the postneonatal rate was 2.0 deaths per 1,000 neonatal survivors.

### Fetal Deaths

CDC recommends reporting fetal deaths with a birthweight of at least 350 grams or if the weight is unknown, those occurring after 20 or more weeks gestation. From 2011-2014, these provisions were inadvertently left out thus making the number of fetal deaths a little more than what should have been reported. The following table contains the actual reported fetal deaths and the ratio compared to what the number and ratio should have been by using recommended procedures.

Year	Number of Births	Reported Fetal Deaths	Ratio per 1,000 Live Births	Fetal Deaths Using CDC Standard Procedures	Ratio per 1,000 Live Births
2011	20,705	90	4.3	82	4.0
2012	20,813	88	4.2	81	3.9
2013	20,829	94	4.5	84	4.0
2014	20,303	105	5.2	87	4.3

Tables 28, 32, 66 and 73 in this publication will now report the number of fetal deaths using CDC’s standard procedures.

The 96 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 2016 were 10 more than in 2015 (86). The fetal death ratio rose from 4.3 deaths per 1,000 live births in 2015 to 5.0 in 2016. The majority (97.9%) of fetal deaths were due to conditions originating in the perinatal period, including complications of placenta, cord and membrane (8.3%), maternal conditions (1.0%), maternal complications (13.5%), short gestation and low birthweight (31.3%) and other ill-defined perinatal conditions (51.0%). Congenital malformations accounted for 2.1% of all fetal deaths.

Fetal Deaths, Neonatal Deaths and Postneonatal Deaths: Number and Rate/Ratio  
West Virginia Resident Deaths, 1925-2016

Table 28

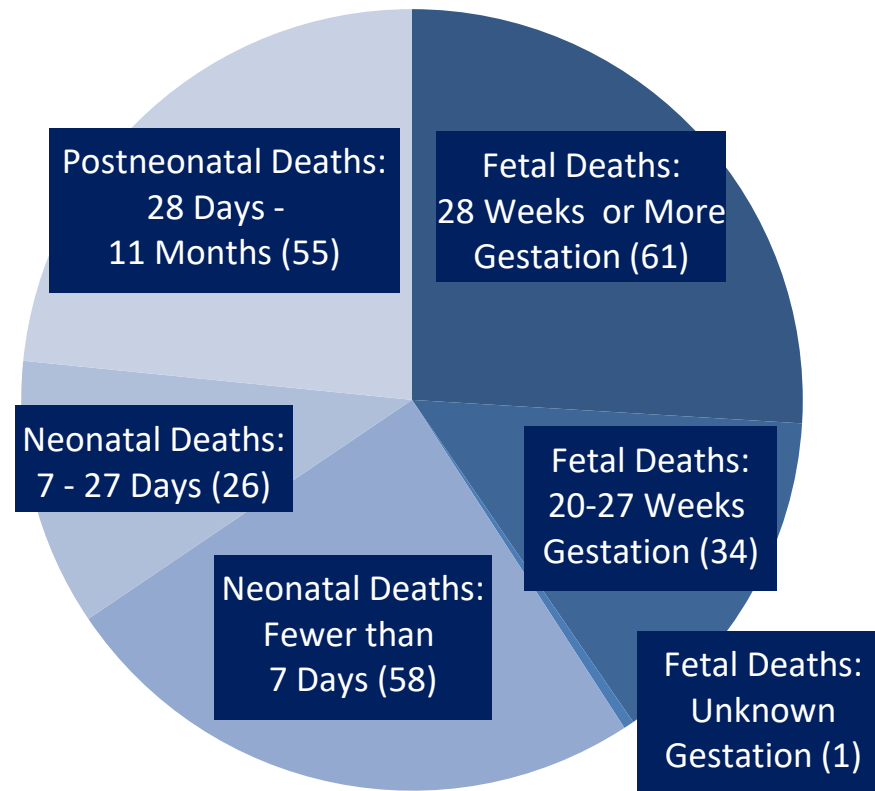
Year	Fetal Deaths		Neonatal Deaths		Postneonatal Deaths		
	Number	Ratio per 1,000 Live Births	Number	Rate per 1,000 Live Births	Number	Rate per 1,000 Live Births	Rate per 1,000 Neonatal Survivors*
1925	1,740	38.5	N/A	N/A	N/A	N/A	N/A
1930	1,547	37.2	N/A	N/A	N/A	N/A	N/A
1935	1,647	39.4	1,467	35.1	1,071	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	82**	4.0**	86	4.2	55	2.7	2.7
2012	81**	3.9**	96	4.6	56	2.7	2.7
2013	84**	4.0**	93	4.5	64	3.1	3.1
2014	87**	4.3**	92	4.5	52	2.6	2.6
2015	86	4.3	85	4.3	54	2.7	2.7
2016	96	5.0	84	4.4	55	2.9	2.9

\*Neonatal Survivors are live births minus neonatal deaths  
West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*\*Lower numbers than originally reported. See summary pages 80 and 81 for details.

# Fetal Deaths, Neonatal Deaths and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2016

Exhibit 14



West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



Causes of Resident Infant Deaths by Age  
West Virginia, 2016  
Table 29

ICDA 10 Code Number	Cause of Death	Under 1 Day	1 to 6 Days	7 to 27 Days	28 Days to 11 Months	Total
A00-Z99	Total Deaths, All Causes	46	12	26	55	139
A00-B99	Certain Infectious and Parasitic Diseases	0	0	0	4	4
A00-A09	Intestinal Infectious Diseases	0	0	0	2	2
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	0	0	0	2	2
B25-B34	Other Viral Diseases	0	0	0	2	2
B34	Viral Infection of Unspecified Site	0	0	0	2	2
C00-D48	Neoplasms	0	0	0	1	1
C00-C97	Malignant Neoplasms	0	0	0	1	1
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	0	0	0	1	1
C49	Malignant Neoplasm of Other Connective and Soft Tissue	0	0	0	1	1
I00-I99	Diseases of the Circulatory System	0	0	0	1	1
I60-I69	Cerebrovascular Diseases	0	0	0	1	1
I61	Intracerebral Hemorrhage	0	0	0	1	1
J00-J99	Diseases of the Respiratory System	0	0	0	1	1
J09-J18	Influenza and Pneumonia	0	0	0	1	1
J11	Influenza, Virus Not Identified	0	0	0	1	1
K00-K93	Diseases of the Digestive System	1	0	0	1	2
K40-K46	Hernia	1	0	0	0	1
K44	Diaphragmatic Hernia	1	0	0	0	1
K70-K77	Diseases of Liver	0	0	0	1	1
K76	Other Diseases of Liver	0	0	0	1	1
N00-N99	Diseases of the Genitourinary System	0	0	1	1	2
N17-N19	Renal Failure	0	0	1	1	2
N17	Acute Renal Failure	0	0	1	0	1
N19	Unspecified Renal Failure	0	0	0	1	1
P00-P96	Certain Conditions Originating in the Perinatal Period	34	8	17	3	62
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy and Labor	8	0	2	0	10
P01	Newborn Affected by Maternal Complications of Pregnancy	4	0	0	0	4
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	3	0	0	0	3
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	4	0	1	0	5
P02.1	Other Forms of Placenta Separation and Hemorrhage	1	0	0	0	1
P02.3	Placental Transfusion Syndromes	1	0	0	0	1
P02.7	Chorioamnionitis	2	0	1	0	3
P04	Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast	0	0	1	0	1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Infant Deaths by Age  
West Virginia, 2016  
Table 29 (Cont'd)

ICDA 10 Code Number	Cause of Death	Under 1 Day	1 to 6 Days	7 to 27 Days	28 Days to 11 Months	Total
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	18	1	1	0	20
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere	18	1	1	0	20
P07.2	Extreme Immaturity	18	1	1	0	20
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	7	1	5	2	15
P21	Birth Asphyxia	1	0	1	0	2
P22	Respiratory Distress of Newborn	2	1	1	1	5
P22.0	Respiratory Distress Syndrome	2	0	1	1	4
P22.9	Respiratory Distress of Newborn, Unspecified	0	1	0	0	1
P24	Neonatal Aspiration Syndromes	1	0	0	0	1
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal	1	0	0	0	1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	0	0	1	1	2
P28	Other Respiratory Conditions Originating in the Perinatal Period	0	0	1	0	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	2	0	1	0	3
P29.0	Neonatal Cardiac Failure	1	0	1	0	2
P29.1	Neonatal Cardiac Dysrhythmia	1	0	0	0	1
P35-P39	Infections Specific to the Perinatal Period	0	2	6	1	9
P36	Bacterial Sepsis of Newborn	0	1	5	0	6
P37	Other Congenital Infectious and Parasitic Diseases	0	0	1	0	1
P39	Other Infections Specific to the Perinatal Period	0	1	0	1	2
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	0	2	0	0	2
P52	Intracranial Nontraumatic Hemorrhage of Newborn	0	2	0	0	2
P75-P78	Digestive System Disorders of Newborn	0	0	1	0	1
P78	Other Perinatal Digestive System Disorders	0	0	1	0	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Newborn	1	1	0	0	2
P83	Other Conditions of Integument Specific to Newborn	1	1	0	0	2
P90-P96	Other Disorders Originating in the Perinatal Period	0	1	2	0	3
P91	Other Disturbances of Cerebral Status of Newborn	0	1	2	0	3
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	11	3	4	12	30
Q00-Q07	Congenital Malformations of the Nervous System	3	3	1	2	9
Q00	Anencephaly and Similar Malformations	2	2	0	0	4
Q03	Congenital Hydrocephalus	0	1	0	0	1
Q04	Other Congenital Malformations of Brain	1	0	1	2	4
Q20-Q28	Congenital Malformations of the Circulatory System	1	0	1	3	5
Q21	Congenital Malformations of Cardiac Septa	0	0	0	1	1
Q23	Congenital Malformations of Aortic and Mitral Valves	1	0	1	0	2

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Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Infant Deaths by Age  
West Virginia, 2016  
Table 29 (Cont'd)

ICDA 10 Code Number	Cause of Death	Under 1 Day	1 to 6 Days	7 to 27 Days	28 Days to 11 Months	Total
Q25	Congenital Malformations of Great Arteries	0	0	0	2	2
Q30-Q34	Congenital Malformations of the Respiratory System	1	0	0	0	1
Q33	Congenital Malformations of Lung	1	0	0	0	1
Q60-Q64	Congenital Malformations of the Urinary System	3	0	0	0	3
Q60	Renal Agenesis and Other Reduction Defects of Kidney	2	0	0	0	2
Q61	Cystic Kidney Disease	1	0	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	2	0	1	1	4
Q75	Other Congenital Malformations of Skull and Face Bones	0	0	0	1	1
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	1	0	1	0	2
Q80-Q89	Other Congenital Malformations	1	0	1	2	4
Q81	Epidermolysis Bullosa	0	0	0	1	1
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple	0	0	1	1	2
Q89	Other Congenital Malformations, Not Elsewhere Classified	1	0	0	0	1
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	0	0	4	4
Q91	Edwards' Syndrome and Patau's Syndrome	0	0	0	3	3
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere	0	0	0	1	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	0	1	24	25
R95-R99	Ill-Defined and Unknown Causes of Mortality	0	0	1	24	25
R95	Sudden Infant Death Syndrome	0	0	1	22	23
R99	Other Ill-Defined and Unspecified Causes of Mortality	0	0	0	2	2
V01-Y98	External Causes of Morbidity and Mortality	0	1	3	7	11
V01-V99	Transport Accidents	0	0	1	0	1
V01-V09	Pedestrian Injured in Transport Accident	0	0	1	0	1
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	0	0	1	0	1
W00-X59	Other External Causes of Accidental Injury	0	1	1	3	5
W75-W84	Other Accidental Threats to Breathing	0	1	1	3	5
W75	Accidental Suffocation and Strangulation in Bed	0	1	1	3	5
X85-Y09	Assault	0	0	0	1	1
Y05	Sexual Assault by Bodily Force	0	0	0	1	1
Y10-Y34	Event of Undetermined Intent	0	0	1	3	4
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined	0	0	0	1	1
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	0	0	1	0	1
Y34	Unspecified Event, Undetermined Intent	0	0	0	2	2

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2016  
Table 30

ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500	1,500 - 2,499 Grams	2,500 Grams or More	Un- known	
A00-Z99	Total Deaths, All Causes	62	29	45	3	139
A00-B99	Certain Infectious and Parasitic Diseases	1	2	1	0	4
A00-A09	Intestinal Infectious Diseases	1	1	0	0	2
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	1	1	0	0	2
B25-B34	Other Viral Diseases	0	1	1	0	2
B34	Viral Infection of Unspecified Site	0	1	1	0	2
C00-D48	Neoplasms	0	0	1	0	1
C00-C97	Malignant Neoplasms	0	0	1	0	1
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	0	0	1	0	1
C49	Malignant Neoplasm of Other Connective and Soft Tissue	0	0	1	0	1
I00-I99	Diseases of the Circulatory System	1	0	0	0	1
I60-I69	Cerebrovascular Diseases	1	0	0	0	1
I61	Intracerebral Hemorrhage	1	0	0	0	1
J00-J99	Diseases of the Respiratory System	0	1	0	0	1
J09-J18	Influenza and Pneumonia	0	1	0	0	1
J11	Influenza, Virus Not Identified	0	1	0	0	1
K00-K93	Diseases of the Digestive System	0	1	1	0	2
K40-K46	Hernia	0	0	1	0	1
K44	Diaphragmatic Hernia	0	0	1	0	1
K70-K77	Diseases of Liver	0	1	0	0	1
K76	Other Diseases of Liver	0	1	0	0	1
N00-N99	Diseases of the Genitourinary System	1	1	0	0	2
N17-N19	Renal Failure	1	1	0	0	2
N17	Acute Renal Failure	1	0	0	0	1
N19	Unspecified Renal Failure	0	1	0	0	1
P00-P96	Certain Conditions Originating in the Perinatal Period	49	3	8	2	62
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy and Labor	9	0	1	0	10
P01	Newborn Affected by Maternal Complications of Pregnancy	4	0	0	0	4
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	3	0	0	0	3
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	5	0	0	0	5
P02.1	Other Forms of Placenta Separation and Hemorrhage	1	0	0	0	1
P02.3	Placental Transfusion Syndromes	1	0	0	0	1
P02.7	Chorioamnionitis	3	0	0	0	3
P04	Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast	0	0	1	0	1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2016  
Table 30 (Cont'd)

ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500	1,500 - 2,499 Grams	2,500 Grams or More	Un-known	
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	20	0	0	0	20
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere	20	0	0	0	20
P07.2	Extreme Immaturity	20	0	0	0	20
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	12	0	3	0	15
P21	Birth Asphyxia	1	0	1	0	2
P22	Respiratory Distress of Newborn	5	0	0	0	5
P22.0	Respiratory Distress Syndrome	4	0	0	0	4
P22.9	Respiratory Distress of Newborn, Unspecified	1	0	0	0	1
P24	Neonatal Aspiration Syndromes	0	0	1	0	1
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal	1	0	0	0	1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	1	0	1	0	2
P28	Other Respiratory Conditions Originating in the Perinatal Period	1	0	0	0	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	3	0	0	0	3
P29.0	Neonatal Cardiac Failure	2	0	0	0	2
P29.1	Neonatal Cardiac Dysrhythmia	1	0	0	0	1
P35-P39	Infections Specific to the Perinatal Period	5	3	1	0	9
P36	Bacterial Sepsis of Newborn	4	1	1	0	6
P37	Other Congenital Infectious and Parasitic Diseases	1	0	0	0	1
P39	Other Infections Specific to the Perinatal Period	0	2	0	0	2
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	0	0	0	2	2
P52	Intracranial Nontraumatic Hemorrhage of Newborn	0	0	0	2	2
P75-P78	Digestive System Disorders of Newborn	1	0	0	0	1
P78	Other Perinatal Digestive System Disorders	1	0	0	0	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Newborn	2	0	0	0	2
P83	Other Conditions of Integument Specific to Newborn	2	0	0	0	2
P90-P96	Other Disorders Originating in the Perinatal Period	0	0	3	0	3
P91	Other Disturbances of Cerebral Status of Newborn	0	0	3	0	3
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	8	11	11	0	30
Q00-Q07	Congenital Malformations of the Nervous System	3	3	3	0	9
Q00	Anencephaly and Similar Malformations	2	2	0	0	4
Q03	Congenital Hydrocephalus	0	0	1	0	1
Q04	Other Congenital Malformations of Brain	1	1	2	0	4
Q20-Q28	Congenital Malformations of the Circulatory System	1	2	2	0	5
Q21	Congenital Malformations of Cardiac Septa	0	0	1	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	1	1	0	0	0

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Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2016  
Table 30 (Cont'd)

ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500 Grams	1,500 - 2,499 Grams	2,500 Grams or More	Un- known	
Q25	Congenital Malformations of Great Arteries	0	1	1	0	2
Q30-Q34	Congenital Malformations of the Respiratory System	1	0	0	0	1
Q33	Congenital Malformations of Lung	1	0	0	0	1
Q60-Q64	Congenital Malformations of the Urinary System	1	2	0	0	3
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	1	0	0	2
Q61	Cystic Kidney Disease	0	1	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	1	3	0	4
Q75	Other Congenital Malformations of Skull and Face Bones	0	0	1	0	1
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	0	0	2	0	2
Q80-Q89	Other Congenital Malformations	0	1	3	0	4
Q81	Epidermolysis Bullosa	0	0	1	0	1
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	0	0	2	0	2
Q89	Other Congenital Malformations, Not Elsewhere Classified	0	1	0	0	1
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	2	2	0	0	4
Q91	Edwards' Syndrome and Patau's Syndrome	1	2	0	0	3
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere	1	0	0	0	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	1	8	15	1	25
R95-R99	Ill-Defined and Unknown Causes of Mortality	1	8	15	1	25
R95	Sudden Infant Death Syndrome	0	7	15	1	23
R99	Other Ill-Defined and Unspecified Causes of Mortality	1	1	0	0	2
V01-Y98	External Causes of Morbidity and Mortality	1	2	8	0	11
V01-V99	Transport Accidents	0	0	1	0	1
V01-V09	Pedestrian Injured in Transport Accident	0	0	1	0	1
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	0	0	1	0	1
W00-X59	Other External Causes of Accidental Injury	1	1	3	0	5
W75-W84	Other Accidental Threats to Breathing	1	1	3	0	5
W75	Accidental Suffocation and Strangulation in Bed	1	1	3	0	5
X85-Y09	Assault	0	1	0	0	1
Y05	Sexual Assault by Bodily Force	0	1	0	0	1
Y10-Y34	Event of Undetermined Intent	0	0	4	0	4
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined	0	0	1	0	1
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	0	0	1	0	1
Y34	Unspecified Event, Undetermined Intent	0	0	2	0	2

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Births and Infant Deaths by Selected Risk Factors and Demographics  
West Virginia Residents, 2016

Table 31

Factor	Births		Infant Deaths	
	Number	Percent*	Number	Percent*
Total	19,070		139	
Birthweight < 2,500 Grams	1,838	9.7%	91	66.9%
Birthweight < 1,500 Grams	273	1.4%	62	45.6%
Gestational Age < 37 Weeks	2,255	11.8%	93	67.4%
Gestational Age 37-38 Weeks	5,416	28.4%	20	14.5%
Gestational Age 39+ Weeks	11,377	59.7%	25	18.1%
Age of Mother < 20 Years	1,560	8.2%	13	9.4%
Age of Mother < 15 Years	16	0.1%	1	0.7%
Unmarried Mothers	8,533	44.8%	69	49.6%
Mothers Using Tobacco	4,833	25.4%	54	39.7%
White or Caucasian Mothers	17,826	93.6%	127	94.1%
Black or African American Mothers	608	3.2%	7	5.2%
Mothers of Other Races	621	3.3%	1	0.7%
Mothers of Unknown Race	15		4	

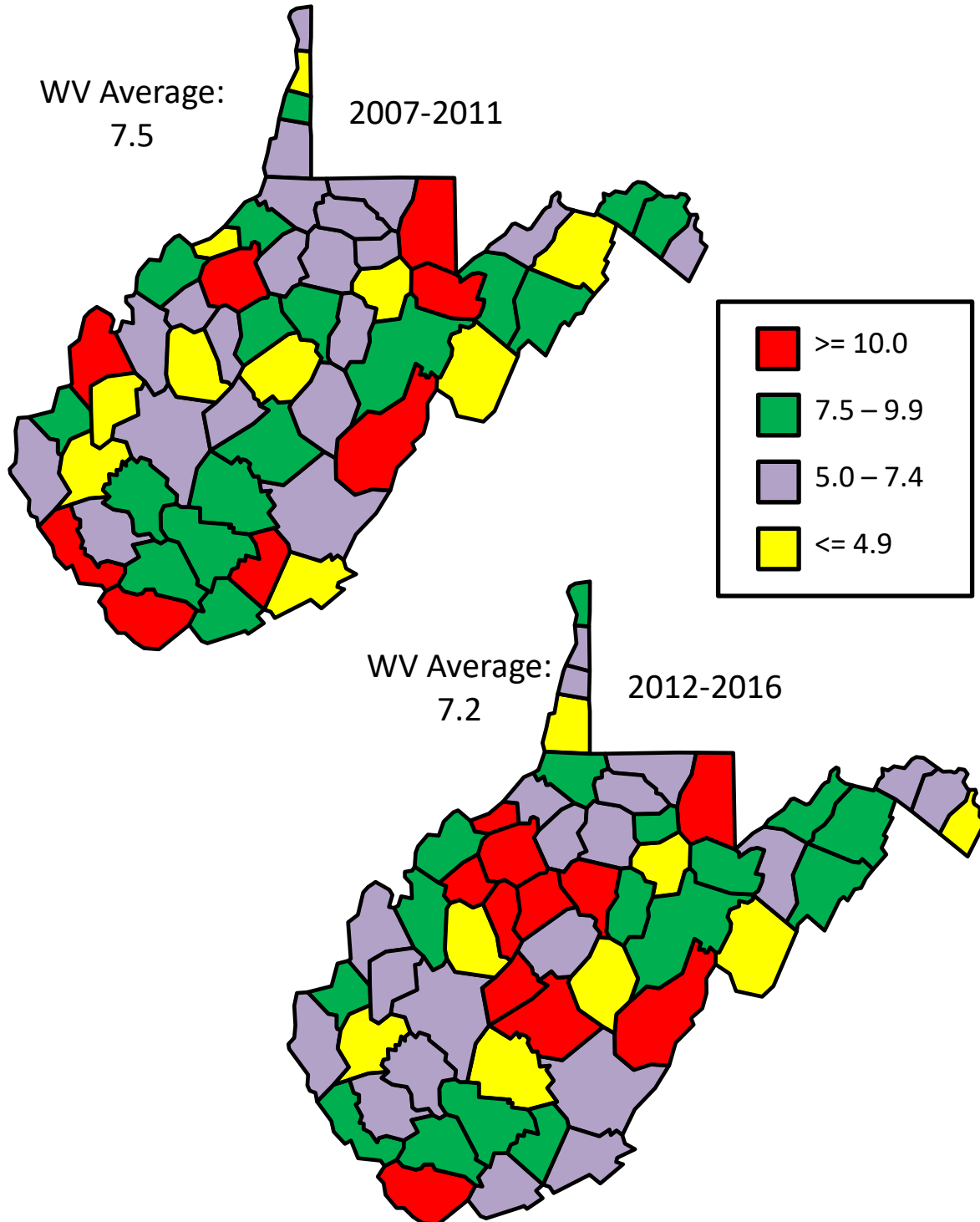
\*Percentages are calculated excluding unknown numbers.

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

# Resident Infant Death Rates by County West Virginia, 2007-2011 and 2012-2016

## Exhibit 15



West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



Causes of Resident Fetal Deaths  
West Virginia, 2012-2016  
Table 32

ICDA 10 Code	Cause of Death	2012*	2013*	2014*	2015	2016
A00-Z99*	Total Deaths, All Causes	81	84	87	86	96
C00-D48	Neoplasms	0	0	1	0	0
D10-D36	Benign Neoplasms	0	0	1	0	0
D18	Hemangioma and Lymphangioma, Any Site	0	0	1	0	0
I00-I99	Diseases of the Circulatory System	0	0	1	0	0
I60-I69	Cerebrovascular Diseases	0	0	1	0	0
I62	Other Nontraumatic Intracranial Hemorrhage	0	0	1	0	0
P00-P96	Certain Conditions Originating in the Perinatal Period	78	77	76	70	94
P00-P04	Fetus Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	45	36	37	33	13
P00	Fetus Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	4	6	4	5	1
P00.0	Maternal Hypertensive Disorders	2	4	4	5	1
P00.1	Maternal Renal and Urinary Tract Diseases	0	1	0	0	0
P00.5	Maternal Injury	2	0	0	0	0
P00.8	Other Maternal Conditions	0	1	0	0	0
P01	Fetus Affected by Maternal Complications of Pregnancy	10	8	5	6	2
P01.0	Incompetent Cervix	1	0	1	0	0
P01.1	Premature Rupture of Membranes	7	7	3	6	1
P01.2	Oligohydramnios	2	0	0	0	0
P01.3	Polyhydramnios	0	0	0	0	1
P01.5	Multiple Pregnancy	0	1	0	0	0
P01.8	Other Maternal Complications of Pregnancy	0	0	1	0	0
P02	Fetus Affected by Complications of Placenta, Cord and Membranes	30	22	27	22	8
P02.1	Other Forms of Placenta Separation and Hemorrhage	10	7	6	8	3
P02.2	Other and Unspecified Morphological and Functional Abnormalities of Placenta	3	0	1	0	0
P02.3	Placental Transfusion Syndromes	0	0	1	0	0
P02.4	Prolapsed Cord	2	0	2	0	0
P02.5	Other Compression of Umbilical Cord	9	10	6	5	2
P02.6	Other and Unspecified Conditions of Umbilical Cord	2	0	10	7	0
P02.7	Chorioamnionitis	4	5	1	2	2
P03	Fetus Affected by Other Complications of Labor and Delivery	0	0	0	0	1
P04	Fetus Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	1	0	1	0	1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	4	7	5	6	30
P05	Slow Fetal Growth and Fetal Malnutrition	0	0	0	1	0
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	4	7	5	5	30
P07.2	Extreme Immaturity	2	4	2	1	30
P07.3	Other Preterm Infants	2	3	3	4	0
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	2	2	2	2	1
P20	Intrauterine Hypoxia	1	1	2	0	0
P29	Cardiovascular Disorders Originating in the Perinatal Period	1	1	0	2	1

\*Lower numbers than previously reported. See summary pages 80 and 81 for details.

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

Causes of Resident Fetal Deaths  
West Virginia, 2012-2016  
Table 32 (Cont'd)

ICDA 10 Code	Cause of Death	2012*	2013*	2014*	2015	2016
P29.0	Neonatal Cardiac Failure	0	0	0	1	0
P29.1	Neonatal Cardiac Dysrhythmia	1	0	0	0	1
P29.2	Neonatal Hypertension	0	1	0	1	0
P50-P61	Hemorrhagic and Hematological Disorders of Fetus	1	0	0	0	0
P50	Fetal Blood Loss	1	0	0	0	0
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus	2	4	1	0	1
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Fetus	2	4	1	0	1
P70.0	Syndrome of "Infant of Mother with Gestational Diabetes	2	1	0	0	0
P70.1	Syndrome of "Infant of a Diabetic Mother	0	1	1	0	1
P70.2	Neonatal Diabetes Mellitus	0	2	0	0	0
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus	0	3	4	1	0
P83	Other Conditions of Integument Specific to Fetus	0	3	4	1	0
P90-P96	Other Disorders Originating in the Perinatal Period	24	25	27	28	49
P91	Other Disturbances of Cerebral Status of Newborn	0	0	1	0	0
P95	Fetal Death of Unspecified Cause	0	0	0	1	37
P96	Other Conditions Originating in the Perinatal Period	24	25	26	27	12
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	3	6	9	8	2
Q00-Q07	Congenital Malformations of the Nervous System	0	1	2	0	0
Q03	Congenital Hydrocephalus	0	0	1	0	0
Q04	Other Congenital Malformations of Brain	0	0	1	0	0
Q07	Other Congenital Malformations of Nervous System	0	1	0	0	0
Q20-Q28	Congenital Malformations of the Circulatory System	1	1	1	0	1
Q21	Congenital Malformations of Cardiac Septa	0	0	0	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	1	1	0	0
Q27	Other Congenital Malformations of Peripheral Vascular System	1	0	0	0	0
Q30-Q34	Congenital Malformations of the Respiratory System	0	0	0	1	0
Q32	Congenital Malformations of Trachea and Bronchus	0	0	0	1	0
Q38-Q45	Other Congenital Malformations of the Digestive System	1	0	0	0	0
Q43	Other Congenital Malformations of Intestine	1	0	0	0	0
Q60-Q64	Congenital Malformations of the Urinary System	1	1	0	0	1
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	0	0	0	1
Q64	Other Congenital Malformations of Urinary System	0	1	0	0	0
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	1	1	1	0
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	1	1	1	0
Q80-Q89	Other Congenital Malformations	0	1	2	3	0
Q89	Other Congenital Malformations, Not Elsewhere Classified	0	1	2	3	0
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	1	3	3	0
Q91	Edwards' Syndrome and Patau's Syndrome	0	1	0	3	0
Q96	Turner's Syndrome	0	0	2	0	0
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	0	0	1	0	0

\*Lower numbers than previously reported. See summary pages 80 and 81 for details.  
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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 W.Va. Code beginning June 30, 2016. 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.

In 2016, the only free-standing clinics performing ITOPs in West Virginia were 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 would seek an ITOP in West Virginia. Due to known incomplete reporting, the procedures performed on West Virginia residents in other states have been excluded from the compiled statistics.

W.Va. Code §16-21-2 requires clinics to provide counseling and informational guidance to females seeking an abortion. All but nine of the 2016 ITOP records indicate the female did, in fact, receive counseling, compared to all but five in 2015. There are some isolated incidents where the ITOP needs to be performed due to a medical emergency. In 2016, there were four ITOPs performed due to a medical emergency, same as 2015.

In 2016, there were 1,428 ITOPs performed in West Virginia, 91 or 6.0% fewer than in 2015 (1,519). Nearly eight out of every nine (88.0%) ITOPs involved a West Virginia resident, while 5.8% were Kentucky residents and 5.2% were residents of Ohio, compared with 2015 percentages of 87.4%, 5.5% and 6.7%, respectively. The median age of women having an ITOP in 2016 was 25, same as 2015. There were 42 procedures in 2016 involving females under the age of 18, of which 41 were performed on unemancipated\* minors, compared with 48 in 2015, of which 47 were performed on unemancipated minors. More than four out of every five (82.1%) of the 2016 ITOPs performed in West Virginia involved women who were not married at the time. Thirty percent (30.1%) of the 2016 ITOPs involved women who had never had a previous live birth, while 85.4% were to women who had two or fewer children. There were seven ITOPs performed on women who had six or more children. Sixty percent (60.2%) involved

women for whom it was their first ITOP, while nearly all (94.3%) involved women who had two or fewer previous ITOPs. Eight 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, 2016**

**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	1	2	1	1	0	0	0	5
15-17	21	8	4	3	1	0	0	37
18-19	53	28	14	7	2	0	0	104
20-24	279	104	43	32	7	2	0	467
25-29	235	75	45	29	13	1	0	398
30-34	167	42	23	18	6	0	0	256
35-39	83	17	6	10	7	0	0	123
40-44	31	0	1	3	0	1	0	36
45+	1	0	1	0	0	0	0	2
Unknown	0	0	0	0	0	0	0	0
<b>Total</b>	<b>871</b>	<b>276</b>	<b>138</b>	<b>103</b>	<b>36</b>	<b>4</b>	<b>0</b>	<b>1,428</b>

Note: Gestational age is the physician's estimate of gestation (clinical/obstetric estimate).  
If the physician's estimate of gestation is not available, it is calculated from the date of onset of last normal menses.

**Induced Terminations of Pregnancy  
By Age of Female and Marital Status  
West Virginia Occurrences, 2016**

**Table 34**

Age of Female	Marital Status						Total
	Married	Never Married	Divorced	Separated	Widowed	Unknown	
10-14	0	5	0	0	0	0	5
15-17	1	36	0	0	0	0	37
18-19	5	99	0	0	0	0	104
20-24	36	393	18	18	2	0	467
25-29	49	280	40	26	3	0	398
30-34	48	143	47	14	4	0	256
35-39	35	47	29	7	5	0	123
40-44	12	9	11	3	1	0	36
45+	0	0	1	1	0	0	2
Unknown	0	0	0	0	0	0	0
<b>Total</b>	<b>186</b>	<b>1,012</b>	<b>146</b>	<b>69</b>	<b>15</b>	<b>0</b>	<b>1,428</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Induced Terminations of Pregnancy  
By Age of Female and Previous Live Births  
West Virginia Occurrences, 2016

Table 35

Age of Female	Previous Live Births						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	5	0	0	0	0	0	5
15-17	32	5	0	0	0	0	37
18-19	77	21	5	1	0	0	104
20-24	188	154	95	20	10	0	467
25-29	76	128	123	41	30	0	398
30-34	33	84	88	39	12	0	256
35-39	17	29	34	24	19	0	123
40-44	2	8	14	9	3	0	36
45+	0	1	0	1	0	0	2
Unknown	0	0	0	0	0	0	0
Total	430	430	359	135	74	0	1,428

Previous Induced Terminations of Pregnancy  
By Age of Female  
West Virginia Occurrences, 2016

Table 36

Age of Female	Previous Induced Terminations						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	5	0	0	0	0	0	5
15-17	34	2	1	0	0	0	37
18-19	95	9	0	0	0	0	104
20-24	320	104	30	5	8	0	467
25-29	214	124	40	12	8	0	398
30-34	117	67	37	22	13	0	256
35-39	59	35	19	5	5	0	123
40-44	15	16	1	3	1	0	36
45+	1	1	0	0	0	0	2
Unknown	0	0	0	0	0	0	0
Total	860	358	128	47	35	0	1,428

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



West Virginia Vital Statistics  
**Marriages & Divorces**



## Marriages

As of October 9, 2014, same-sex marriage is legally recognized in West Virginia pursuant to the decision in *Bostic v. Schaefer*, 760 F.3d 252 (4th Cir. 2014). However, the overall number of marriages in West Virginia continued to decrease for the fifth year in a row, from 12,296 in 2015 to 11,664 in 2016. Of those 2016 marriages, 11,364 were male-female marriages while 300 were of the same sex. The marriage rate in 2016 was 6.4 per 1,000 population, lower than 6.7 rate in 2015. The 2016 U.S. provisional rate was 6.9.

For male-female marriages in 2016, the median age was 28 for brides and 31 for grooms. The mode (most frequently reported age) for male-female marriages was 25 for brides and 26 for grooms. There were 64 brides and 14 grooms aged less than 18. There were 208 brides and 332 grooms over the age of 65. Also in 2016, there were 186 marriages in which the groom was 20 years or more older than the bride, while there were 20 marriages in which the bride was at least 20 years older.

For first marriages to those who were a male-female union, the median age for brides was 24; for grooms it was 25. The mode for first male-female marriages in West Virginia was 23 for brides and 24 for grooms. All of West Virginia's brides and grooms less than 18 years of age were in their first marriage. There were seven (7) brides and 14 grooms over the age of 65 for which it was a first marriage.

There were 300 same-sex marriages in 2016 compared to 490 in 2015. Of the 300 same-sex marriages in 2016, 89 were to two males and the remaining 211 were to two females. The median age for these same-sex marriages was 32; 36 for males, 30 for females. The mode (most frequently reported age) for same-sex marriages was 26; 24 for males, 26 for females. There were 10 same-sex marriages involving someone over the age of 65; eight (8) of those were males and the remaining two were females. State law requires same-sex partners to be at least 18 years of age.

## Divorces and Annulments

The number of divorces and annulments decreased by 643 or 8.5%, from 7,523 in 2015 to 6,880 in 2016. The 2016 rate of 3.8 per 1,000 population was lower than the 2015 rate of 4.1.

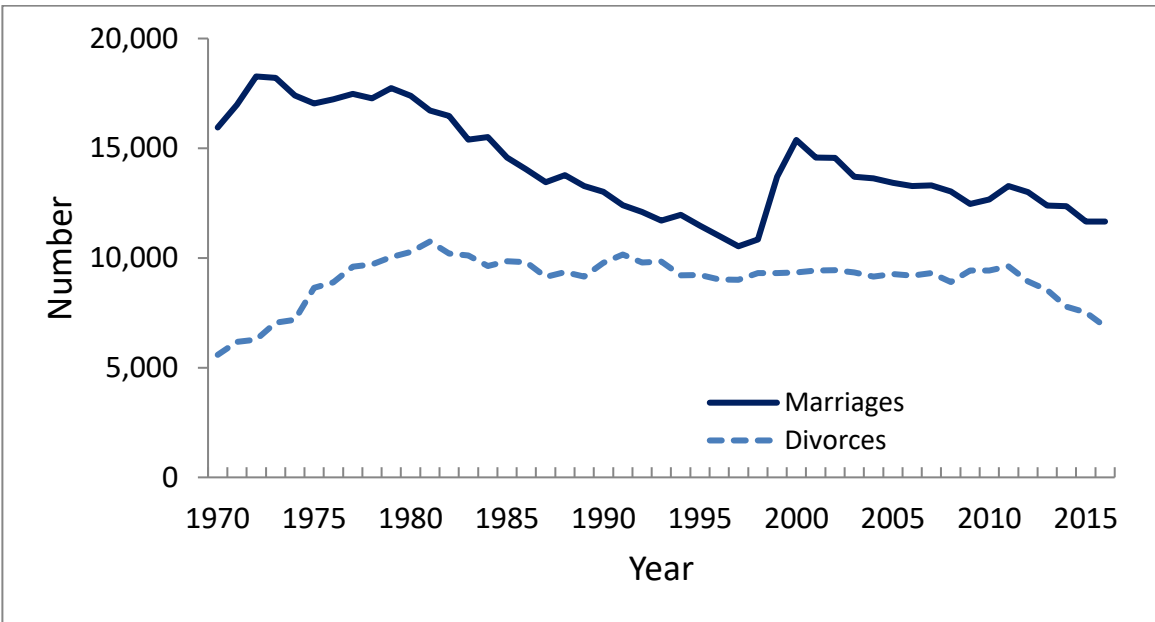
Of the 6,880 divorces in West Virginia in 2016, the median duration of marriage was six years. One out of every five (19.9%) West Virginia divorces with a known duration in 2016 involved marriages lasting only two years or less; 8.5% involved marriages of 25 years or longer. There were six divorces involving a wife aged less than 18 and there were no husbands under age 18. During 2016, 148 divorces involved a wife aged 65 or older and 256 involved a husband in that age group.

More than one-half (55.7%) of the divorces involved no children under 18 years of age in the family, while one child was involved in 21.2% of all divorces and two children were involved in 16.3%. 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 West Virginia regardless of where the couple resides. Marriage and divorce/annulment data are underreported.

Marriages and Divorces  
West Virginia, 1970-2016  
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
2012	12,996	8,932
2013	12,382	8,542
2014	12,356	7,785
2015	12,296	7,523
2016	11,664	6,880

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

All Marriages by Age of Bride and Groom  
West Virginia, 2016

Table 37

Age of Bride/Partner 1	Age of Groom/Partner 2												Total	
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 Years & Over	Unknown		
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	193	378	60	12	6	4	2	2	0	0	0	0	657
20-24 Years	0	80	1,512	879	200	83	39	14	2	3	1	0	0	2,813
25-29 Years	0	12	256	1,245	639	256	118	39	18	5	5	0	0	2,593
30-34 Years	0	2	53	220	569	407	177	71	28	15	6	0	0	1,548
35-39 Years	0	3	25	72	207	340	260	154	57	12	21	0	0	1,151
40-44 Years	0	3	6	32	52	125	269	236	95	37	29	0	0	884
45-49 Years	0	0	3	6	17	50	121	225	175	95	57	0	0	749
50-54 Years	0	0	2	2	4	5	31	77	179	120	92	0	0	512
55-59 Years	0	0	0	1	0	4	13	34	38	109	136	0	0	335
60 Years & Over	0	0	0	0	0	2	3	10	21	49	337	0	0	422
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	293	2,235	2,517	1,700	1,278	1,035	862	615	445	684	0	0	11,664

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

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

Male-Female Marriages by Age of Bride and Groom  
West Virginia, 2016

Table 38

Age of Bride	Age of Groom												Total	
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 Years & Over	Unknown		
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	188	375	56	12	6	3	2	2	0	0	0	0	644
20-24 Years	0	76	1,485	868	197	81	38	14	2	3	1	0	0	2,765
25-29 Years	0	12	249	1,213	623	253	116	38	18	5	5	0	0	2,532
30-34 Years	0	2	50	212	552	396	173	69	26	15	6	0	0	1,501
35-39 Years	0	3	20	66	197	329	256	151	55	12	21	0	0	1,110
40-44 Years	0	3	6	30	47	123	266	232	94	36	28	0	0	865
45-49 Years	0	0	3	6	15	50	118	220	170	92	57	0	0	731
50-54 Years	0	0	0	2	4	5	30	68	173	113	88	0	0	483
55-59 Years	0	0	0	1	0	3	12	30	36	109	131	0	0	322
60 Years & Over	0	0	0	0	0	2	3	10	19	45	332	0	0	411
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	284	2,188	2,454	1,647	1,248	1,015	834	595	430	669	0	0	11,364

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

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

Same-Sex Marriages by Age  
West Virginia, 2016  
Table 39

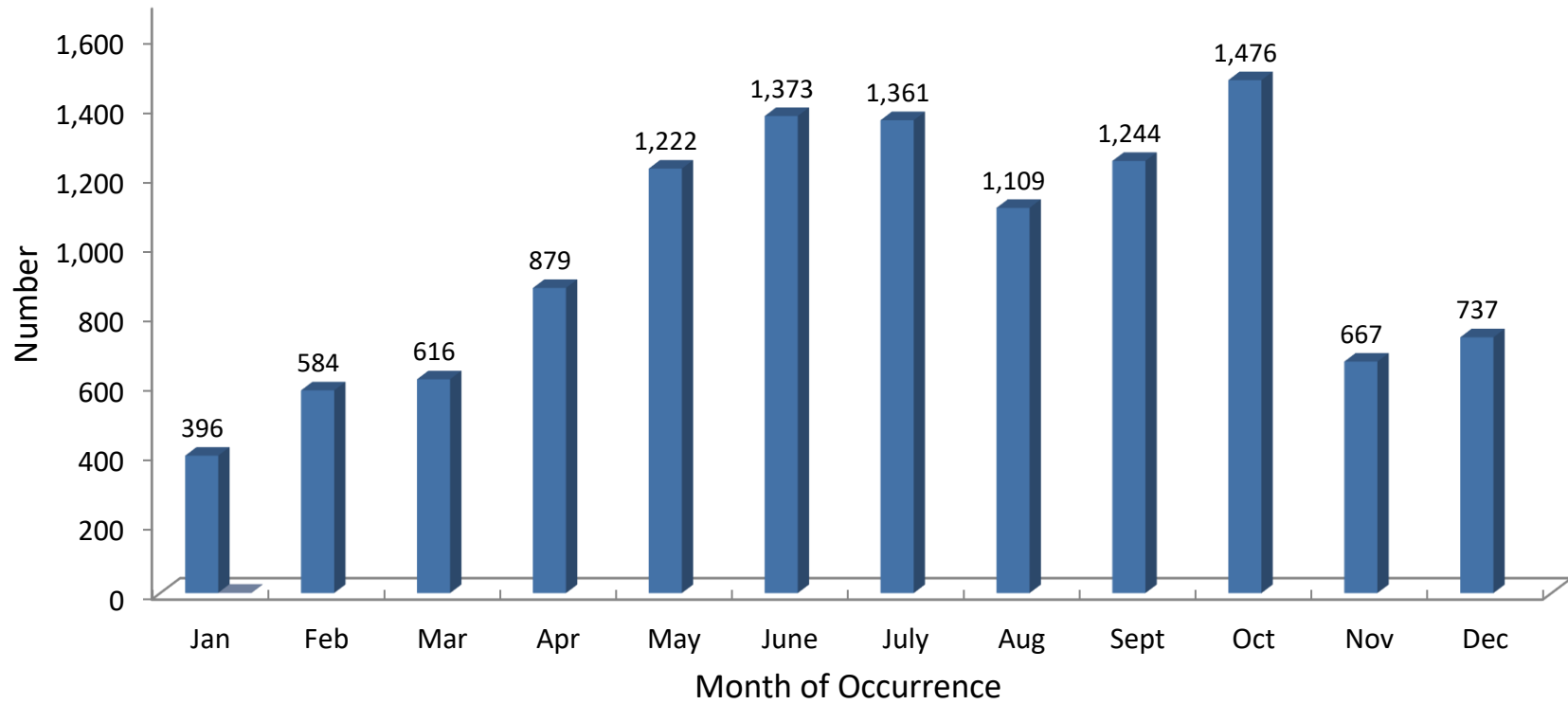
Age of Partner 1	Age of Partner 2												Total	
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 Years & Over	Unknown		
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	5	3	4	0	0	1	0	0	0	0	0	0	13
20-24 Years	0	4	27	11	3	2	1	0	0	0	0	0	0	48
25-29 Years	0	0	7	32	16	3	2	1	0	0	0	0	0	61
30-34 Years	0	0	3	8	17	11	4	2	2	0	0	0	0	47
35-39 Years	0	0	5	6	10	11	4	3	2	0	0	0	0	41
40-44 Years	0	0	0	2	5	2	3	4	1	1	1	0	0	19
45-49 Years	0	0	0	0	2	0	3	5	5	3	0	0	0	18
50-54 Years	0	0	2	0	0	0	1	9	6	7	4	0	0	29
55-59 Years	0	0	0	0	0	1	1	4	2	0	5	0	0	13
60 Years & Over	0	0	0	0	0	0	0	0	2	4	5	0	0	11
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	9	47	63	53	30	20	28	20	15	15	0	0	300

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

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

All Marriages by Month of Occurrence  
West Virginia, 2016  
Exhibit 17



All Marriages by Previous Marital Status  
West Virginia, 2016  
Table 40

Bride/Partner 1	Groom/Partner 2					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,504	51	1,256	5	5	6,821
Widowed	56	130	215	1	0	402
Divorced	1,222	190	2,918	1	18	4,349
Annulled	4	2	4	1	0	11
Not Stated	9	1	15	0	56	81
Total	6,795	374	4,408	8	79	11,664

All Marriages by Number of Previous Marriages  
West Virginia, 2016  
Table 41

Bride/Partner 1	Groom/Partner 2						Total
	Never Previously Married	One Previous Marriage	Two Previous Marriages	Three Previous Marriages	Four or More Previous Marriages	Not Stated	
Never Previously Married	5,558	1,053	213	49	14	1	6,888
One Previous Marriage	998	1,435	516	116	50	0	3,115
Two Previous Marriages	241	511	332	94	19	2	1,199
Three Previous Marriages	43	131	88	45	9	0	316
Four or More Previous Marriages	23	51	33	21	10	0	138
Not Stated	4	3	1	0	0	0	8
Total	6,867	3,184	1,183	325	102	3	11,664

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



Male-Female Marriages by Previous Marital Status  
West Virginia, 2016

Table 42

Bride	Groom					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,321	50	1,209	5	4	6,589
Widowed	56	130	215	1	0	402
Divorced	1,184	190	2,894	1	18	4,287
Annulled	4	2	4	1	0	11
Not Stated	9	1	14	0	51	75
Total	6,574	373	4,336	8	73	11,364

Male-Female Marriages by Number of Previous Marriages  
West Virginia, 2016

Table 43

Bride	Groom						Total
	Never Previously Married	One Previous Marriage	Two Previous Marriages	Three Previous Marriages	Four or More Previous Marriages	Not Stated	
Never Previously Married	5,371	1,012	204	49	14	1	6,651
One Previous Marriage	967	1,415	514	116	49	0	3,061
Two Previous Marriages	234	509	332	94	19	2	1,190
Three Previous Marriages	43	131	88	45	9	0	316
Four or More Previous Marriages	23	51	33	21	10	0	138
Not Stated	4	3	1	0	0	0	8
Total	6,642	3,121	1,172	325	101	3	11,364

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Same-Sex Marriages by Previous Marital Status  
West Virginia, 2016  
Table 44

Partner 1	Partner 2					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	183	1	47	0	1	232
Widowed	0	0	0	0	0	0
Divorced	38	0	24	0	0	62
Annulled	0	0	0	0	0	0
Not Stated	0	0	1	0	5	6
Total	221	1	72	0	6	300

Same-Sex Marriages by Number of Previous Marriages  
West Virginia, 2016  
Table 45

Partner 1	Partner 2						Total
	Never Previously Married	One Previous Marriage	Two Previous Marriages	Three Previous Marriages	Four or More Previous Marriages	Not Stated	
Never Previously Married	187	41	9	0	0	0	237
One Previous Marriage	31	20	2	0	1	0	54
Two Previous Marriages	7	2	0	0	0	0	9
Three Previous Marriages	0	0	0	0	0	0	0
Four or More Previous Marriages	0	0	0	0	0	0	0
Not Stated	0	0	0	0	0	0	0
Total	225	63	11	0	1	0	300

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Divorces and Annulments by Age of Husband and Wife  
West Virginia, 2016  
Table 46

Age of Wife	Age of Husband												Total
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 Years & Over	Un- known	
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	6	36	3	1	0	0	0	1	0	0	0	47
20-24 Years	0	9	297	230	62	15	8	4	3	0	1	6	635
25-29 Years	0	0	55	398	326	107	40	18	8	3	0	17	972
30-34 Years	0	1	8	81	447	344	134	43	16	9	4	17	1,104
35-39 Years	0	0	1	26	118	421	355	121	43	12	14	11	1,122
40-44 Years	0	0	1	7	30	110	340	255	104	44	24	16	931
45-49 Years	0	0	0	3	14	34	112	253	161	79	36	10	702
50-54 Years	0	0	0	2	6	12	27	75	212	133	73	5	545
55-59 Years	0	0	0	0	1	4	9	24	68	107	100	4	317
60 Years & Over	0	0	0	0	0	2	2	6	19	41	249	3	322
Unknown	0	0	1	10	11	18	12	7	6	8	6	104	183
Total	0	16	399	760	1,016	1,067	1,039	806	641	436	507	193	6,880

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Divorces and Annulments by Duration of Marriage and Number of Children  
West Virginia, 2016

Table 47

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	238	27	12	5	0	0	0	0	282
1 to 4 Years	1,377	472	227	48	14	1	0	0	2,139
5 to 9 Years	792	392	365	108	21	3	0	0	1,681
10 to 14 Years	395	208	264	118	12	9	0	0	1,006
15 to 19 Years	251	165	173	80	14	6	2	0	691
20 to 24 Years	258	134	70	16	2	1	0	0	481
25 to 29 Years	215	51	8	3	0	0	1	0	278
30 to 34 Years	142	7	2	2	0	0	1	0	154
35 to 39 Years	72	1	0	0	0	0	0	0	73
40 to 44 Years	49	1	0	0	0	0	0	0	50
45 to 49 Years	22	0	0	0	0	0	0	0	22
50 to 54 Years	5	0	0	0	0	0	0	0	5
55 to 59 Years	1	0	0	0	0	0	0	0	1
60 Years & Over	1	0	0	0	0	0	0	0	1
Unknown	12	1	3	0	0	0	0	0	16
Total	3,830	1,459	1,124	380	63	20	4	0	6,880

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



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. The majority 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 and thus are not included in this report.

*West Virginia Vital Statistics 2007* expanded the number of cities for which data were presented. Previously, 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, 2016  
 Table 48

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate per 1,000 Population*			Number	Rate per 1,000 Population*	
Barbour	171	10.2	1	Monongalia	1,122	10.7	2,726
Berkeley	1,395	12.3	1,061	Monroe	131	9.8	3
Boone	241	10.6	1	Morgan	145	8.2	2
Braxton	115	7.9	1	Nicholas	268	10.6	277
Brooke	188	8.2	397	Ohio	419	9.9	1,661
Cabell	1,039	10.8	3,062	Pendleton	75	10.6	0
Calhoun	82	11.2	2	Pleasants	60	7.9	0
Clay	81	9.1	0	Pocahontas	91	10.7	9
Doddridge	68	8.1	0	Preston	337	10.0	4
Fayette	453	10.2	3	Putnam	555	9.7	15
Gilmer	68	8.2	0	Raleigh	832	10.9	1,044
Grant	113	9.6	245	Randolph	285	9.8	305
Greenbrier	343	9.7	485	Ritchie	100	10.1	2
Hampshire	190	8.2	3	Roane	130	9.1	2
Hancock	218	7.4	1	Summers	107	8.3	3
Hardy	170	12.2	0	Taylor	172	10.2	1
Harrison	737	10.8	1,076	Tucker	74	10.7	0
Jackson	308	10.6	2	Tyler	95	10.6	0
Jefferson	537	9.5	255	Upshur	293	11.9	326
Kanawha	1,959	10.5	3,586	Wayne	428	10.6	1
Lewis	187	11.5	183	Webster	88	10.2	1
Lincoln	242	11.4	0	Wetzel	169	10.8	1
Logan	358	10.6	230	Wirt	55	9.5	0
McDowell	221	11.5	51	Wood	944	11.0	1,373
Marion	659	11.7	173	Wyoming	197	9.1	0
Marshall	307	9.7	2				
Mason	241	9.0	121				
Mercer	662	10.9	1,189	Total	19,070	10.4	19,889
Mineral	276	10.1	3				
Mingo	269	10.9	0				

\*Rates are calculated per 1,000 population. 2016 population estimates are from the U.S. Bureau of the Census.

West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2018

Number of Births by County of Residence  
West Virginia, 2012-2016  
Table 49

County	2012	2013	2014	2015	2016	County	2012	2013	2014	2015	2016
Barbour	191	167	172	163	171	Monongalia	1,017	1,079	1,201	1,094	1,122
Berkeley	1,402	1,379	1,361	1,380	1,395	Monroe	149	121	126	130	131
Boone	255	278	239	233	241	Morgan	132	151	154	126	145
Braxton	169	153	156	176	115	Nicholas	310	285	260	274	268
Brooke	185	180	198	204	188	Ohio	510	460	448	470	419
Cabell	1,236	1,160	1,120	1,087	1,039	Pendleton	70	77	63	62	75
Calhoun	69	82	70	61	82	Pleasants	75	84	62	86	60
Clay	117	103	94	113	81	Pocahontas	83	97	74	83	91
Doddridge	73	64	66	86	68	Preston	334	361	355	322	337
Fayette	531	579	509	496	453	Putnam	578	633	640	601	555
Gilmer	63	73	65	59	68	Raleigh	1,000	919	884	824	832
Grant	111	122	116	134	113	Randolph	332	310	334	285	285
Greenbrier	416	368	333	376	343	Ritchie	91	96	103	101	100
Hampshire	223	232	236	245	190	Roane	172	149	160	132	130
Hancock	300	258	290	268	218	Summers	117	97	98	121	107
Hardy	147	139	148	149	170	Taylor	189	173	160	192	172
Harrison	794	824	796	800	737	Tucker	60	76	68	63	74
Jackson	326	337	321	338	308	Tyler	97	94	94	84	95
Jefferson	580	622	595	563	537	Upshur	291	275	276	248	293
Kanawha	2,222	2,239	2,165	2,058	1,959	Wayne	432	492	444	421	428
Lewis	192	211	200	208	187	Webster	103	98	94	78	88
Lincoln	267	282	269	239	242	Wetzel	165	174	178	179	169
Logan	433	433	379	353	358	Wirt	61	62	58	58	55
McDowell	286	272	224	212	221	Wood	895	1,039	1,018	986	944
Marion	630	696	630	622	659	Wyoming	235	217	234	212	197
Marshall	359	321	338	317	307						
Mason	287	281	280	282	241						
Mercer	793	737	706	734	662	Total	20,813	20,829	20,303	19,778	19,070
Mineral	300	302	294	272	276						
Mingo	358	316	347	318	269						

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



Number and Percent of Low Birthweight (LBW) Births  
By County of Residence  
West Virginia, 2016  
Table 50

County	Number of Births	Low Birth-weight*	Percent LBW	County	Number of Births	Low Birth-weight*	Percent LBW
Barbour	171	17	9.9%	Monongalia	1,122	110	9.8%
Berkeley	1,395	114	8.2%	Monroe	131	9	6.9%
Boone	241	27	11.2%	Morgan	145	11	7.6%
Braxton	115	8	7.0%	Nicholas	268	26	9.7%
Brooke	188	13	6.9%	Ohio	419	37	8.9%
Cabell	1,039	119	11.5%	Pendleton	75	6	8.0%
Calhoun	82	10	12.2%	Pleasants	60	8	13.3%
Clay	81	6	7.4%	Pocahontas	91	2	2.2%
Doddridge	68	4	5.9%	Preston	337	32	9.5%
Fayette	453	45	9.9%	Putnam	555	27	4.9%
Gilmer	68	6	8.8%	Raleigh	832	81	9.7%
Grant	113	19	17.0%	Randolph	285	17	6.0%
Greenbrier	343	39	11.4%	Ritchie	100	8	8.0%
Hampshire	190	18	9.5%	Roane	130	20	15.4%
Hancock	218	22	10.2%	Summers	107	6	5.6%
Hardy	170	13	7.6%	Taylor	172	28	16.3%
Harrison	737	75	10.2%	Tucker	74	6	8.1%
Jackson	308	33	10.7%	Tyler	95	13	13.7%
Jefferson	537	45	8.4%	Upshur	293	17	5.8%
Kanawha	1,959	213	10.9%	Wayne	428	49	11.5%
Lewis	187	21	11.2%	Webster	88	8	9.1%
Lincoln	242	30	12.4%	Wetzel	169	13	7.7%
Logan	358	35	9.8%	Wirt	55	2	3.6%
McDowell	221	29	13.1%	Wood	944	82	8.7%
Marion	659	61	9.3%	Wyoming	197	14	7.1%
Marshall	307	27	8.9%				
Mason	241	26	10.8%				
Mercer	662	79	11.9%	Total	19,070	1,838	9.7%
Mineral	276	22	8.0%				
Mingo	269	30	11.5%				

\* < 2,500 grams

Note: Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

Age of Mother by County  
West Virginia Resident Births, 2016  
Table 51

County	Age of Mother										Total
	10-14 Years	15-17 Years	18-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 Years & Over	Un- known	
Barbour	0	3	16	58	48	26	18	2	0	0	171
Berkeley	1	19	66	352	461	315	155	22	4	0	1,395
Boone	0	10	25	90	59	35	18	3	1	0	241
Braxton	0	1	7	49	38	11	6	1	2	0	115
Brooke	0	3	8	61	61	36	14	5	0	0	188
Cabell	1	19	68	273	327	236	98	17	0	0	1,039
Calhoun	0	1	5	28	24	18	4	1	1	0	82
Clay	0	3	3	25	30	11	4	3	2	0	81
Doddridge	0	0	9	25	17	14	3	0	0	0	68
Fayette	0	13	30	159	114	86	39	9	3	0	453
Gilmer	0	4	5	19	25	8	4	3	0	0	68
Grant	0	1	8	32	36	27	8	1	0	0	113
Greenbrier	0	4	23	98	99	79	32	6	2	0	343
Hampshire	0	9	11	54	49	40	24	1	2	0	190
Hancock	0	5	9	61	69	47	23	4	0	0	218
Hardy	0	1	12	51	49	36	19	2	0	0	170
Harrison	1	16	53	198	224	167	64	12	2	0	737
Jackson	0	8	28	109	75	57	24	5	2	0	308
Jefferson	1	12	19	95	147	164	78	18	3	0	537
Kanawha	1	42	119	514	591	459	201	26	6	0	1,959
Lewis	1	0	11	65	54	39	14	3	0	0	187
Lincoln	0	10	17	88	73	37	15	1	1	0	242
Logan	0	11	27	137	102	59	18	4	0	0	358
McDowell	1	7	18	86	65	32	9	2	1	0	221
Marion	3	9	28	169	242	148	53	6	1	0	659
Marshall	0	4	13	101	90	65	29	4	1	0	307
Mason	0	5	24	83	72	46	9	2	0	0	241
Mercer	1	13	65	229	195	95	55	7	2	0	662
Mineral	0	6	14	80	99	52	22	3	0	0	276
Mingo	0	11	18	115	67	34	18	4	2	0	269
Monongalia	0	8	32	176	351	377	149	28	1	0	1,122
Monroe	0	2	13	39	36	29	9	3	0	0	131
Morgan	0	3	7	38	48	27	17	4	1	0	145
Nicholas	0	4	18	97	83	46	15	3	2	0	268
Ohio	1	5	22	91	146	106	35	10	3	0	419
Pendleton	0	2	5	28	23	7	8	2	0	0	75
Pleasants	0	1	6	13	25	11	4	0	0	0	60
Pocahontas	0	2	7	26	29	15	11	1	0	0	91
Preston	0	3	20	88	108	90	26	2	0	0	337
Putnam	0	8	17	134	192	142	54	8	0	0	555
Raleigh	1	21	60	253	245	168	66	13	5	0	832
Randolph	0	5	19	86	90	57	24	4	0	0	285
Ritchie	0	2	8	26	37	22	4	1	0	0	100
Roane	1	3	13	43	36	23	10	1	0	0	130
Summers	0	1	8	43	35	11	4	5	0	0	107
Taylor	0	6	7	55	48	43	12	1	0	0	172
Tucker	0	1	3	31	23	10	6	0	0	0	74
Tyler	0	2	4	24	31	27	4	3	0	0	95
Upshur	0	1	21	91	99	53	24	2	2	0	293
Wayne	0	13	23	136	137	75	34	7	3	0	428
Webster	0	3	6	37	20	12	8	1	1	0	88
Wetzel	1	2	7	58	66	27	7	1	0	0	169
Wirt	0	1	6	18	14	12	4	0	0	0	55
Wood	1	17	64	297	285	181	84	11	4	0	944
Wyoming	0	6	17	71	60	27	12	2	2	0	197
Total	16	372	1,172	5,503	5,869	4,077	1,709	290	62	0	19,070

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Mother's Marital Status and Method of Paternity Establishment for  
Unmarried Mothers by County  
West Virginia Occurrence Births, 2016

Table 52

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	1	1	0	0
Berkeley	1,061	470	591	395	12	184
Boone	1	0	1	1	0	0
Braxton	1	0	1	1	0	0
Brooke	397	192	205	156	5	44
Cabell	3,062	1,726	1,336	985	53	298
Calhoun	2	1	1	1	0	0
Clay	0	0	0	0	0	0
Doddridge	0	0	0	0	0	0
Fayette	3	2	1	0	0	1
Gilmer	0	0	0	0	0	0
Grant	245	116	129	101	3	25
Greenbrier	485	237	248	176	11	61
Hampshire	3	1	2	1	0	1
Hancock	1	0	1	1	0	0
Hardy	0	0	0	0	0	0
Harrison	1,076	589	487	395	7	85
Jackson	2	1	1	1	0	0
Jefferson	255	131	124	93	2	29
Kanawha	3,586	1,971	1,615	1,225	37	353
Lewis	183	77	106	74	1	31
Lincoln	0	0	0	0	0	0
Logan	230	93	137	56	1	80
McDowell	51	18	33	15	1	17
Marion	173	76	97	74	1	22
Marshall	2	2	0	0	0	0
Mason	121	62	59	37	2	20
Mercer	1,189	660	529	341	14	174
Mineral	3	1	2	1	0	1
Mingo	0	0	0	0	0	0
Monongalia	2,726	1,850	876	631	16	229
Monroe	3	3	0	0	0	0
Morgan	2	2	0	0	0	0
Nicholas	277	131	146	105	0	41
Ohio	1,661	880	781	596	15	170
Pendleton	0	0	0	0	0	0
Pleasants	0	0	0	0	0	0
Pocahontas	9	5	4	4	0	0
Preston	4	3	1	1	0	0
Putnam	15	11	4	3	0	1
Raleigh	1,044	527	517	308	17	192
Randolph	305	150	155	118	3	34
Ritchie	2	2	0	0	0	0
Roane	2	1	1	1	0	0
Summers	3	3	0	0	0	0
Taylor	1	1	0	0	0	0
Tucker	0	0	0	0	0	0
Tyler	0	0	0	0	0	0
Upshur	326	170	156	103	6	47
Wayne	1	0	1	0	0	1
Webster	1	1	0	0	0	0
Wetzel	1	0	1	1	0	0
Wirt	0	0	0	0	0	0
Wood	1,373	702	671	451	13	207
Wyoming	0	0	0	0	0	0
<b>Total</b>	<b>19,889</b>	<b>10,868</b>	<b>9,021</b>	<b>6,453</b>	<b>220</b>	<b>2,348</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*Includes 12 births with unknown marital status

Births by Month by County  
West Virginia Residents, 2016  
Table 53

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	10	10	12	13	14	11	13	19	22	15	14	18	171
Berkeley	107	101	114	119	105	116	120	122	132	119	118	122	1,395
Boone	24	14	22	18	22	16	16	19	22	23	19	26	241
Braxton	4	11	3	9	9	15	12	14	9	8	11	10	115
Brooke	12	13	17	10	13	18	14	22	18	11	17	23	188
Cabell	86	88	83	78	77	99	97	72	103	78	81	97	1,039
Calhoun	11	1	5	8	6	7	5	12	4	7	5	11	82
Clay	8	7	9	7	6	8	6	4	8	6	7	5	81
Doddridge	6	4	7	3	4	3	7	5	13	6	3	7	68
Fayette	42	44	33	41	25	28	44	45	34	38	39	40	453
Gilmer	3	3	10	6	4	6	7	5	5	9	7	3	68
Grant	7	5	13	8	7	11	14	13	10	8	8	9	113
Greenbrier	27	26	32	25	30	21	29	31	25	41	29	27	343
Hampshire	21	20	15	17	18	17	17	11	14	19	12	9	190
Hancock	20	18	8	25	17	18	15	17	25	18	25	12	218
Hardy	19	15	23	7	13	12	9	9	18	17	8	20	170
Harrison	55	51	72	68	74	60	56	82	67	50	57	45	737
Jackson	22	30	31	21	24	20	33	21	44	22	19	21	308
Jefferson	38	40	40	43	54	46	46	51	50	42	45	42	537
Kanawha	164	149	194	135	176	168	163	179	157	154	161	159	1,959
Lewis	18	16	14	19	18	10	16	22	15	13	14	12	187
Lincoln	21	13	20	10	22	20	25	28	20	19	19	25	242
Logan	25	25	35	27	26	35	32	40	23	26	40	24	358
McDowell	15	12	18	18	23	12	22	24	15	21	20	21	221
Marion	46	50	58	51	59	42	61	75	59	53	49	56	659
Marshall	24	30	26	25	25	29	27	35	21	24	22	19	307
Mason	18	18	16	22	14	16	16	23	29	27	22	20	241
Mercer	50	54	49	47	60	42	55	70	62	52	55	66	662
Mineral	28	22	16	35	16	24	31	23	18	23	19	21	276
Mingo	23	19	15	13	23	23	27	26	21	27	22	30	269
Monongalia	110	80	85	85	101	91	95	119	100	81	89	86	1,122
Monroe	12	8	14	12	9	11	12	16	6	11	11	9	131
Morgan	12	9	15	13	13	12	18	6	11	12	12	12	145
Nicholas	16	26	21	13	28	21	27	26	23	19	25	23	268
Ohio	33	24	30	28	35	46	48	36	37	33	40	29	419
Pendleton	7	9	10	6	7	5	6	6	5	8	4	2	75
Pleasants	10	4	7	1	3	5	7	6	6	7	3	1	60
Pocahontas	7	8	3	6	6	10	5	8	10	9	7	12	91
Preston	31	26	26	37	34	26	32	24	29	21	23	28	337
Putnam	50	37	46	50	47	34	51	47	40	58	52	43	555
Raleigh	58	86	64	58	62	61	85	69	85	63	69	72	832
Randolph	23	16	31	23	27	23	27	27	27	20	18	23	285
Ritchie	11	11	6	6	8	9	7	8	6	7	9	12	100
Roane	17	11	6	11	7	5	14	11	12	10	13	13	130
Summers	13	5	10	7	11	9	10	10	10	13	1	8	107
Taylor	17	7	11	20	12	21	12	13	12	15	16	16	172
Tucker	7	6	4	8	6	5	10	6	8	7	2	5	74
Tyler	5	8	5	11	14	4	2	7	12	9	10	8	95
Upshur	19	24	27	21	27	32	25	19	26	26	24	23	293
Wayne	39	41	32	35	29	29	47	30	37	38	35	36	428
Webster	8	6	8	5	13	1	3	13	7	10	7	7	88
Wetzel	14	13	19	11	12	16	15	17	12	14	18	8	169
Wirt	3	2	9	5	0	5	5	3	4	1	12	6	55
Wood	65	79	86	67	84	91	92	80	83	67	73	77	944
Wyoming	18	15	20	18	7	18	23	19	13	16	13	17	197
Total	1,559	1,470	1,605	1,485	1,586	1,543	1,713	1,745	1,684	1,551	1,553	1,576	19,070

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Place of Delivery, Gender of Child by Race and Marital Status of Mother by County  
West Virginia Resident Births, 2016  
Table 54

County	Place of Delivery		White or Caucasian		Black or African American		All Other Races		Number of Births to Unmarried Mothers	Total
	Hospital*	Non-Hospital**	Male	Female	Male	Female	Male	Female		
Barbour	171	0	80	89	0	1	0	1	80	171
Berkeley	1,378	17	619	612	54	48	38	23	629	1,395
Boone	241	0	116	121	0	0	3	1	141	241
Braxton	115	0	71	42	0	0	1	1	53	115
Brooke	187	1	87	96	1	1	1	2	99	188
Cabell	1,035	4	452	495	21	42	16	13	487	1,039
Calhoun	81	1	44	37	0	0	1	0	32	82
Clay	81	0	49	32	0	0	0	0	31	81
Doddridge	68	0	38	30	0	0	0	0	34	68
Fayette	451	2	221	201	7	13	5	6	221	453
Gilmer	68	0	41	27	0	0	0	0	31	68
Grant	113	0	63	49	0	0	1	0	49	113
Greenbrier	339	4	173	152	3	2	7	6	164	343
Hampshire	189	1	96	89	1	1	1	2	93	190
Hancock	218	0	98	107	2	2	3	6	113	218
Hardy	170	0	73	81	6	6	3	1	82	170
Harrison	735	2	363	349	3	10	8	4	334	737
Jackson	307	1	150	152	1	2	2	1	147	308
Jefferson	528	9	253	234	12	8	17	12	193	537
Kanawha	1,956	3	857	840	63	72	60	65	986	1,959
Lewis	187	0	92	92	0	0	2	1	95	187
Lincoln	242	0	122	119	0	1	0	0	124	242
Logan	358	0	189	159	2	6	2	0	149	358
McDowell	220	1	115	93	5	5	2	1	113	221
Marion	657	2	334	287	12	6	11	9	275	659
Marshall	304	3	139	161	0	1	2	4	152	307
Mason	237	4	119	117	0	2	0	3	114	241
Mercer	662	0	311	285	21	24	12	8	323	662
Mineral	274	2	123	141	3	5	1	3	127	276
Mingo	269	0	125	140	1	1	0	2	125	269
Monongalia	1,118	4	481	487	27	19	48	60	322	1,122
Monroe	128	3	64	66	0	0	1	0	48	131
Morgan	142	3	67	74	0	2	0	2	72	145
Nicholas	268	0	128	137	0	0	2	0	122	268
Ohio	418	1	196	180	7	8	15	13	188	419
Pendleton	75	0	37	36	0	1	1	0	34	75
Pleasants	60	0	33	27	0	0	0	0	25	60
Pocahontas	84	7	48	40	0	0	2	1	46	91
Preston	335	2	189	144	0	0	1	3	123	337
Putnam	552	3	284	254	2	2	3	10	177	555
Raleigh	827	5	377	368	23	27	15	18	351	832
Randolph	283	2	143	133	2	1	3	3	143	285
Ritchie	98	2	54	45	0	0	0	1	41	100
Roane	130	0	72	57	0	0	0	1	61	130
Summers	104	3	55	48	1	1	1	1	48	107
Taylor	171	1	85	86	0	0	1	0	76	172
Tucker	74	0	26	46	0	0	0	2	32	74
Tyler	95	0	52	43	0	0	0	0	39	95
Upshur	293	0	127	163	0	0	1	2	139	293
Wayne	428	0	212	210	2	1	2	0	174	428
Webster	88	0	36	49	0	0	1	1	42	88
Wetzel	169	0	99	69	0	0	0	1	85	169
Wirt	55	0	28	25	0	0	1	1	24	55
Wood	938	6	441	468	1	4	15	13	445	944
Wyoming	197	0	103	92	0	0	0	1	80	197
Total	18,971	99	9,050	8,776	283	325	312	309	8,533	19,070

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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

\*\*Includes two unknown.

NOTE: Does NOT include 26 births with mother's unknown race.

Trimester Prenatal Care Began by County  
West Virginia Resident Births, 2016  
Table 55

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown	Total
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	135	79.4%	30	17.6%	5	2.9%	0	0.0%	1	171
Berkeley	1,076	77.9%	225	16.3%	76	5.5%	5	0.4%	13	1,395
Boone	179	75.2%	49	20.6%	6	2.5%	4	1.7%	3	241
Braxton	89	77.4%	16	13.9%	9	7.8%	1	0.9%	0	115
Brooke	133	71.1%	46	24.6%	6	3.2%	2	1.1%	1	188
Cabell	901	86.9%	100	9.6%	24	2.3%	12	1.2%	2	1,039
Calhoun	67	81.7%	13	15.9%	2	2.4%	0	0.0%	0	82
Clay	63	77.8%	14	17.3%	2	2.5%	2	2.5%	0	81
Doddridge	48	70.6%	15	22.1%	4	5.9%	1	1.5%	0	68
Fayette	353	78.6%	69	15.4%	23	5.1%	4	0.9%	4	453
Gilmer	58	85.3%	7	10.3%	2	2.9%	1	1.5%	0	68
Grant	89	78.8%	18	15.9%	2	1.8%	4	3.5%	0	113
Greenbrier	267	79.0%	41	12.1%	21	6.2%	9	2.7%	5	343
Hampshire	139	73.5%	40	21.2%	4	2.1%	6	3.2%	1	190
Hancock	140	65.4%	56	26.2%	12	5.6%	6	2.8%	4	218
Hardy	126	74.6%	35	20.7%	6	3.6%	2	1.2%	1	170
Harrison	586	79.7%	115	15.6%	28	3.8%	6	0.8%	2	737
Jackson	230	75.2%	59	19.3%	13	4.2%	4	1.3%	2	308
Jefferson	438	82.2%	69	12.9%	19	3.6%	7	1.3%	4	537
Kanawha	1,544	79.4%	288	14.8%	77	4.0%	36	1.9%	14	1,959
Lewis	152	81.7%	28	15.1%	5	2.7%	1	0.5%	1	187
Lincoln	199	83.3%	31	13.0%	7	2.9%	2	0.8%	3	242
Logan	274	76.8%	62	17.4%	15	4.2%	6	1.7%	1	358
McDowell	160	73.1%	47	21.5%	10	4.6%	2	0.9%	2	221
Marion	496	75.8%	126	19.3%	26	4.0%	6	0.9%	5	659
Marshall	246	82.0%	40	13.3%	9	3.0%	5	1.7%	7	307
Mason	187	78.2%	36	15.1%	15	6.3%	1	0.4%	2	241
Mercer	511	77.9%	97	14.8%	35	5.3%	13	2.0%	6	662
Mineral	217	78.9%	53	19.3%	3	1.1%	2	0.7%	1	276
Mingo	181	71.5%	48	19.0%	21	8.3%	3	1.2%	16	269
Monongalia	904	80.6%	162	14.4%	41	3.7%	15	1.3%	0	1,122
Monroe	108	84.4%	14	10.9%	5	3.9%	1	0.8%	3	131
Morgan	104	73.2%	28	19.7%	6	4.2%	4	2.8%	3	145
Nicholas	205	77.1%	47	17.7%	9	3.4%	5	1.9%	2	268
Ohio	327	80.5%	53	13.1%	18	4.4%	8	2.0%	13	419
Pendleton	52	69.3%	19	25.3%	0	0.0%	4	5.3%	0	75
Pleasants	46	76.7%	12	20.0%	2	3.3%	0	0.0%	0	60
Pocahontas	62	68.9%	14	15.6%	10	11.1%	4	4.4%	1	91
Preston	276	81.9%	45	13.4%	12	3.6%	4	1.2%	0	337
Putnam	495	89.4%	39	7.0%	14	2.5%	6	1.1%	1	555
Raleigh	674	81.3%	100	12.1%	45	5.4%	10	1.2%	3	832
Randolph	221	77.5%	41	14.4%	15	5.3%	8	2.8%	0	285
Ritchie	81	81.0%	15	15.0%	4	4.0%	0	0.0%	0	100
Roane	90	69.2%	28	21.5%	11	8.5%	1	0.8%	0	130
Summers	78	73.6%	20	18.9%	6	5.7%	2	1.9%	1	107
Taylor	135	78.5%	31	18.0%	5	2.9%	1	0.6%	0	172
Tucker	57	77.0%	16	21.6%	1	1.4%	0	0.0%	0	74
Tyler	70	76.9%	14	15.4%	3	3.3%	4	4.4%	4	95
Upshur	224	77.5%	39	13.5%	18	6.2%	8	2.8%	4	293
Wayne	375	88.0%	42	9.9%	8	1.9%	1	0.2%	2	428
Webster	71	80.7%	11	12.5%	5	5.7%	1	1.1%	0	88
Wetzel	130	78.3%	27	16.3%	5	3.0%	4	2.4%	3	169
Wirt	43	78.2%	8	14.5%	3	5.5%	1	1.8%	0	55
Wood	785	83.4%	121	12.9%	22	2.3%	13	1.4%	3	944
Wyoming	150	76.9%	32	16.4%	12	6.2%	1	0.5%	2	197
<b>Total</b>	<b>15,047</b>	<b>79.5%</b>	<b>2,851</b>	<b>15.1%</b>	<b>767</b>	<b>4.1%</b>	<b>259</b>	<b>1.4%</b>	<b>146</b>	<b>19,070</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*Percentages calculated excluding unknown.

Number of Prenatal Visits by County  
West Virginia Resident Births, 2016  
Table 56

County	Number of Prenatal Visits										Un- known	Total
	No Visits		1-5 Visits		6-10 Visits		11-15 Visits		16 or More Visits			
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	0	0.0%	11	6.4%	46	26.9%	101	59.1%	13	7.6%	0	171
Berkeley	6	0.4%	101	7.3%	389	28.1%	772	55.8%	116	8.4%	11	1,395
Boone	4	1.7%	26	10.9%	62	26.1%	123	51.7%	23	9.7%	3	241
Braxton	1	0.9%	9	8.0%	30	26.5%	61	54.0%	12	10.6%	2	115
Brooke	2	1.1%	4	2.1%	63	33.7%	103	55.1%	15	8.0%	1	188
Cabell	13	1.3%	36	3.5%	321	31.0%	510	49.2%	157	15.1%	2	1,039
Calhoun	0	0.0%	4	4.9%	18	22.0%	47	57.3%	13	15.9%	0	82
Clay	2	2.5%	6	7.4%	19	23.5%	42	51.9%	12	14.8%	0	81
Doddridge	1	1.5%	2	2.9%	24	35.3%	36	52.9%	5	7.4%	0	68
Fayette	4	0.9%	31	6.9%	109	24.4%	219	49.0%	84	18.8%	6	453
Gilmer	1	1.5%	4	5.9%	20	29.4%	34	50.0%	9	13.2%	0	68
Grant	4	3.6%	5	4.5%	23	20.5%	53	47.3%	27	24.1%	1	113
Greenbrier	9	2.9%	37	11.7%	55	17.5%	173	54.9%	41	13.0%	28	343
Hampshire	6	3.2%	8	4.2%	53	27.9%	113	59.5%	10	5.3%	0	190
Hancock	6	2.8%	23	10.8%	75	35.4%	104	49.1%	4	1.9%	6	218
Hardy	2	1.2%	5	3.0%	40	23.7%	85	50.3%	37	21.9%	1	170
Harrison	7	1.0%	46	6.3%	197	26.9%	423	57.7%	60	8.2%	4	737
Jackson	4	1.3%	25	8.2%	75	24.5%	160	52.3%	42	13.7%	2	308
Jefferson	7	1.3%	29	5.4%	185	34.6%	276	51.6%	38	7.1%	2	537
Kanawha	36	1.9%	125	6.4%	498	25.6%	1,013	52.1%	273	14.0%	14	1,959
Lewis	1	0.5%	9	4.8%	41	22.0%	105	56.5%	30	16.1%	1	187
Lincoln	3	1.3%	13	5.4%	69	28.8%	109	45.4%	46	19.2%	2	242
Logan	6	1.7%	24	6.7%	110	30.8%	185	51.8%	32	9.0%	1	358
McDowell	2	0.9%	10	4.6%	54	24.8%	119	54.6%	33	15.1%	3	221
Marion	7	1.1%	38	5.8%	190	29.1%	318	48.6%	101	15.4%	5	659
Marshall	5	1.7%	6	2.0%	40	13.4%	188	62.9%	60	20.1%	8	307
Mason	1	0.4%	12	5.0%	62	26.1%	105	44.1%	58	24.4%	3	241
Mercer	13	2.0%	33	5.0%	126	19.0%	390	58.9%	100	15.1%	0	662
Mineral	2	0.7%	19	6.9%	99	36.1%	138	50.4%	16	5.8%	2	276
Mingo	3	1.2%	16	6.5%	86	34.7%	125	50.4%	18	7.3%	21	269
Monongalia	16	1.4%	50	4.5%	278	24.8%	563	50.3%	212	18.9%	3	1,122
Monroe	1	0.8%	7	5.7%	31	25.2%	73	59.3%	11	8.9%	8	131
Morgan	4	2.8%	12	8.4%	44	30.8%	76	53.1%	7	4.9%	2	145
Nicholas	5	1.9%	15	5.6%	89	33.5%	133	50.0%	24	9.0%	2	268
Ohio	9	2.2%	18	4.4%	72	17.8%	243	60.0%	63	15.6%	14	419
Pendleton	4	5.3%	8	10.7%	6	8.0%	38	50.7%	19	25.3%	0	75
Pleasants	0	0.0%	4	6.7%	20	33.3%	28	46.7%	8	13.3%	0	60
Pocahontas	4	4.5%	11	12.5%	23	26.1%	44	50.0%	6	6.8%	3	91
Preston	4	1.2%	18	5.4%	104	31.1%	140	41.9%	68	20.4%	3	337
Putnam	7	1.3%	20	3.6%	115	20.8%	319	57.7%	92	16.6%	2	555
Raleigh	10	1.2%	48	5.8%	157	18.9%	445	53.7%	169	20.4%	3	832
Randolph	8	2.8%	16	5.7%	67	23.7%	154	54.4%	38	13.4%	2	285
Ritchie	0	0.0%	2	2.0%	23	23.0%	60	60.0%	15	15.0%	0	100
Roane	1	0.8%	18	13.8%	33	25.4%	61	46.9%	17	13.1%	0	130
Summers	2	1.9%	9	8.5%	21	19.8%	58	54.7%	16	15.1%	1	107
Taylor	1	0.6%	12	7.1%	49	28.8%	93	54.7%	15	8.8%	2	172
Tucker	0	0.0%	1	1.4%	20	27.0%	47	63.5%	6	8.1%	0	74
Tyler	4	4.4%	3	3.3%	13	14.3%	56	61.5%	15	16.5%	4	95
Upshur	8	2.8%	23	8.0%	59	20.6%	131	45.6%	66	23.0%	6	293
Wayne	1	0.2%	15	3.5%	118	27.7%	219	51.4%	73	17.1%	2	428
Webster	1	1.1%	7	8.0%	35	39.8%	40	45.5%	5	5.7%	0	88
Wetzel	4	2.4%	10	6.0%	52	31.1%	85	50.9%	16	9.6%	2	169
Wirt	1	1.8%	1	1.8%	13	23.6%	31	56.4%	9	16.4%	0	55
Wood	13	1.4%	29	3.1%	193	20.5%	524	55.7%	181	19.3%	4	944
Wyoming	1	0.5%	15	7.7%	53	27.3%	93	47.9%	32	16.5%	3	197
<b>Total</b>	<b>267</b>	<b>1.4%</b>	<b>1,089</b>	<b>5.8%</b>	<b>4,867</b>	<b>25.8%</b>	<b>9,984</b>	<b>52.9%</b>	<b>2,668</b>	<b>14.1%</b>	<b>195</b>	<b>19,070</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*Percentages calculated excluding unknown.

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, 2016

Table 57

County	Pregnancy Risk Factors			Cesarean Section		1 or More Complications of Labor and/or Delivery	1 or More Congenital Anomalies	1 or More Abnormal Conditions of the Newborn
	Tobacco Use	1 or More Medical Risk Factors	Maternal Drug Use	Primary	Repeat			
Barbour	26.9	39.8	5.8	12.3	9.4	31.6	0.0	9.4
Berkeley	17.3	46.7	8.0	16.1	13.2	32.5	0.5	17.7
Boone	35.7	53.5	13.7	24.9	19.5	27.8	1.3	17.0
Braxton	36.0	43.5	13.0	18.3	14.8	40.0	0.9	14.8
Brooke	25.5	35.1	3.7	24.5	11.7	50.0	0.5	12.8
Cabell	24.7	43.1	9.4	17.3	14.1	38.7	0.8	16.2
Calhoun	39.0	35.4	4.9	29.3	18.3	29.3	2.4	9.8
Clay	32.1	49.4	11.1	19.8	17.3	27.2	1.3	13.6
Doddridge	22.1	41.2	5.9	17.6	20.6	20.6	0.0	13.2
Fayette	30.2	47.7	9.7	19.4	13.2	39.7	2.9	14.3
Gilmer	20.6	41.2	7.4	29.4	17.6	50.0	0.0	14.7
Grant	20.5	41.6	5.3	20.4	18.6	27.4	3.5	9.7
Greenbrier	29.9	26.5	8.7	18.4	4.7	22.4	2.6	11.7
Hampshire	29.8	37.9	3.2	15.3	13.7	25.3	1.1	10.0
Hancock	30.7	35.8	4.6	18.3	17.9	56.4	0.9	17.0
Hardy	24.7	39.4	0.6	21.8	21.8	28.8	1.8	7.6
Harrison	23.6	42.1	6.9	21.7	13.6	24.4	0.8	16.8
Jackson	32.9	38.6	11.4	20.5	16.6	26.0	1.3	14.6
Jefferson	15.3	45.1	6.3	17.9	13.6	43.9	0.2	18.6
Kanawha	26.6	48.1	14.2	21.6	19.0	29.8	0.6	14.9
Lewis	24.1	40.1	6.4	18.2	7.5	37.4	1.6	17.6
Lincoln	31.4	51.2	9.9	22.7	19.8	33.1	0.4	15.7
Logan	31.7	43.3	8.7	36.9	13.7	25.1	0.6	14.5
McDowell	35.7	36.2	5.0	22.2	13.6	27.6	0.0	13.6
Marion	24.6	39.8	10.3	21.2	12.4	29.0	1.1	17.0
Marshall	25.5	34.9	5.2	23.1	14.7	46.6	1.6	18.2
Mason	27.0	45.6	6.2	22.0	11.2	42.7	2.1	16.6
Mercer	28.4	32.3	4.7	19.0	11.8	33.7	0.2	13.7
Mineral	20.4	37.0	0.7	11.6	15.6	29.0	0.0	9.1
Mingo	37.1	36.1	3.3	32.3	14.1	22.7	1.1	11.5
Monongalia	14.0	37.3	3.6	20.0	13.5	41.7	0.5	14.3
Monroe	28.2	32.8	3.1	15.3	13.7	33.6	2.3	11.5
Morgan	30.5	36.6	4.8	9.7	8.3	28.3	0.0	14.5
Nicholas	34.7	39.2	7.5	24.6	15.3	34.3	2.3	14.2
Ohio	25.6	34.1	9.5	21.5	15.3	48.9	0.2	16.2
Pendleton	24.0	38.7	5.3	16.0	14.7	32.0	0.0	12.0
Pleasants	25.0	23.3	1.7	25.0	6.7	36.7	1.7	10.0
Pocahontas	31.9	35.2	15.4	18.7	8.8	29.7	1.1	22.0
Preston	28.6	34.7	1.5	16.0	11.9	36.2	0.6	16.3
Putnam	16.8	46.8	5.9	19.8	19.5	31.0	1.1	11.4
Raleigh	26.1	50.2	6.5	16.6	13.8	48.3	6.9	14.4
Randolph	29.2	40.0	13.7	9.8	13.0	39.6	1.1	18.2
Ritchie	25.0	29.0	4.0	23.0	12.0	27.0	0.0	5.0
Roane	34.4	44.6	6.2	26.2	21.5	27.7	0.8	12.3
Summers	30.8	30.8	7.5	19.6	9.3	37.4	2.8	11.2
Taylor	25.0	54.1	8.7	21.5	19.8	32.6	1.8	22.7
Tucker	17.6	39.2	4.1	16.2	12.2	27.0	1.4	17.6
Tyler	34.7	42.1	4.2	21.1	23.2	29.5	2.1	17.9
Upshur	32.8	40.3	11.9	15.0	13.7	36.5	1.4	18.1
Wayne	25.0	44.6	5.6	18.7	13.3	37.4	0.0	18.7
Webster	28.4	38.6	8.0	19.3	18.2	42.0	0.0	12.5
Wetzel	33.7	41.4	9.5	21.3	20.1	37.9	0.6	16.6
Wirt	29.1	25.5	7.3	27.3	10.9	12.7	0.0	12.7
Wood	24.6	34.5	5.4	23.5	18.6	23.7	0.6	9.0
Wyoming	31.8	45.7	5.6	26.4	12.7	39.6	5.1	16.2
Total	25.4	41.5	7.7	20.1	14.8	34.2	1.2	14.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 201

\*Percentages calculated excluding unknown.



Number of Deaths by Race, Gender and County of Residence  
West Virginia, 2016

Table 58

County	White or Caucasian		Black or African American		All Other Races		Total
	Male	Female	Male	Female	Male	Female	
Barbour	101	90	0	1	0	0	192
Berkeley	539	434	55	19	2	1	1,050
Boone	148	151	0	0	0	0	299
Braxton	107	72	0	0	0	0	179
Brooke	185	199	1	4	1	0	391
Cabell	608	591	31	34	1	2	1,267
Calhoun	42	36	0	0	0	1	79
Clay	70	52	0	0	0	1	123
Doddridge	45	40	0	0	0	0	85
Fayette	319	305	24	11	1	0	660
Gilmer	43	47	0	0	0	0	90
Grant	69	63	0	0	0	1	133
Greenbrier	224	233	7	12	0	0	478
Hampshire	145	109	0	0	0	0	254
Hancock	204	193	3	3	0	0	403
Hardy	92	75	1	2	0	0	170
Harrison	435	401	5	6	1	3	851
Jackson	181	167	0	0	0	0	348
Jefferson	250	192	23	18	2	2	488
Kanawha	1,149	1,193	94	73	2	6	2,520
Lewis	119	114	0	0	0	0	233
Lincoln	160	115	0	0	0	1	276
Logan	264	264	5	4	1	0	539
McDowell	165	131	19	22	0	0	337
Marion	356	329	12	10	0	0	708
Marshall	201	226	2	2	0	0	432
Mason	167	172	1	2	0	0	343
Mercer	390	398	30	24	3	1	846
Mineral	161	172	3	2	0	1	339
Mingo	154	176	4	4	2	0	340
Monongalia	367	334	16	8	1	3	729
Monroe	74	85	1	0	0	0	160
Morgan	124	115	1	1	0	1	242
Nicholas	181	153	0	0	1	1	336
Ohio	252	294	16	13	1	0	576
Pendleton	51	43	1	0	0	0	95
Pleasants	45	49	0	0	0	0	94
Pocahontas	58	37	0	0	0	0	95
Preston	204	158	4	0	1	0	367
Putnam	342	278	2	1	1	0	625
Raleigh	503	477	31	34	2	1	1,049
Randolph	192	173	1	0	0	0	366
Ritchie	65	42	1	0	0	0	108
Roane	121	95	0	0	0	0	216
Summers	101	80	2	2	0	0	185
Taylor	103	98	1	1	0	0	203
Tucker	52	42	0	0	0	0	95
Tyler	55	68	0	0	0	0	123
Upshur	162	145	1	0	0	0	308
Wayne	281	225	0	0	0	0	506
Webster	60	57	0	0	0	0	117
Wetzel	105	91	0	0	0	0	196
Wirt	30	26	0	0	0	0	56
Wood	513	587	5	2	1	0	1,108
Wyoming	152	161	0	0	0	0	313
<b>Total</b>	<b>11,286</b>	<b>10,653</b>	<b>403</b>	<b>315</b>	<b>24</b>	<b>26</b>	<b>22,721</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Number of Deaths by County of Residence and Occurrence  
West Virginia, 2016  
Table 59

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	192	123	Monongalia	729	1,627
Berkeley	1,050	962	Monroe	160	90
Boone	299	177	Morgan	242	148
Braxton	179	123	Nicholas	336	215
Brooke	391	397	Ohio	576	1,081
Cabell	1,267	2,137	Pendleton	95	50
Calhoun	79	53	Pleasants	94	68
Clay	123	64	Pocahontas	95	72
Doddridge	85	33	Preston	367	249
Fayette	660	374	Putnam	625	404
Gilmer	90	65	Raleigh	1,049	1,300
Grant	133	151	Randolph	366	355
Greenbrier	478	441	Ritchie	108	53
Hampshire	254	177	Roane	216	138
Hancock	403	188	Summers	185	142
Hardy	170	73	Taylor	203	161
Harrison	851	961	Tucker	95	82
Jackson	348	211	Tyler	123	82
Jefferson	488	497	Upshur	308	214
Kanawha	2,520	3,427	Wayne	506	268
Lewis	233	185	Webster	117	64
Lincoln	276	125	Wetzel	196	138
Logan	539	427	Wirt	56	24
McDowell	337	222	Wood	1,108	1,049
Marion	708	514	Wyoming	313	130
Marshall	432	208			
Mason	343	244			
Mercer	846	830	Total	22,721	22,001
Mineral	339	224			
Mingo	340	184			

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Resident deaths include 2,259 West Virginians dying out of state.

Method of Disposition by County of Residence  
West Virginia Deaths, 2016  
Table 60

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	128	66.7%	59	30.7%	0	0.0%	5	2.6%	0	0.0%	0	192
Berkeley	434	41.4%	514	49.0%	26	2.5%	66	6.3%	8	0.8%	2	1,050
Boone	213	71.2%	67	22.4%	5	1.7%	9	3.0%	5	1.7%	0	299
Braxton	107	59.8%	66	36.9%	0	0.0%	4	2.2%	2	1.1%	0	179
Brooke	150	38.4%	117	29.9%	3	0.8%	114	29.2%	7	1.8%	0	391
Cabell	748	59.1%	414	32.7%	18	1.4%	35	2.8%	50	4.0%	2	1,267
Calhoun	44	55.7%	29	36.7%	2	2.5%	4	5.1%	0	0.0%	0	79
Clay	82	66.7%	34	27.6%	2	1.6%	5	4.1%	0	0.0%	0	123
Doddridge	44	51.8%	36	42.4%	1	1.2%	4	4.7%	0	0.0%	0	85
Fayette	391	59.3%	196	29.7%	15	2.3%	18	2.7%	39	5.9%	1	660
Gilmer	57	63.3%	30	33.3%	2	2.2%	1	1.1%	0	0.0%	0	90
Grant	80	60.2%	32	24.1%	3	2.3%	18	13.5%	0	0.0%	0	133
Greenbrier	268	56.2%	151	31.7%	12	2.5%	38	8.0%	8	1.7%	1	478
Hampshire	102	40.2%	105	41.3%	7	2.8%	40	15.7%	0	0.0%	0	254
Hancock	162	40.2%	121	30.0%	1	0.2%	102	25.3%	17	4.2%	0	403
Hardy	92	54.1%	44	25.9%	4	2.4%	30	17.6%	0	0.0%	0	170
Harrison	496	58.4%	304	35.8%	14	1.6%	21	2.5%	15	1.8%	1	851
Jackson	223	64.3%	94	27.1%	5	1.4%	17	4.9%	8	2.3%	1	348
Jefferson	158	32.4%	256	52.5%	15	3.1%	58	11.9%	1	0.2%	0	488
Kanawha	1,329	52.7%	957	38.0%	68	2.7%	41	1.6%	125	5.0%	0	2,520
Lewis	154	66.1%	70	30.0%	3	1.3%	6	2.6%	0	0.0%	0	233
Lincoln	226	81.9%	49	17.8%	0	0.0%	0	0.0%	1	0.4%	0	276
Logan	362	67.2%	144	26.7%	4	0.7%	11	2.0%	18	3.3%	0	539
McDowell	234	69.4%	68	20.2%	0	0.0%	26	7.7%	9	2.7%	0	337
Marion	428	60.5%	236	33.3%	17	2.4%	14	2.0%	13	1.8%	0	708
Marshall	212	49.1%	151	35.0%	4	0.9%	55	12.7%	10	2.3%	0	432
Mason	201	58.6%	99	28.9%	2	0.6%	40	11.7%	1	0.3%	0	343
Mercer	452	53.7%	273	32.4%	7	0.8%	81	9.6%	29	3.4%	4	846
Mineral	178	52.7%	131	38.8%	6	1.8%	18	5.3%	5	1.5%	1	339
Mingo	260	76.9%	63	18.6%	0	0.0%	5	1.5%	10	3.0%	2	340
Monongalia	403	55.3%	277	38.0%	17	2.3%	22	3.0%	10	1.4%	0	729
Monroe	90	56.3%	43	26.9%	2	1.3%	23	14.4%	2	1.3%	0	160
Morgan	83	34.3%	116	47.9%	6	2.5%	36	14.9%	1	0.4%	0	242
Nicholas	218	64.9%	105	31.3%	5	1.5%	6	1.8%	2	0.6%	0	336
Ohio	267	46.4%	265	46.0%	8	1.4%	11	1.9%	25	4.3%	0	576
Pendleton	42	44.2%	30	31.6%	0	0.0%	23	24.2%	0	0.0%	0	95
Pleasants	51	54.3%	22	23.4%	0	0.0%	20	21.3%	1	1.1%	0	94
Pocahontas	56	58.9%	34	35.8%	1	1.1%	4	4.2%	0	0.0%	0	95
Preston	222	60.5%	122	33.2%	9	2.5%	9	2.5%	5	1.4%	0	367
Putnam	369	59.0%	202	32.3%	10	1.6%	10	1.6%	34	5.4%	0	625
Raleigh	640	61.5%	307	29.5%	19	1.8%	20	1.9%	55	5.3%	8	1,049
Randolph	209	57.1%	137	37.4%	14	3.8%	4	1.1%	2	0.5%	0	366
Ritchie	60	55.6%	35	32.4%	0	0.0%	13	12.0%	0	0.0%	0	108
Roane	125	57.9%	84	38.9%	6	2.8%	1	0.5%	0	0.0%	0	216
Summers	139	75.1%	35	18.9%	4	2.2%	5	2.7%	2	1.1%	0	185
Taylor	143	70.4%	48	23.6%	7	3.4%	4	2.0%	1	0.5%	0	203
Tucker	66	69.5%	26	27.4%	2	2.1%	0	0.0%	1	1.1%	0	95
Tyler	72	58.5%	44	35.8%	2	1.6%	5	4.1%	0	0.0%	0	123
Upshur	184	59.9%	108	35.2%	8	2.6%	6	2.0%	1	0.3%	1	308
Wayne	382	75.5%	100	19.8%	5	1.0%	15	3.0%	4	0.8%	0	506
Webster	80	68.4%	32	27.4%	1	0.9%	3	2.6%	1	0.9%	0	117
Wetzel	122	62.2%	62	31.6%	2	1.0%	10	5.1%	0	0.0%	0	196
Wirt	27	48.2%	21	37.5%	1	1.8%	4	7.1%	3	5.4%	0	56
Wood	547	49.4%	345	31.2%	24	2.2%	140	12.6%	51	4.6%	1	1,108
Wyoming	238	76.0%	61	19.5%	0	0.0%	6	1.9%	8	2.6%	0	313
Total	12,850	56.6%	7,571	33.4%	399	1.8%	1,286	5.7%	590	2.6%	25	22,721

West Virginia Bureau for Public Health

\*Percentage calculated excluding unknown disposition.

Health Statistics Center, Vital Statistics System, 2018

Method of Disposition by County of Occurrence  
West Virginia Deaths, 2016  
Table 60 (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	88	71.5%	35	28.5%	0	0.0%	0	0.0%	0	0.0%	0	123
Berkeley	424	44.1%	508	52.8%	21	2.2%	5	0.5%	4	0.4%	0	962
Boone	123	69.5%	47	26.6%	2	1.1%	0	0.0%	5	2.8%	0	177
Braxton	75	61.0%	46	37.4%	1	0.8%	0	0.0%	1	0.8%	0	123
Brooke	211	53.1%	165	41.6%	2	0.5%	4	1.0%	15	3.8%	0	397
Cabell	1,372	64.2%	666	31.2%	24	1.1%	9	0.4%	66	3.1%	0	2,137
Calhoun	35	66.0%	16	30.2%	2	3.8%	0	0.0%	0	0.0%	0	53
Clay	45	70.3%	19	29.7%	0	0.0%	0	0.0%	0	0.0%	0	64
Doddridge	18	54.5%	14	42.4%	1	3.0%	0	0.0%	0	0.0%	0	33
Fayette	231	61.9%	118	31.6%	4	1.1%	2	0.5%	18	4.8%	1	374
Gilmer	39	60.0%	24	36.9%	1	1.5%	1	1.5%	0	0.0%	0	65
Grant	109	72.2%	38	25.2%	4	2.6%	0	0.0%	0	0.0%	0	151
Greenbrier	272	61.7%	149	33.8%	13	2.9%	0	0.0%	7	1.6%	0	441
Hampshire	87	49.2%	85	48.0%	5	2.8%	0	0.0%	0	0.0%	0	177
Hancock	106	56.4%	69	36.7%	0	0.0%	1	0.5%	12	6.4%	0	188
Hardy	48	65.8%	22	30.1%	3	4.1%	0	0.0%	0	0.0%	0	73
Harrison	573	59.6%	347	36.1%	19	2.0%	4	0.4%	18	1.9%	0	961
Jackson	140	66.7%	67	31.9%	2	1.0%	0	0.0%	1	0.5%	1	211
Jefferson	178	35.8%	280	56.3%	27	5.4%	7	1.4%	5	1.0%	0	497
Kanawha	1,963	57.3%	1,231	35.9%	78	2.3%	6	0.2%	149	4.3%	0	3,427
Lewis	121	65.4%	62	33.5%	2	1.1%	0	0.0%	0	0.0%	0	185
Lincoln	102	81.6%	23	18.4%	0	0.0%	0	0.0%	0	0.0%	0	125
Logan	299	70.0%	111	26.0%	3	0.7%	0	0.0%	14	3.3%	0	427
McDowell	163	73.4%	52	23.4%	0	0.0%	1	0.5%	6	2.7%	0	222
Marion	309	60.1%	182	35.4%	11	2.1%	1	0.2%	11	2.1%	0	514
Marshall	123	59.1%	79	38.0%	1	0.5%	1	0.5%	4	1.9%	0	208
Mason	171	70.1%	70	28.7%	0	0.0%	1	0.4%	2	0.8%	0	244
Mercer	509	61.3%	280	33.7%	6	0.7%	1	0.1%	34	4.1%	0	830
Mineral	120	53.6%	97	43.3%	3	1.3%	0	0.0%	4	1.8%	0	224
Mingo	138	75.8%	36	19.8%	0	0.0%	0	0.0%	8	4.4%	2	184
Monongalia	935	57.5%	630	38.7%	36	2.2%	6	0.4%	20	1.2%	0	1,627
Monroe	61	67.8%	26	28.9%	1	1.1%	0	0.0%	2	2.2%	0	90
Morgan	61	41.2%	81	54.7%	4	2.7%	2	1.4%	0	0.0%	0	148
Nicholas	152	70.7%	59	27.4%	2	0.9%	0	0.0%	2	0.9%	0	215
Ohio	552	51.1%	475	43.9%	15	1.4%	3	0.3%	36	3.3%	0	1,081
Pendleton	33	66.0%	17	34.0%	0	0.0%	0	0.0%	0	0.0%	0	50
Pleasants	45	66.2%	20	29.4%	2	2.9%	0	0.0%	1	1.5%	0	68
Pocahontas	44	61.1%	28	38.9%	0	0.0%	0	0.0%	0	0.0%	0	72
Preston	158	63.5%	79	31.7%	8	3.2%	0	0.0%	4	1.6%	0	249
Putnam	250	61.9%	121	30.0%	8	2.0%	0	0.0%	25	6.2%	0	404
Raleigh	830	64.0%	366	28.2%	29	2.2%	1	0.1%	71	5.5%	3	1,300
Randolph	216	60.8%	127	35.8%	10	2.8%	0	0.0%	2	0.6%	0	355
Ritchie	32	60.4%	21	39.6%	0	0.0%	0	0.0%	0	0.0%	0	53
Roane	81	58.7%	54	39.1%	3	2.2%	0	0.0%	0	0.0%	0	138
Summers	110	77.5%	28	19.7%	3	2.1%	0	0.0%	1	0.7%	0	142
Taylor	116	72.5%	39	24.4%	4	2.5%	0	0.0%	1	0.6%	1	161
Tucker	61	74.4%	20	24.4%	1	1.2%	0	0.0%	0	0.0%	0	82
Tyler	49	59.8%	30	36.6%	3	3.7%	0	0.0%	0	0.0%	0	82
Upshur	140	65.7%	68	31.9%	5	2.3%	0	0.0%	0	0.0%	1	214
Wayne	203	75.7%	63	23.5%	1	0.4%	0	0.0%	1	0.4%	0	268
Webster	46	71.9%	17	26.6%	0	0.0%	0	0.0%	1	1.6%	0	64
Wetzel	90	65.2%	47	34.1%	1	0.7%	0	0.0%	0	0.0%	0	138
Wirt	12	50.0%	10	41.7%	0	0.0%	0	0.0%	2	8.3%	0	24
Wood	600	57.3%	369	35.2%	24	2.3%	3	0.3%	52	5.0%	1	1,049
Wyoming	96	73.8%	30	23.1%	0	0.0%	0	0.0%	4	3.1%	0	130
<b>Total</b>	<b>13,165</b>	<b>59.9%</b>	<b>7,763</b>	<b>35.3%</b>	<b>395</b>	<b>1.8%</b>	<b>59</b>	<b>0.3%</b>	<b>609</b>	<b>2.8%</b>	<b>10</b>	<b>22,001</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*Percentage calculated excluding unknown disposition.

Number of Deaths by County of Residence  
West Virginia, 2012-2016  
Table 61

County	2012	2013	2014	2015	2016	County	2012	2013	2014	2015	2016
Barbour	208	197	203	198	192	Monongalia	652	663	656	709	729
Berkeley	888	918	992	984	1,050	Monroe	165	182	183	177	160
Boone	280	311	352	342	299	Morgan	189	226	205	206	242
Braxton	194	174	186	177	179	Nicholas	355	327	311	322	336
Brooke	315	284	342	342	391	Ohio	611	560	580	577	576
Cabell	1,057	1,234	1,280	1,228	1,267	Pendleton	103	95	87	93	95
Calhoun	103	93	85	95	79	Pleasants	96	72	95	90	94
Clay	111	113	112	109	123	Pocahontas	106	116	106	107	95
Doddridge	83	78	90	86	85	Preston	356	365	351	381	367
Fayette	638	648	672	649	660	Putnam	583	548	578	568	625
Gilmer	83	82	67	84	90	Raleigh	1,071	964	968	1,088	1,049
Grant	126	131	135	136	133	Randolph	355	389	345	374	366
Greenbrier	467	443	457	496	478	Ritchie	123	100	132	126	108
Hampshire	250	271	238	279	254	Roane	191	199	196	191	216
Hancock	415	382	425	394	403	Summers	171	207	190	207	185
Hardy	129	128	158	169	170	Taylor	179	196	174	214	203
Harrison	830	859	843	848	851	Tucker	88	99	76	85	95
Jackson	343	328	341	364	348	Tyler	116	110	117	114	123
Jefferson	447	395	477	444	488	Upshur	262	247	275	256	308
Kanawha	2,398	2,489	2,433	2,523	2,520	Wayne	464	482	521	524	506
Lewis	235	210	229	241	233	Webster	128	131	114	133	117
Lincoln	243	258	260	259	276	Wetzel	223	221	218	210	196
Logan	513	541	515	572	539	Wirt	50	57	72	66	56
McDowell	396	369	305	348	337	Wood	976	1,045	1,097	1,068	1,108
Marion	653	628	648	714	708	Wyoming	352	310	321	343	313
Marshall	432	414	411	403	432						
Mason	303	337	359	366	343						
Mercer	907	914	900	887	846	Total	21,653	21,846	22,164	22,643	22,721
Mineral	293	338	279	344	339						
Mingo	348	368	402	333	340						

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Age at Death by County of Residence  
West Virginia, 2016  
Table 62

County	Total	Age in Years													Average Age at Death
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Barbour	192	2	1	0	0	1	2	0	6	16	21	49	40	54	72.3
Berkeley	1,050	6	2	1	0	1	16	43	49	99	170	229	236	198	68.0
Boone	299	2	0	0	0	0	2	6	11	24	61	60	67	66	70.1
Braxton	179	2	0	0	0	0	0	5	8	14	21	38	50	41	71.1
Brooke	391	1	0	0	0	0	3	5	6	22	45	73	115	121	75.4
Cabell	1,267	16	4	2	0	2	16	38	59	105	189	220	264	352	70.0
Calhoun	79	0	0	0	1	0	0	3	2	2	9	13	24	25	75.1
Clay	123	0	0	1	0	0	0	2	1	13	19	29	32	26	72.2
Doddridge	85	0	0	0	0	1	0	2	3	8	13	16	28	14	69.9
Fayette	660	7	0	0	0	1	2	15	28	50	113	143	146	155	70.4
Gilmer	90	0	0	0	1	0	2	1	3	7	14	19	22	21	71.1
Grant	133	1	1	0	0	1	1	1	4	4	15	33	42	30	73.1
Greenbrier	478	3	1	0	1	1	1	6	9	35	53	112	124	132	73.6
Hampshire	254	1	0	0	0	0	3	7	11	24	29	53	67	59	70.6
Hancock	403	0	0	0	0	1	4	11	16	20	59	74	106	112	73.0
Hardy	170	1	0	0	0	0	2	3	3	12	19	28	42	60	74.4
Harrison	851	5	0	1	0	2	5	18	32	53	106	159	208	262	73.2
Jackson	348	2	1	0	0	2	5	3	8	21	43	76	98	89	72.9
Jefferson	488	1	1	2	0	3	3	16	16	32	72	122	108	112	70.2
Kanawha	2,520	14	4	1	0	5	20	60	91	167	389	476	598	695	71.9
Lewis	233	1	1	0	0	0	1	2	9	15	38	53	56	57	71.7
Lincoln	276	1	0	1	0	3	2	7	13	32	35	57	71	54	68.9
Logan	539	3	0	1	0	3	1	9	19	45	93	140	104	121	70.1
McDowell	337	2	1	1	0	1	1	7	17	32	64	73	83	55	68.1
Marion	708	4	0	0	0	2	1	9	23	35	92	153	170	219	74.3
Marshall	432	3	0	0	0	1	2	5	10	19	66	81	108	137	74.5
Mason	343	1	0	0	1	2	2	4	14	23	67	66	77	86	71.3
Mercer	846	2	0	1	0	5	6	19	40	67	127	177	188	214	71.0
Mineral	339	2	1	0	0	1	0	8	12	21	40	63	97	94	73.5
Mingo	340	1	2	0	0	2	0	13	16	33	72	77	72	52	66.8
Monongalia	729	10	2	1	2	2	8	16	24	44	110	118	154	238	72.0
Monroe	160	0	0	0	0	0	2	2	5	7	25	30	38	51	74.1
Morgan	242	2	2	0	0	1	3	5	4	17	30	42	68	68	72.4
Nicholas	336	2	0	0	0	2	1	7	12	29	55	60	73	95	71.6
Ohio	576	3	1	4	0	2	0	6	12	25	63	112	138	210	75.7
Pendleton	95	0	0	0	0	2	2	2	0	4	12	11	25	37	74.9
Pleasants	94	0	0	0	0	0	2	2	1	6	9	21	24	29	74.1
Pocahontas	95	0	0	0	0	0	0	0	1	7	14	21	25	27	74.9
Preston	367	5	2	0	0	0	1	8	12	21	45	86	78	109	72.2
Putnam	625	1	1	1	0	4	3	14	24	38	81	129	168	161	72.2
Raleigh	1,049	6	0	1	3	4	6	21	42	78	167	222	243	256	70.7
Randolph	366	2	0	0	0	0	1	5	10	23	42	87	95	101	73.7
Ritchie	108	0	0	0	0	2	1	3	2	4	16	26	31	23	71.5
Roane	216	2	1	0	0	0	2	0	9	10	34	51	62	45	71.5
Summers	185	0	0	0	0	0	1	2	8	15	20	40	41	58	73.7
Taylor	203	5	0	0	0	0	0	1	5	11	30	50	38	63	72.9
Tucker	95	1	0	0	0	0	0	2	2	7	12	12	24	35	74.6
Tyler	123	1	0	0	0	0	2	2	5	7	23	27	31	25	70.1
Upshur	308	1	1	0	0	2	2	1	5	19	41	70	84	82	73.8
Wayne	506	4	0	0	0	0	4	14	22	38	66	98	124	136	71.4
Webster	117	1	0	0	0	1	1	1	4	7	17	30	25	30	71.9
Wetzel	196	0	0	0	0	0	3	2	7	11	31	37	54	51	72.7
Wirt	56	0	0	0	1	0	0	1	0	5	9	15	16	9	70.3
Wood	1,108	8	2	0	1	3	4	28	41	76	143	220	270	312	72.3
Wyoming	313	1	1	0	1	0	0	5	13	26	54	79	76	57	69.9
Total	22,721	139	33	19	12	66	152	478	809	1,585	3,303	4,656	5,448	6,021	71.7

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Place Death Occurred by County of Residence  
West Virginia, 2016  
Table 63

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	Doctor's Office	Unknown	
Barbour	65	8	7	0	23	11	70	3	5	0	0	192
Berkeley	262	109	0	0	142	11	355	127	44	0	0	1,050
Boone	110	10	0	0	25	1	99	42	12	0	0	299
Braxton	62	7	2	0	21	1	68	4	14	0	0	179
Brooke	83	75	1	0	66	11	95	54	6	0	0	391
Cabell	403	31	1	0	156	53	359	222	42	0	0	1,267
Calhoun	17	4	0	13	9	0	30	4	2	0	0	79
Clay	32	5	1	0	13	0	44	17	11	0	0	123
Doddridge	32	6	0	0	9	0	31	2	5	0	0	85
Fayette	215	21	8	1	77	2	154	149	33	0	0	660
Gilmer	30	0	0	3	13	0	35	1	8	0	0	90
Grant	32	22	0	0	31	0	42	2	4	0	0	133
Greenbrier	142	45	4	0	78	7	103	79	19	0	1	478
Hampshire	46	59	1	0	27	2	89	11	19	0	0	254
Hancock	95	91	3	0	58	20	103	20	13	0	0	403
Hardy	34	29	0	0	46	0	48	7	6	0	0	170
Harrison	303	24	3	0	159	15	315	7	25	0	0	851
Jackson	135	17	0	0	63	2	76	37	18	0	0	348
Jefferson	97	79	0	0	68	1	151	73	19	0	0	488
Kanawha	710	41	1	0	287	54	683	640	104	0	0	2,520
Lewis	81	5	2	0	39	4	91	2	9	0	0	233
Lincoln	97	7	0	0	21	3	104	30	14	0	0	276
Logan	286	26	1	0	52	0	137	17	20	0	0	539
McDowell	114	44	2	0	38	1	109	15	14	0	0	337
Marion	266	22	0	0	138	24	243	1	14	0	0	708
Marshall	145	40	3	0	84	0	97	51	12	0	0	432
Mason	100	28	2	0	61	0	113	26	13	0	0	343
Mercer	309	74	17	0	119	28	246	23	30	0	0	846
Mineral	52	86	1	0	60	7	120	7	6	0	0	339
Mingo	94	92	6	0	17	1	107	10	13	0	0	340
Monongalia	265	23	0	0	125	15	264	10	27	0	0	729
Monroe	21	30	0	0	26	3	58	17	5	0	0	160
Morgan	27	59	0	0	43	0	83	17	13	0	0	242
Nicholas	118	8	6	0	37	0	106	45	16	0	0	336
Ohio	213	11	2	0	123	2	146	71	7	1	0	576
Pendleton	11	25	1	0	17	0	32	5	4	0	0	95
Pleasants	15	18	0	0	27	3	25	1	5	0	0	94
Pocahontas	28	7	2	0	15	2	33	4	4	0	0	95
Preston	117	15	1	0	68	5	136	4	21	0	0	367
Putnam	191	13	2	0	53	26	170	138	32	0	0	625
Raleigh	335	25	19	0	76	14	262	279	39	0	0	1,049
Randolph	111	9	8	0	81	22	118	4	13	0	0	366
Ritchie	36	11	0	0	19	0	37	0	5	0	0	108
Roane	78	4	1	0	22	1	77	27	6	0	0	216
Summers	44	5	1	0	35	14	58	23	5	0	0	185
Taylor	87	7	0	1	25	6	69	0	8	0	0	203
Tucker	14	6	0	1	25	0	47	0	2	0	0	95
Tyler	49	7	0	0	14	2	41	3	7	0	0	123
Upshur	103	7	2	0	49	8	120	2	17	0	0	308
Wayne	145	40	0	0	46	13	168	68	26	0	0	506
Webster	42	2	2	0	17	0	41	7	6	0	0	117
Wetzel	72	11	1	0	31	0	65	7	9	0	0	196
Wirt	22	4	0	0	5	0	19	0	6	0	0	56
Wood	353	131	2	0	250	7	320	9	36	0	0	1,108
Wyoming	96	10	3	0	32	1	100	54	17	0	0	313
Total	7,042	1,595	119	19	3,261	403	6,912	2,478	890	1	1	22,721

West Virginia Bureau for Public Health

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

Health Statistics Center, Vital Statistics System, 2018

Firearm Injury Deaths by Type of Injury and County  
West Virginia Residents, 2016

Table 64

County	Unintentional	Intentional			Undetermined	Total
		Suicide	Assault	Legal Intervention		
Barbour	0	1	0	0	0	1
Berkeley	0	18	3	0	0	21
Boone	0	3	2	0	0	5
Braxton	0	1	1	0	0	2
Brooke	0	1	0	0	0	1
Cabell	1	13	7	0	0	21
Calhoun	0	0	0	0	0	0
Clay	0	0	0	0	0	0
Doddridge	0	2	0	0	0	2
Fayette	0	7	5	0	1	13
Gilmer	0	0	2	0	0	2
Grant	0	2	0	0	0	2
Greenbrier	2	5	1	0	0	8
Hampshire	0	2	0	1	0	3
Hancock	0	3	0	0	0	3
Hardy	0	1	1	0	0	2
Harrison	0	5	0	2	0	7
Jackson	0	3	1	0	0	4
Jefferson	0	5	4	0	0	9
Kanawha	0	28	13	1	0	42
Lewis	0	4	0	0	0	4
Lincoln	0	4	0	0	0	4
Logan	0	7	4	0	0	11
McDowell	0	5	5	1	0	11
Marion	0	9	3	0	0	12
Marshall	0	1	0	0	0	1
Mason	0	2	0	0	0	2
Mercer	0	9	7	1	0	17
Mineral	0	7	0	0	0	7
Mingo	0	1	1	0	0	2
Monongalia	0	7	3	1	0	11
Monroe	0	4	0	0	0	4
Morgan	0	5	3	0	0	8
Nicholas	0	3	1	0	1	5
Ohio	0	6	0	0	0	6
Pendleton	0	1	0	0	0	1
Pleasants	0	2	0	0	0	2
Pocahontas	0	1	0	0	0	1
Preston	0	2	0	0	0	2
Putnam	0	8	0	1	0	9
Raleigh	0	15	7	0	0	22
Randolph	0	4	0	1	0	5
Ritchie	0	2	0	1	0	3
Roane	0	5	1	1	0	7
Summers	0	2	0	0	0	2
Taylor	0	1	0	0	0	1
Tucker	0	2	1	0	0	3
Tyler	0	2	0	0	0	2
Upshur	0	2	0	0	0	2
Wayne	0	4	0	0	0	4
Webster	0	1	0	0	0	1
Wetzel	0	1	0	0	0	1
Wirt	0	1	0	0	0	1
Wood	0	6	3	0	0	9
Wyoming	0	4	0	0	0	4
<b>Total</b>	<b>3</b>	<b>240</b>	<b>79</b>	<b>11</b>	<b>2</b>	<b>335</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



Number and Rate of Resident Infant Deaths by County  
West Virginia, 2012-2016  
Table 65

County	2012		2013		2014		2015		2016	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Barbour	0	0.0	1	6.0	0	0.0	1	6.1	2	11.7
Berkeley	11	7.8	9	6.5	14	10.3	7	5.1	6	4.3
Boone	0	0.0	0	0.0	1	4.2	4	17.2	2	8.3
Braxton	0	0.0	1	6.5	1	6.4	0	0.0	2	17.4
Brooke	2	10.8	2	11.1	0	0.0	2	9.8	1	5.3
Cabell	15	12.1	11	9.5	6	5.4	7	6.4	16	15.4
Calhoun	2	29.0	2	24.4	0	0.0	0	0.0	0	0.0
Clay	1	8.5	2	19.4	1	10.6	0	0.0	0	0.0
Doddridge	0	0.0	0	0.0	2	30.3	0	0.0	0	0.0
Fayette	1	1.9	4	6.9	2	3.9	2	4.0	7	15.5
Gilmer	1	15.9	1	13.7	1	15.4	0	0.0	0	0.0
Grant	0	0.0	3	24.6	0	0.0	1	7.5	1	8.8
Greenbrier	1	2.4	4	10.9	2	6.0	2	5.3	3	8.7
Hampshire	1	4.5	3	12.9	2	8.5	2	8.2	1	5.3
Hancock	3	10.0	2	7.8	3	10.3	1	3.7	0	0.0
Hardy	2	13.6	1	7.2	0	0.0	1	6.7	1	5.9
Harrison	5	6.3	5	6.1	8	10.1	4	5.0	5	6.8
Jackson	3	9.2	0	0.0	1	3.1	6	17.8	2	6.5
Jefferson	1	1.7	3	4.8	2	3.4	3	5.3	1	1.9
Kanawha	19	8.6	13	5.8	11	5.1	4	1.9	14	7.1
Lewis	6	31.3	3	14.2	3	15.0	2	9.6	1	5.3
Lincoln	1	3.7	0	0.0	2	7.4	1	4.2	1	4.1
Logan	3	6.9	3	6.9	1	2.6	4	11.3	3	8.4
McDowell	3	10.5	4	14.7	2	8.9	3	14.2	2	9.0
Marion	3	4.8	6	8.6	4	6.3	5	8.0	4	6.1
Marshall	0	0.0	1	3.1	1	3.0	1	3.2	3	9.8
Mason	1	3.5	1	3.6	1	3.6	2	7.1	1	4.1
Mercer	6	7.6	5	6.8	5	7.1	4	5.4	2	3.0
Mineral	0	0.0	3	9.9	4	13.6	1	3.7	2	7.2
Mingo	1	2.8	6	19.0	5	14.4	1	3.1	1	3.7
Monongalia	10	9.8	9	8.3	9	7.5	8	7.3	10	8.9
Monroe	0	0.0	0	0.0	0	0.0	2	15.4	0	0.0
Morgan	0	0.0	0	0.0	2	13.0	1	7.9	2	13.8
Nicholas	5	16.1	3	10.5	1	3.8	5	18.2	2	7.5
Ohio	4	7.8	3	6.5	0	0.0	5	10.6	3	7.2
Pendleton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pleasants	1	13.3	2	23.8	0	0.0	1	11.6	0	0.0
Pocahontas	1	12.0	2	20.6	1	13.5	3	36.1	0	0.0
Preston	6	18.0	2	5.5	1	2.8	5	15.5	5	14.8
Putnam	4	6.9	7	11.1	3	4.7	4	6.7	1	1.8
Raleigh	3	3.0	7	7.6	10	11.3	11	13.3	6	7.2
Randolph	3	9.0	2	6.5	4	12.0	4	14.0	2	7.0
Ritchie	1	11.0	2	20.8	3	29.1	0	0.0	0	0.0
Roane	1	5.8	1	6.7	0	0.0	0	0.0	2	15.4
Summers	0	0.0	1	10.3	3	30.6	0	0.0	0	0.0
Taylor	2	10.6	2	11.6	2	12.5	2	10.4	5	29.1
Tucker	0	0.0	0	0.0	2	29.4	1	15.9	1	13.5
Tyler	2	20.6	0	0.0	0	0.0	1	11.9	1	10.5
Upshur	3	10.3	1	3.6	2	7.2	3	12.1	1	3.4
Wayne	4	9.3	0	0.0	2	4.5	2	4.8	4	9.3
Webster	0	0.0	0	0.0	0	0.0	1	12.8	1	11.4
Wetzel	1	6.1	3	17.2	0	0.0	2	11.2	0	0.0
Wirt	0	0.0	1	16.1	1	17.2	0	0.0	0	0.0
Wood	6	6.7	9	8.7	10	9.8	6	6.1	8	8.5
Wyoming	3	12.8	1	4.6	3	12.8	1	4.7	1	5.1
Total	152	7.3	157	7.5	144	7.1	139	7.0	139	7.3

West Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*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, 2012-2016  
Table 66

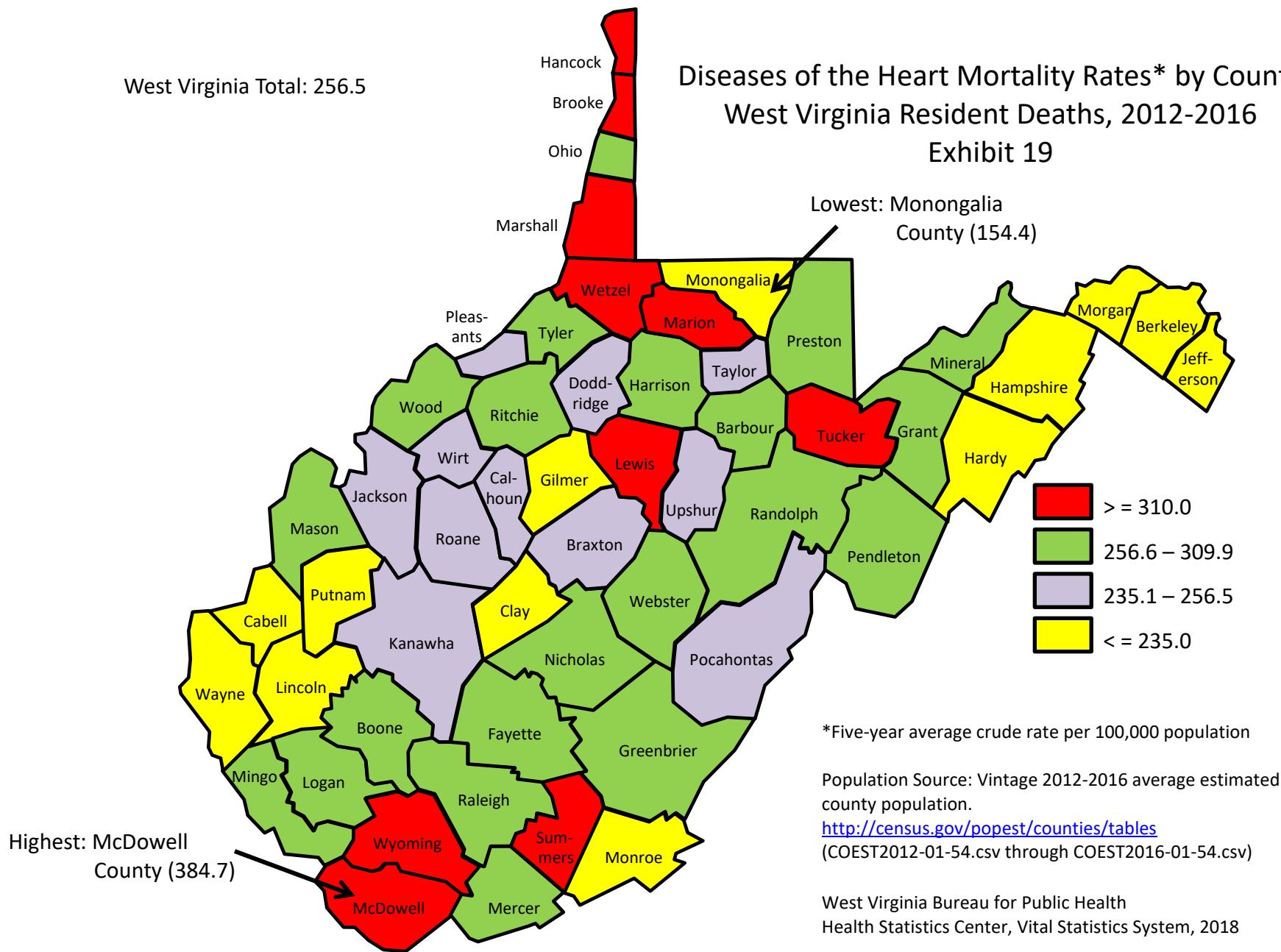
County	2012**		2013**		2014**		2015		2016	
	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*
Barbour	0	0.0	1	6.0	2	11.6	0	0.0	0	0.0
Berkeley	5	3.6	4	2.9	4	2.9	10	7.2	8	5.7
Boone	0	0.0	2	7.2	0	0.0	0	0.0	3	12.4
Braxton	0	0.0	0	0.0	0	0.0	1	5.7	1	8.7
Brooke	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cabell	2	1.6	5	4.3	3	2.7	3	2.8	9	8.7
Calhoun	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Clay	0	0.0	0	0.0	0	0.0	1	8.8	0	0.0
Doddridge	0	0.0	0	0.0	1	15.2	0	0.0	1	14.7
Fayette	4	7.5	7	12.1	4	7.9	2	4.0	3	6.6
Gilmer	0	0.0	0	0.0	0	0.0	0	0.0	1	14.7
Grant	0	0.0	1	8.2	0	0.0	0	0.0	0	0.0
Greenbrier	0	0.0	2	5.4	2	6.0	0	0.0	1	2.9
Hampshire	0	0.0	0	0.0	0	0.0	1	4.1	0	0.0
Hancock	0	0.0	0	0.0	2	6.9	0	0.0	2	9.2
Hardy	0	0.0	0	0.0	2	13.5	3	20.1	1	5.9
Harrison	3	3.8	5	6.1	4	5.0	4	5.0	5	6.8
Jackson	1	3.1	1	3.0	2	6.2	2	5.9	0	0.0
Jefferson	4	6.9	1	1.6	0	0.0	3	5.3	3	5.6
Kanawha	9	4.1	9	4.0	5	2.3	10	4.9	13	6.6
Lewis	1	5.2	0	0.0	0	0.0	3	14.4	0	0.0
Lincoln	1	3.7	0	0.0	1	3.7	0	0.0	0	0.0
Logan	4	9.2	1	2.3	2	5.3	1	2.8	0	0.0
McDowell	2	7.0	3	11.0	2	8.9	0	0.0	0	0.0
Marion	6	9.5	5	7.2	3	4.8	1	1.6	0	0.0
Marshall	1	2.8	0	0.0	3	8.9	2	6.3	2	6.5
Mason	2	7.0	1	3.6	2	7.1	0	0.0	0	0.0
Mercer	2	2.5	4	5.4	2	2.8	5	6.8	5	7.6
Mineral	1	3.3	1	3.3	0	0.0	1	3.7	2	7.2
Mingo	1	2.8	1	3.2	2	5.8	3	9.4	1	3.7
Monongalia	4	3.9	4	3.7	5	4.2	2	1.8	4	3.6
Monroe	0	0.0	1	8.3	2	15.9	0	0.0	1	7.6
Morgan	0	0.0	0	0.0	1	6.5	1	7.9	0	0.0
Nicholas	0	0.0	1	3.5	0	0.0	4	14.6	1	3.7
Ohio	1	2.0	0	0.0	0	0.0	2	4.3	3	7.2
Pendleton	0	0.0	0	0.0	0	0.0	1	16.1	1	13.3
Pleasants	1	13.3	1	11.9	0	0.0	0	0.0	0	0.0
Pocahontas	0	0.0	1	10.3	3	40.5	1	12.0	1	11.0
Preston	2	6.0	1	2.8	1	2.8	1	3.1	4	11.9
Putnam	1	1.7	1	1.6	1	1.6	2	3.3	1	1.8
Raleigh	7	7.0	4	4.4	7	7.9	4	4.9	5	6.0
Randolph	0	0.0	3	9.7	2	6.0	0	0.0	0	0.0
Ritchie	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Roane	0	0.0	2	13.4	0	0.0	0	0.0	0	0.0
Summers	0	0.0	1	10.3	4	40.8	1	8.3	0	0.0
Taylor	3	15.9	0	0.0	0	0.0	0	0.0	1	5.8
Tucker	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	0	0.0	2	21.3	0	0.0	0	0.0	1	10.5
Upshur	2	6.9	1	3.6	5	18.1	1	4.0	1	3.4
Wayne	0	0.0	0	0.0	0	0.0	2	4.8	2	4.7
Webster	0	0.0	1	10.2	2	21.3	0	0.0	0	0.0
Wetzel	2	12.1	1	5.7	0	0.0	0	0.0	1	5.9
Wirt	0	0.0	1	16.1	0	0.0	0	0.0	1	18.2
Wood	4	4.5	3	2.9	3	2.9	5	5.1	5	5.3
Wyoming	5	21.3	1	4.6	3	12.8	3	14.2	2	10.2
Total	81	3.9	84	4.0	87	4.3	86	4.3	96	5.0

West Virginia Bureau for Public Health Health Statistics Center, Vital Statistics System, 2018 \*Fetal death ratio = (fetal deaths/live births) X 1,000 in each respective county. \*\*Lower numbers than previously reported. See summary pages 80-81 for more details.



West Virginia Total: 256.5

### Diseases of the Heart Mortality Rates\* by County West Virginia Resident Deaths, 2012-2016 Exhibit 19



Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67

Selected Causes of Death	Number and Rate by County							
	Barbour		Berkeley		Boone		Braxton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	8	5.7	3	12.4	1	8.7
Total Deaths, All Causes	192	11.4	1,050	9.2	299	13.1	179	12.4
--Deaths Under One Year	2	11.7	6	4.3	2	8.3	2	17.4
--Deaths Under 28 Days	1	5.8	6	4.3	1	4.1	2	17.4
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	11.9	14	12.3	4	17.5	3	20.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	44	261.4	245	215.8	64	280.5	37	255.7
--of Digestive Organs	11	65.4	62	54.6	10	43.8	9	62.2
----Colon	3	17.8	21	18.5	3	13.1	4	27.6
----Pancreas	3	17.8	20	17.6	3	13.1	3	20.7
--of Respiratory and Intrathoracic Organs	18	106.9	81	71.3	24	105.2	10	69.1
----Trachea, Bronchus and Lung	17	101.0	77	67.8	24	105.2	9	62.2
--of Breast	1	5.9	16	14.1	6	26.3	1	6.9
--of Genitourinary Organs	6	35.6	33	29.1	5	21.9	9	62.2
----Cervix Uteri	0	0.0	2	1.8	0	0.0	0	0.0
----Ovary	1	5.9	3	2.6	1	4.4	2	13.8
----Prostate	3	17.8	12	10.6	2	8.8	1	6.9
----Bladder	1	5.9	6	5.3	1	4.4	1	6.9
--All Other (Malignant Neoplasms)	8	47.5	53	46.7	19	83.3	8	55.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	11.9	8	7.0	0	0.0	0	0.0
Diabetes Mellitus	11	65.4	46	40.5	18	78.9	12	82.9
Dementia	3	17.8	38	33.5	9	39.4	8	55.3
Alzheimer's Disease	9	53.5	21	18.5	9	39.4	5	34.6
Major Cardiovascular Disease	63	374.3	233	205.2	89	390.1	43	297.1
--Diseases of the Heart	43	255.5	175	154.2	66	289.3	29	200.4
----Ischemic Heart Disease	22	130.7	114	100.4	44	192.8	22	152.0
--Essential Hypertension and Hypertensive Renal Disease	4	23.8	9	7.9	8	35.1	2	13.8
--Cerebrovascular Diseases (Stroke)	13	77.2	41	36.1	13	57.0	8	55.3
--Arteriosclerosis	2	11.9	0	0.0	0	0.0	2	13.8
--Other Diseases of Arteries, Arterioles and Capillaries	1	5.9	8	7.0	2	8.8	2	13.8
Influenza and Pneumonia	3	17.8	12	10.6	6	26.3	4	27.6
--Influenza	0	0.0	1	0.9	1	4.4	0	0.0
--Pneumonia	3	17.8	11	9.7	5	21.9	4	27.6
Chronic Lower Respiratory Diseases	10	59.4	58	51.1	21	92.0	18	124.4
--Bronchitis, Emphysema and Asthma	0	0.0	1	0.9	1	4.4	1	6.9
Lung Diseases due to External Agents	2	11.9	3	2.6	3	13.1	2	13.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	2	8.8	0	0.0
Chronic Liver Disease and Cirrhosis	2	11.9	19	16.7	7	30.7	2	13.8
Nephritis, Nephrotic Syndrome and Nephrosis	1	5.9	28	24.7	3	13.1	3	20.7
Congenital Malformations	0	0.0	8	7.0	1	4.4	2	13.8
Ill-Defined and Unknown Causes of Death	4	23.8	16	14.1	2	8.8	0	0.0
Accidents, All Forms	14	83.2	118	103.9	17	74.5	13	89.8
--Motor Vehicle	6	35.6	17	15.0	1	4.4	8	55.3
--Falls	2	11.9	15	13.2	4	17.5	1	6.9
--Drownings	1	5.9	0	0.0	2	8.8	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	3	17.8	78	68.7	9	39.4	2	13.8
--Other Accidents	2	11.9	8	7.0	1	4.4	2	13.8
Intentional Self-Harm (Suicide)	2	11.9	25	22.0	4	17.5	2	13.8
Assault (Homicide)	0	0.0	4	3.5	2	8.8	1	6.9
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	10	8.8	1	4.4	0	0.0
All Other Causes (Residual)	20	118.8	144	126.8	39	170.9	24	165.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (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	0	0.0	9	8.7	0	0.0	0	0.0
Total Deaths, All Causes	391	17.0	1,267	13.2	79	10.8	123	13.9
--Deaths Under One Year	1	5.3	16	15.4	0	0.0	0	0.0
--Deaths Under 28 Days	0	0.0	12	11.5	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	8	34.8	9	9.4	1	13.6	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	1	1.0	0	0.0	0	0.0
Malignant Neoplasms	79	343.8	215	224.0	23	313.5	33	372.5
--of Digestive Organs	18	78.3	59	61.5	8	109.1	9	101.6
----Colon	5	21.8	18	18.8	2	27.3	3	33.9
----Pancreas	3	13.1	15	15.6	0	0.0	3	33.9
--of Respiratory and Intrathoracic Organs	25	108.8	56	58.3	5	68.2	10	112.9
----Trachea, Bronchus and Lung	25	108.8	55	57.3	4	54.5	10	112.9
--of Breast	10	43.5	9	9.4	2	27.3	3	33.9
--of Genitourinary Organs	9	39.2	38	39.6	2	27.3	5	56.4
----Cervix Uteri	1	4.4	3	3.1	0	0.0	0	0.0
----Ovary	0	0.0	7	7.3	1	13.6	0	0.0
----Prostate	0	0.0	8	8.3	1	13.6	3	33.9
----Bladder	0	0.0	8	8.3	0	0.0	2	22.6
--All Other (Malignant Neoplasms)	17	74.0	53	55.2	6	81.8	6	67.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	8.7	9	9.4	2	27.3	0	0.0
Diabetes Mellitus	6	26.1	50	52.1	0	0.0	7	79.0
Dementia	15	65.3	89	92.7	1	13.6	5	56.4
Alzheimer's Disease	6	26.1	63	65.6	0	0.0	6	67.7
Major Cardiovascular Disease	118	513.6	300	312.5	21	286.3	29	327.4
--Diseases of the Heart	95	413.5	190	197.9	18	245.4	22	248.3
----Ischemic Heart Disease	65	282.9	113	117.7	11	149.9	11	124.2
--Essential Hypertension and Hypertensive Renal Disease	2	8.7	18	18.8	1	13.6	2	22.6
--Cerebrovascular Diseases (Stroke)	17	74.0	77	80.2	1	13.6	5	56.4
--Arteriosclerosis	0	0.0	5	5.2	1	13.6	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	4	17.4	10	10.4	0	0.0	0	0.0
Influenza and Pneumonia	18	78.3	23	24.0	1	13.6	1	11.3
--Influenza	0	0.0	1	1.0	0	0.0	0	0.0
--Pneumonia	18	78.3	22	22.9	1	13.6	1	11.3
Chronic Lower Respiratory Diseases	26	113.2	71	74.0	4	54.5	9	101.6
--Bronchitis, Emphysema and Asthma	1	4.4	2	2.1	0	0.0	0	0.0
Lung Diseases due to External Agents	7	30.5	6	6.3	0	0.0	1	11.3
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	17.4	16	16.7	2	27.3	2	22.6
Nephritis, Nephrotic Syndrome and Nephrosis	7	30.5	28	29.2	1	13.6	2	22.6
Congenital Malformations	0	0.0	3	3.1	1	13.6	1	11.3
Ill-Defined and Unknown Causes of Death	16	69.6	30	31.3	3	40.9	2	22.6
Accidents, All Forms	19	82.7	149	155.2	5	68.2	8	90.3
--Motor Vehicle	2	8.7	16	16.7	3	40.9	3	33.9
--Falls	5	21.8	18	18.8	1	13.6	1	11.3
--Drownings	0	0.0	0	0.0	1	13.6	0	0.0
--Smoke, Fires and Flames	0	0.0	2	2.1	0	0.0	0	0.0
--Poisonings	11	47.9	97	101.1	0	0.0	3	33.9
--Other Accidents	1	4.4	16	16.7	0	0.0	1	11.3
Intentional Self-Harm (Suicide)	2	8.7	21	21.9	1	13.6	1	11.3
Assault (Homicide)	0	0.0	14	14.6	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	4	4.2	0	0.0	1	11.3
All Other Causes (Residual)	58	252.4	166	172.9	13	177.2	15	169.3

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Doddridge		Fayette		Gilmer		Grant	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	14.7	3	6.6	1	14.7	0	0.0
Total Deaths, All Causes	85	10.1	660	14.9	90	10.9	133	11.3
--Deaths Under One Year	0	0.0	7	15.5	0	0.0	1	8.8
--Deaths Under 28 Days	0	0.0	2	4.4	0	0.0	1	8.8
Tuberculosis	0	0.0	1	2.3	0	0.0	0	0.0
Septicemia	0	0.0	12	27.1	0	0.0	3	25.6
Human Immunodeficiency Virus Infection	0	0.0	1	2.3	1	12.1	0	0.0
Malignant Neoplasms	21	249.6	131	295.6	21	254.6	26	221.6
--of Digestive Organs	2	23.8	33	74.5	6	72.7	3	25.6
----Colon	2	23.8	10	22.6	2	24.2	2	17.0
----Pancreas	0	0.0	9	20.3	1	12.1	0	0.0
--of Respiratory and Intrathoracic Organs	12	142.6	41	92.5	5	60.6	8	68.2
----Trachea, Bronchus and Lung	12	142.6	39	88.0	5	60.6	8	68.2
--of Breast	0	0.0	12	27.1	0	0.0	2	17.0
--of Genitourinary Organs	1	11.9	12	27.1	4	48.5	5	42.6
----Cervix Uteri	0	0.0	2	4.5	0	0.0	0	0.0
----Ovary	0	0.0	2	4.5	1	12.1	1	8.5
----Prostate	0	0.0	5	11.3	0	0.0	2	17.0
----Bladder	0	0.0	1	2.3	2	24.2	1	8.5
--All Other (Malignant Neoplasms)	6	71.3	33	74.5	6	72.7	8	68.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	11.9	3	6.8	0	0.0	0	0.0
Diabetes Mellitus	1	11.9	33	74.5	5	60.6	4	34.1
Dementia	1	11.9	32	72.2	3	36.4	5	42.6
Alzheimer's Disease	3	35.7	14	31.6	1	12.1	1	8.5
Major Cardiovascular Disease	27	320.9	190	428.7	26	315.2	48	409.1
--Diseases of the Heart	16	190.2	140	315.9	22	266.7	36	306.9
----Ischemic Heart Disease	12	142.6	105	236.9	20	242.5	20	170.5
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	13	29.3	0	0.0	1	8.5
--Cerebrovascular Diseases (Stroke)	8	95.1	32	72.2	2	24.2	3	25.6
--Arteriosclerosis	0	0.0	1	2.3	0	0.0	7	59.7
--Other Diseases of Arteries, Arterioles and Capillaries	3	35.7	4	9.0	2	24.2	1	8.5
Influenza and Pneumonia	0	0.0	8	18.0	4	48.5	0	0.0
--Influenza	0	0.0	2	4.5	1	12.1	0	0.0
--Pneumonia	0	0.0	6	13.5	3	36.4	0	0.0
Chronic Lower Respiratory Diseases	8	95.1	43	97.0	9	109.1	9	76.7
--Bronchitis, Emphysema and Asthma	0	0.0	5	11.3	0	0.0	0	0.0
Lung Diseases due to External Agents	2	23.8	3	6.8	1	12.1	1	8.5
--Coal Worker's Pneumoconiosis	0	0.0	1	2.3	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	7	15.8	1	12.1	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	1	11.9	13	29.3	0	0.0	3	25.6
Congenital Malformations	1	11.9	2	4.5	0	0.0	2	17.0
Ill-Defined and Unknown Causes of Death	2	23.8	16	36.1	1	12.1	4	34.1
Accidents, All Forms	3	35.7	39	88.0	4	48.5	10	85.2
--Motor Vehicle	0	0.0	8	18.0	4	48.5	3	25.6
--Falls	0	0.0	8	18.0	0	0.0	3	25.6
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	2	4.5	0	0.0	0	0.0
--Poisonings	2	23.8	16	36.1	0	0.0	4	34.1
--Other Accidents	1	11.9	5	11.3	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	3	35.7	12	27.1	1	12.1	2	17.0
Assault (Homicide)	0	0.0	8	18.0	2	24.2	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	4.5	0	0.0	0	0.0
All Other Causes (Residual)	11	130.8	90	203.1	10	121.2	15	127.9

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Greenbrier		Hampshire		Hancock		Hardy	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	2.9	0	0.0	2	9.2	1	5.9
Total Deaths, All Causes	478	13.5	254	10.9	403	13.6	170	12.2
--Deaths Under One Year	3	8.7	1	5.3	0	0.0	1	5.9
--Deaths Under 28 Days	3	8.7	1	5.3	0	0.0	1	5.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	6	17.0	7	30.0	9	30.4	3	21.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	3.4	0	0.0
Malignant Neoplasms	94	266.4	59	253.2	55	185.9	32	230.4
--of Digestive Organs	18	51.0	12	51.5	13	43.9	14	100.8
----Colon	9	25.5	7	30.0	7	23.7	4	28.8
----Pancreas	3	8.5	2	8.6	3	10.1	4	28.8
--of Respiratory and Intrathoracic Organs	30	85.0	17	73.0	13	43.9	8	57.6
----Trachea, Bronchus and Lung	28	79.4	17	73.0	13	43.9	8	57.6
--of Breast	6	17.0	4	17.2	3	10.1	1	7.2
--of Genitourinary Organs	19	53.9	8	34.3	11	37.2	5	36.0
----Cervix Uteri	1	2.8	0	0.0	0	0.0	0	0.0
----Ovary	3	8.5	1	4.3	1	3.4	0	0.0
----Prostate	4	11.3	4	17.2	3	10.1	2	14.4
----Bladder	3	8.5	1	4.3	2	6.8	0	0.0
--All Other (Malignant Neoplasms)	21	59.5	18	77.2	15	50.7	4	28.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	2.8	0	0.0	5	16.9	0	0.0
Diabetes Mellitus	14	39.7	12	51.5	9	30.4	7	50.4
Dementia	24	68.0	6	25.7	14	47.3	6	43.2
Alzheimer's Disease	19	53.9	4	17.2	7	23.7	9	64.8
Major Cardiovascular Disease	137	388.3	58	248.9	147	496.8	54	388.8
--Diseases of the Heart	101	286.3	44	188.8	121	408.9	34	244.8
----Ischemic Heart Disease	60	170.1	30	128.7	88	297.4	19	136.8
--Essential Hypertension and Hypertensive Renal Disease	7	19.8	7	30.0	3	10.1	0	0.0
--Cerebrovascular Diseases (Stroke)	29	82.2	6	25.7	19	64.2	9	64.8
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	9	64.8
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	4.3	4	13.5	2	14.4
Influenza and Pneumonia	10	28.3	6	25.7	18	60.8	1	7.2
--Influenza	1	2.8	0	0.0	0	0.0	0	0.0
--Pneumonia	9	25.5	6	25.7	18	60.8	1	7.2
Chronic Lower Respiratory Diseases	42	119.1	20	85.8	22	74.3	11	79.2
--Bronchitis, Emphysema and Asthma	4	11.3	0	0.0	4	13.5	0	0.0
Lung Diseases due to External Agents	7	19.8	5	21.5	5	16.9	1	7.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	11.3	2	8.6	6	20.3	1	7.2
Nephritis, Nephrotic Syndrome and Nephrosis	6	17.0	8	34.3	10	33.8	9	64.8
Congenital Malformations	5	14.2	1	4.3	1	3.4	0	0.0
Ill-Defined and Unknown Causes of Death	7	19.8	1	4.3	19	64.2	9	64.8
Accidents, All Forms	31	87.9	29	124.5	22	74.3	8	57.6
--Motor Vehicle	1	2.8	9	38.6	3	10.1	3	21.6
--Falls	4	11.3	3	12.9	5	16.9	1	7.2
--Drownings	2	5.7	1	4.3	0	0.0	0	0.0
--Smoke, Fires and Flames	1	2.8	0	0.0	0	0.0	0	0.0
--Poisonings	7	19.8	14	60.1	11	37.2	3	21.6
--Other Accidents	16	45.4	2	8.6	3	10.1	1	7.2
Intentional Self-Harm (Suicide)	7	19.8	3	12.9	7	23.7	1	7.2
Assault (Homicide)	1	2.8	0	0.0	1	3.4	1	7.2
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	8.6	1	3.4	0	0.0
All Other Causes (Residual)	63	178.6	31	133.0	44	148.7	17	122.4

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (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	5	6.8	0	0.0	3	5.6	13	6.6
Total Deaths, All Causes	851	12.4	348	11.9	488	8.7	2,520	13.5
--Deaths Under One Year	5	6.8	2	6.5	1	1.9	14	7.1
--Deaths Under 28 Days	3	4.1	0	0.0	0	0.0	8	4.1
Tuberculosis	1	1.5	0	0.0	0	0.0	0	0.0
Septicemia	9	13.2	1	3.4	6	10.6	48	25.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	1.8	2	1.1
Malignant Neoplasms	176	257.3	83	284.7	117	207.6	489	262.6
--of Digestive Organs	39	57.0	19	65.2	26	46.1	115	61.7
----Colon	10	14.6	6	20.6	9	16.0	31	16.6
----Pancreas	7	10.2	6	20.6	4	7.1	38	20.4
--of Respiratory and Intrathoracic Organs	63	92.1	34	116.6	36	63.9	133	71.4
----Trachea, Bronchus and Lung	63	92.1	31	106.3	36	63.9	126	67.7
--of Breast	7	10.2	2	6.9	6	10.6	28	15.0
--of Genitourinary Organs	16	23.4	8	27.4	18	31.9	85	45.6
----Cervix Uteri	0	0.0	1	3.4	1	1.8	7	3.8
----Ovary	5	7.3	0	0.0	4	7.1	13	7.0
----Prostate	6	8.8	2	6.9	6	10.6	29	15.6
----Bladder	1	1.5	2	6.9	1	1.8	16	8.6
--All Other (Malignant Neoplasms)	51	74.6	20	68.6	31	55.0	128	68.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	5	7.3	0	0.0	3	5.3	9	4.8
Diabetes Mellitus	21	30.7	10	34.3	21	37.3	83	44.6
Dementia	23	33.6	5	17.2	23	40.8	112	60.1
Alzheimer's Disease	33	48.2	12	41.2	6	10.6	129	69.3
Major Cardiovascular Disease	284	415.2	113	387.6	130	230.6	661	354.9
--Diseases of the Heart	207	302.6	79	271.0	107	189.8	474	254.5
----Ischemic Heart Disease	143	209.1	63	216.1	71	126.0	297	159.5
--Essential Hypertension and Hypertensive Renal Disease	11	16.1	6	20.6	2	3.5	38	20.4
--Cerebrovascular Diseases (Stroke)	25	36.5	22	75.5	19	33.7	130	69.8
--Arteriosclerosis	36	52.6	3	10.3	1	1.8	4	2.1
--Other Diseases of Arteries, Arterioles and Capillaries	5	7.3	3	10.3	1	1.8	15	8.1
Influenza and Pneumonia	13	19.0	12	41.2	10	17.7	38	20.4
--Influenza	1	1.5	1	3.4	1	1.8	3	1.6
--Pneumonia	12	17.5	11	37.7	9	16.0	35	18.8
Chronic Lower Respiratory Diseases	67	98.0	17	58.3	23	40.8	149	80.0
--Bronchitis, Emphysema and Asthma	1	1.5	2	6.9	4	7.1	11	5.9
Lung Diseases due to External Agents	7	10.2	1	3.4	5	8.9	21	11.3
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	0.5
Chronic Liver Disease and Cirrhosis	13	19.0	2	6.9	5	8.9	32	17.2
Nephritis, Nephrotic Syndrome and Nephrosis	26	38.0	8	27.4	9	16.0	72	38.7
Congenital Malformations	1	1.5	0	0.0	1	1.8	13	7.0
Ill-Defined and Unknown Causes of Death	18	26.3	4	13.7	5	8.9	55	29.5
Accidents, All Forms	50	73.1	23	78.9	54	95.8	199	106.9
--Motor Vehicle	9	13.2	9	30.9	6	10.6	24	12.9
--Falls	11	16.1	5	17.2	7	12.4	42	22.6
--Drownings	0	0.0	1	3.4	2	3.5	5	2.7
--Smoke, Fires and Flames	1	1.5	0	0.0	1	1.8	2	1.1
--Poisonings	27	39.5	6	20.6	35	62.1	106	56.9
--Other Accidents	2	2.9	2	6.9	3	5.3	20	10.7
Intentional Self-Harm (Suicide)	10	14.6	3	10.3	10	17.7	46	24.7
Assault (Homicide)	2	2.9	2	6.9	4	7.1	17	9.1
Injury Undetermined Whether Accidental or Purposely Inflicted	2	2.9	1	3.4	1	1.8	8	4.3
All Other Causes (Residual)	90	131.6	51	174.9	54	95.8	337	180.9

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*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, 2016  
Table 67 (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	0	0.0	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	233	14.3	276	13.0	539	16.0	337	17.6
--Deaths Under One Year	1	5.3	1	4.1	3	8.4	2	9.0
--Deaths Under 28 Days	0	0.0	1	4.1	2	5.6	1	4.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	5	30.7	5	23.5	13	38.6	6	31.3
Human Immunodeficiency Virus Infection	1	6.1	1	4.7	0	0.0	0	0.0
Malignant Neoplasms	59	361.8	57	268.5	100	296.7	60	313.5
--of Digestive Organs	9	55.2	15	70.6	20	59.3	15	78.4
----Colon	5	30.7	5	23.5	10	29.7	8	41.8
----Pancreas	2	12.3	4	18.8	5	14.8	2	10.4
--of Respiratory and Intrathoracic Organs	24	147.2	19	89.5	31	92.0	11	57.5
----Trachea, Bronchus and Lung	22	134.9	18	84.8	31	92.0	11	57.5
--of Breast	5	30.7	1	4.7	8	23.7	8	41.8
--of Genitourinary Organs	10	61.3	8	37.7	11	32.6	15	78.4
----Cervix Uteri	0	0.0	0	0.0	1	3.0	0	0.0
----Ovary	3	18.4	1	4.7	2	5.9	0	0.0
----Prostate	3	18.4	2	9.4	5	14.8	4	20.9
----Bladder	2	12.3	2	9.4	2	5.9	7	36.6
--All Other (Malignant Neoplasms)	11	67.4	14	65.9	30	89.0	11	57.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	4	18.8	1	3.0	1	5.2
Diabetes Mellitus	11	67.4	12	56.5	40	118.7	19	99.3
Dementia	7	42.9	13	61.2	17	50.4	9	47.0
Alzheimer's Disease	6	36.8	11	51.8	13	38.6	1	5.2
Major Cardiovascular Disease	60	367.9	69	325.0	134	397.6	103	538.1
--Diseases of the Heart	40	245.3	59	277.9	96	284.9	90	470.2
----Ischemic Heart Disease	30	183.9	33	155.4	63	186.9	55	287.3
--Essential Hypertension and Hypertensive Renal Disease	6	36.8	1	4.7	13	38.6	5	26.1
--Cerebrovascular Diseases (Stroke)	12	73.6	7	33.0	22	65.3	7	36.6
--Arteriosclerosis	1	6.1	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	6.1	2	9.4	3	8.9	1	5.2
Influenza and Pneumonia	7	42.9	6	28.3	16	47.5	2	10.4
--Influenza	1	6.1	1	4.7	1	3.0	0	0.0
--Pneumonia	6	36.8	5	23.5	15	44.5	2	10.4
Chronic Lower Respiratory Diseases	20	122.6	18	84.8	59	175.1	27	141.1
--Bronchitis, Emphysema and Asthma	1	6.1	0	0.0	3	8.9	2	10.4
Lung Diseases due to External Agents	2	12.3	1	4.7	5	14.8	4	20.9
--Coal Worker's Pneumoconiosis	1	6.1	0	0.0	1	3.0	2	10.4
Chronic Liver Disease and Cirrhosis	5	30.7	4	18.8	6	17.8	9	47.0
Nephritis, Nephrotic Syndrome and Nephrosis	5	30.7	5	23.5	11	32.6	4	20.9
Congenital Malformations	1	6.1	0	0.0	1	3.0	2	10.4
Ill-Defined and Unknown Causes of Death	2	12.3	6	28.3	5	14.8	7	36.6
Accidents, All Forms	11	67.4	24	113.0	29	86.1	20	104.5
--Motor Vehicle	6	36.8	4	18.8	3	8.9	6	31.3
--Falls	5	30.7	1	4.7	6	17.8	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0	1	5.2
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	0	0.0	14	65.9	15	44.5	10	52.2
--Other Accidents	0	0.0	5	23.5	5	14.8	3	15.7
Intentional Self-Harm (Suicide)	4	24.5	7	33.0	11	32.6	8	41.8
Assault (Homicide)	0	0.0	1	4.7	5	14.8	6	31.3
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	9.4	1	3.0	1	5.2
All Other Causes (Residual)	27	165.6	30	141.3	72	213.6	48	250.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (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	2	6.5	0	0.0	5	7.6
Total Deaths, All Causes	708	12.5	432	13.6	343	12.8	846	14.0
--Deaths Under One Year	4	6.1	3	9.8	1	4.1	2	3.0
--Deaths Under 28 Days	3	4.6	1	3.3	1	4.1	1	1.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	12	21.2	1	3.1	7	26.1	16	26.5
Human Immunodeficiency Virus Infection	0	0.0	1	3.1	0	0.0	0	0.0
Malignant Neoplasms	142	251.2	87	273.6	62	231.1	156	258.0
--of Digestive Organs	33	58.4	18	56.6	10	37.3	45	74.4
----Colon	13	23.0	4	12.6	4	14.9	16	26.5
----Pancreas	10	17.7	5	15.7	3	11.2	11	18.2
--of Respiratory and Intrathoracic Organs	49	86.7	28	88.1	18	67.1	47	77.7
----Trachea, Bronchus and Lung	49	86.7	28	88.1	18	67.1	44	72.8
--of Breast	11	19.5	7	22.0	8	29.8	7	11.6
--of Genitourinary Organs	21	37.1	10	31.5	7	26.1	19	31.4
----Cervix Uteri	0	0.0	0	0.0	0	0.0	3	5.0
----Ovary	4	7.1	2	6.3	3	11.2	1	1.7
----Prostate	8	14.1	3	9.4	1	3.7	5	8.3
----Bladder	4	7.1	2	6.3	0	0.0	2	3.3
--All Other (Malignant Neoplasms)	28	49.5	24	75.5	19	70.8	38	62.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	3.5	1	3.1	5	18.6	3	5.0
Diabetes Mellitus	37	65.4	14	44.0	6	22.4	33	54.6
Dementia	22	38.9	19	59.8	5	18.6	49	81.0
Alzheimer's Disease	16	28.3	21	66.1	18	67.1	22	36.4
Major Cardiovascular Disease	253	447.5	135	424.6	98	365.3	211	348.9
--Diseases of the Heart	206	364.4	105	330.3	70	261.0	158	261.3
----Ischemic Heart Disease	149	263.5	70	220.2	43	160.3	95	157.1
--Essential Hypertension and Hypertensive Renal Disease	13	23.0	5	15.7	8	29.8	9	14.9
--Cerebrovascular Diseases (Stroke)	25	44.2	21	66.1	16	59.6	37	61.2
--Arteriosclerosis	1	1.8	1	3.1	0	0.0	2	3.3
--Other Diseases of Arteries, Arterioles and Capillaries	8	14.1	3	9.4	4	14.9	5	8.3
Influenza and Pneumonia	3	5.3	13	40.9	5	18.6	13	21.5
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	3	5.3	13	40.9	5	18.6	13	21.5
Chronic Lower Respiratory Diseases	64	113.2	36	113.2	30	111.8	79	130.6
--Bronchitis, Emphysema and Asthma	2	3.5	3	9.4	2	7.5	2	3.3
Lung Diseases due to External Agents	6	10.6	2	6.3	0	0.0	8	13.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	1.7
Chronic Liver Disease and Cirrhosis	7	12.4	8	25.2	11	41.0	13	21.5
Nephritis, Nephrotic Syndrome and Nephrosis	12	21.2	7	22.0	9	33.6	25	41.3
Congenital Malformations	2	3.5	1	3.1	2	7.5	1	1.7
Ill-Defined and Unknown Causes of Death	6	10.6	10	31.5	6	22.4	13	21.5
Accidents, All Forms	34	60.1	17	53.5	28	104.4	69	114.1
--Motor Vehicle	9	15.9	4	12.6	5	18.6	10	16.5
--Falls	12	21.2	3	9.4	5	18.6	10	16.5
--Drownings	0	0.0	0	0.0	0	0.0	2	3.3
--Smoke, Fires and Flames	0	0.0	0	0.0	2	7.5	3	5.0
--Poisonings	9	15.9	8	25.2	14	52.2	41	67.8
--Other Accidents	4	7.1	2	6.3	2	7.5	3	5.0
Intentional Self-Harm (Suicide)	10	17.7	2	6.3	3	11.2	13	21.5
Assault (Homicide)	3	5.3	1	3.1	0	0.0	9	14.9
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	4	6.6
All Other Causes (Residual)	77	136.2	56	176.1	48	178.9	109	180.3

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (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	2	7.2	1	3.7	4	3.6	1	7.6
Total Deaths, All Causes	339	12.4	340	13.8	729	7.0	160	12.0
--Deaths Under One Year	2	7.2	1	3.7	10	8.9	0	0.0
--Deaths Under 28 Days	1	3.6	1	3.7	7	6.2	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	8	29.2	8	32.5	7	6.7	1	7.5
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	2	1.9	0	0.0
Malignant Neoplasms	62	226.2	80	324.6	151	144.3	46	344.1
--of Digestive Organs	17	62.0	14	56.8	50	47.8	11	82.3
----Colon	8	29.2	7	28.4	15	14.3	3	22.4
----Pancreas	3	10.9	3	12.2	12	11.5	4	29.9
--of Respiratory and Intrathoracic Organs	16	58.4	31	125.8	37	35.4	12	89.8
----Trachea, Bronchus and Lung	16	58.4	27	109.5	34	32.5	12	89.8
--of Breast	4	14.6	6	24.3	8	7.6	3	22.4
--of Genitourinary Organs	8	29.2	9	36.5	16	15.3	6	44.9
----Cervix Uteri	0	0.0	2	8.1	1	1.0	0	0.0
----Ovary	1	3.6	2	8.1	2	1.9	2	15.0
----Prostate	4	14.6	1	4.1	9	8.6	0	0.0
----Bladder	1	3.6	2	8.1	0	0.0	2	15.0
--All Other (Malignant Neoplasms)	17	62.0	20	81.1	40	38.2	14	104.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	5	18.2	2	8.1	8	7.6	1	7.5
Diabetes Mellitus	4	14.6	5	20.3	23	22.0	2	15.0
Dementia	15	54.7	8	32.5	31	29.6	7	52.4
Alzheimer's Disease	15	54.7	8	32.5	23	22.0	6	44.9
Major Cardiovascular Disease	95	346.6	89	361.1	221	211.2	34	254.3
--Diseases of the Heart	66	240.8	75	304.3	170	162.5	28	209.4
----Ischemic Heart Disease	47	171.5	51	206.9	106	101.3	18	134.6
--Essential Hypertension and Hypertensive Renal Disease	5	18.2	3	12.2	11	10.5	2	15.0
--Cerebrovascular Diseases (Stroke)	14	51.1	8	32.5	31	29.6	4	29.9
--Arteriosclerosis	5	18.2	0	0.0	1	1.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	5	18.2	3	12.2	8	7.6	0	0.0
Influenza and Pneumonia	10	36.5	12	48.7	14	13.4	2	15.0
--Influenza	0	0.0	2	8.1	2	1.9	0	0.0
--Pneumonia	10	36.5	10	40.6	12	11.5	2	15.0
Chronic Lower Respiratory Diseases	17	62.0	24	97.4	50	47.8	11	82.3
--Bronchitis, Emphysema and Asthma	1	3.6	1	4.1	1	1.0	0	0.0
Lung Diseases due to External Agents	1	3.6	4	16.2	4	3.8	2	15.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	21.9	5	20.3	8	7.6	2	15.0
Nephritis, Nephrotic Syndrome and Nephrosis	7	25.5	8	32.5	12	11.5	4	29.9
Congenital Malformations	1	3.6	2	8.1	1	1.0	0	0.0
Ill-Defined and Unknown Causes of Death	2	7.3	2	8.1	12	11.5	3	22.4
Accidents, All Forms	25	91.2	38	154.2	66	63.1	7	52.4
--Motor Vehicle	4	14.6	2	8.1	7	6.7	2	15.0
--Falls	8	29.2	1	4.1	18	17.2	1	7.5
--Drownings	0	0.0	2	8.1	1	1.0	0	0.0
--Smoke, Fires and Flames	2	7.3	4	16.2	1	1.0	0	0.0
--Poisonings	11	40.1	23	93.3	31	29.6	4	29.9
--Other Accidents	0	0.0	6	24.3	8	7.6	0	0.0
Intentional Self-Harm (Suicide)	9	32.8	2	8.1	7	6.7	5	37.4
Assault (Homicide)	0	0.0	1	4.1	3	2.9	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	2	7.3	1	4.1	3	2.9	0	0.0
All Other Causes (Residual)	55	200.6	41	166.3	83	79.3	27	201.9

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (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	1	3.7	3	7.2	1	13.3
Total Deaths, All Causes	242	13.7	336	13.3	576	13.5	95	13.5
--Deaths Under One Year	2	13.8	2	7.5	3	7.2	0	0.0
--Deaths Under 28 Days	1	6.9	2	7.5	2	4.8	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	11.3	3	11.9	4	9.4	1	14.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	61	346.0	76	300.3	122	287.0	18	255.3
--of Digestive Organs	17	96.4	22	86.9	31	72.9	3	42.5
----Colon	3	17.0	8	31.6	7	16.5	1	14.2
----Pancreas	5	28.4	2	7.9	3	7.1	1	14.2
--of Respiratory and Intrathoracic Organs	21	119.1	27	106.7	34	80.0	7	99.3
----Trachea, Bronchus and Lung	20	113.4	26	102.7	33	77.6	7	99.3
--of Breast	4	22.7	3	11.9	10	23.5	0	0.0
--of Genitourinary Organs	13	73.7	10	39.5	16	37.6	1	14.2
----Cervix Uteri	1	5.7	1	4.0	0	0.0	0	0.0
----Ovary	2	11.3	3	11.9	1	2.4	0	0.0
----Prostate	4	22.7	2	7.9	6	14.1	1	14.2
----Bladder	4	22.7	3	11.9	8	18.8	0	0.0
--All Other (Malignant Neoplasms)	6	34.0	14	55.3	31	72.9	7	99.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	11.3	0	0.0	5	11.8	0	0.0
Diabetes Mellitus	6	34.0	9	35.6	20	47.0	4	56.7
Dementia	10	56.7	15	59.3	34	80.0	4	56.7
Alzheimer's Disease	16	90.7	11	43.5	19	44.7	4	56.7
Major Cardiovascular Disease	45	255.2	99	391.1	169	397.5	30	425.5
--Diseases of the Heart	33	187.2	77	304.2	122	287.0	19	269.5
----Ischemic Heart Disease	18	102.1	47	185.7	74	174.1	11	156.0
--Essential Hypertension and Hypertensive Renal Disease	2	11.3	0	0.0	5	11.8	2	28.4
--Cerebrovascular Diseases (Stroke)	9	51.0	18	71.1	35	82.3	8	113.5
--Arteriosclerosis	0	0.0	0	0.0	2	4.7	1	14.2
--Other Diseases of Arteries, Arterioles and Capillaries	1	5.7	4	15.8	5	11.8	0	0.0
Influenza and Pneumonia	7	39.7	9	35.6	15	35.3	1	14.2
--Influenza	0	0.0	1	4.0	2	4.7	0	0.0
--Pneumonia	7	39.7	8	31.6	13	30.6	1	14.2
Chronic Lower Respiratory Diseases	15	85.1	21	83.0	42	98.8	4	56.7
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	2	4.7	0	0.0
Lung Diseases due to External Agents	4	22.7	5	19.8	4	9.4	1	14.2
--Coal Worker's Pneumoconiosis	0	0.0	1	4.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	17.0	6	23.7	7	16.5	2	28.4
Nephritis, Nephrotic Syndrome and Nephrosis	5	28.4	6	23.7	10	23.5	2	28.4
Congenital Malformations	1	5.7	1	4.0	2	4.7	0	0.0
Ill-Defined and Unknown Causes of Death	3	17.0	3	11.9	9	21.2	2	28.4
Accidents, All Forms	21	119.1	25	98.8	27	63.5	7	99.3
--Motor Vehicle	8	45.4	7	27.7	2	4.7	3	42.5
--Falls	5	28.4	5	19.8	10	23.5	1	14.2
--Drownings	0	0.0	0	0.0	1	2.4	0	0.0
--Smoke, Fires and Flames	1	5.7	0	0.0	3	7.1	0	0.0
--Poisonings	6	34.0	12	47.4	10	23.5	2	28.4
--Other Accidents	1	5.7	1	4.0	1	2.4	1	14.2
Intentional Self-Harm (Suicide)	5	28.4	4	15.8	8	18.8	1	14.2
Assault (Homicide)	4	22.7	1	4.0	1	2.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	4	15.8	1	2.4	0	0.0
All Other Causes (Residual)	32	181.5	38	150.1	77	181.1	14	198.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*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, 2016  
Table 67 (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	0	0.0	1	11.0	4	11.9	1	1.8
Total Deaths, All Causes	94	12.4	95	11.2	367	10.9	625	11.0
--Deaths Under One Year	0	0.0	0	0.0	5	14.8	1	1.8
--Deaths Under 28 Days	0	0.0	0	0.0	4	11.9	1	1.8
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	39.5	1	11.8	7	20.7	4	7.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	3.0	0	0.0
Malignant Neoplasms	19	250.3	24	282.3	79	234.0	137	240.6
--of Digestive Organs	4	52.7	5	58.8	19	56.3	32	56.2
----Colon	1	13.2	1	11.8	8	23.7	8	14.0
----Pancreas	1	13.2	1	11.8	5	14.8	6	10.5
--of Respiratory and Intrathoracic Organs	6	79.0	5	58.8	21	62.2	34	59.7
----Trachea, Bronchus and Lung	6	79.0	5	58.8	20	59.2	32	56.2
--of Breast	1	13.2	1	11.8	6	17.8	11	19.3
--of Genitourinary Organs	0	0.0	1	11.8	14	41.5	26	45.7
----Cervix Uteri	0	0.0	0	0.0	0	0.0	3	5.3
----Ovary	0	0.0	0	0.0	1	3.0	1	1.8
----Prostate	0	0.0	1	11.8	7	20.7	9	15.8
----Bladder	0	0.0	0	0.0	3	8.9	5	8.8
--All Other (Malignant Neoplasms)	8	105.4	12	141.2	19	56.3	34	59.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	13.2	0	0.0	5	14.8	2	3.5
Diabetes Mellitus	4	52.7	4	47.1	26	77.0	23	40.4
Dementia	6	79.0	1	11.8	5	14.8	23	40.4
Alzheimer's Disease	4	52.7	6	70.6	12	35.5	34	59.7
Major Cardiovascular Disease	29	382.0	26	305.8	112	331.8	191	335.4
--Diseases of the Heart	22	289.8	18	211.7	92	272.5	151	265.2
----Ischemic Heart Disease	15	197.6	10	117.6	64	189.6	100	175.6
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	11.8	4	11.8	5	8.8
--Cerebrovascular Diseases (Stroke)	7	92.2	5	58.8	13	38.5	31	54.4
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	23.5	3	8.9	4	7.0
Influenza and Pneumonia	1	13.2	3	35.3	4	11.8	11	19.3
--Influenza	0	0.0	0	0.0	1	3.0	1	1.8
--Pneumonia	1	13.2	3	35.3	3	8.9	10	17.6
Chronic Lower Respiratory Diseases	4	52.7	6	70.6	24	71.1	40	70.2
--Bronchitis, Emphysema and Asthma	2	26.3	0	0.0	1	3.0	7	12.3
Lung Diseases due to External Agents	0	0.0	1	11.8	2	5.9	4	7.0
--Coal Worker's Pneumoconiosis	0	0.0	1	11.8	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	13.2	1	11.8	5	14.8	7	12.3
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	3	35.3	4	11.8	18	31.6
Congenital Malformations	0	0.0	0	0.0	2	5.9	1	1.8
Ill-Defined and Unknown Causes of Death	2	26.3	5	58.8	4	11.8	11	19.3
Accidents, All Forms	5	65.9	3	35.3	29	85.9	45	79.0
--Motor Vehicle	1	13.2	1	11.8	8	23.7	12	21.1
--Falls	2	26.3	0	0.0	7	20.7	8	14.0
--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	2	3.5
--Poisonings	1	13.2	2	23.5	11	32.6	21	36.9
--Other Accidents	1	13.2	0	0.0	3	8.9	2	3.5
Intentional Self-Harm (Suicide)	2	26.3	1	11.8	3	8.9	11	19.3
Assault (Homicide)	0	0.0	0	0.0	0	0.0	1	1.8
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	1	3.0	1	1.8
All Other Causes (Residual)	13	171.3	10	117.6	42	124.4	61	107.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Raleigh		Randolph		Ritchie		Roane	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	5	6.0	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	1,049	13.7	366	12.6	108	10.9	216	15.2
--Deaths Under One Year	6	7.2	2	7.0	0	0.0	2	15.4
--Deaths Under 28 Days	2	2.4	1	3.5	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	23	30.0	9	31.0	0	0.0	2	14.1
Human Immunodeficiency Virus Infection	0	0.0	1	3.4	0	0.0	0	0.0
Malignant Neoplasms	224	292.4	76	262.0	22	222.8	49	344.9
--of Digestive Organs	50	65.3	23	79.3	3	30.4	16	112.6
----Colon	17	22.2	6	20.7	0	0.0	5	35.2
----Pancreas	10	13.1	3	10.3	1	10.1	4	28.2
--of Respiratory and Intrathoracic Organs	73	95.3	26	89.6	10	101.3	13	91.5
----Trachea, Bronchus and Lung	71	92.7	26	89.6	10	101.3	13	91.5
--of Breast	14	18.3	4	13.8	1	10.1	4	28.2
--of Genitourinary Organs	34	44.4	8	27.6	4	40.5	5	35.2
----Cervix Uteri	2	2.6	1	3.4	0	0.0	1	7.0
----Ovary	8	10.4	1	3.4	1	10.1	0	0.0
----Prostate	10	13.1	3	10.3	1	10.1	1	7.0
----Bladder	3	3.9	0	0.0	1	10.1	2	14.1
--All Other (Malignant Neoplasms)	53	69.2	15	51.7	4	40.5	11	77.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	5	6.5	0	0.0	0	0.0	2	14.1
Diabetes Mellitus	52	67.9	11	37.9	3	30.4	8	56.3
Dementia	29	37.9	11	37.9	0	0.0	4	28.2
Alzheimer's Disease	10	13.1	22	75.8	6	60.8	12	84.5
Major Cardiovascular Disease	282	368.1	104	358.5	37	374.7	55	387.1
--Diseases of the Heart	218	284.6	76	262.0	28	283.5	37	260.4
----Ischemic Heart Disease	155	202.3	57	196.5	23	232.9	26	183.0
--Essential Hypertension and Hypertensive Renal Disease	16	20.9	6	20.7	2	20.3	2	14.1
--Cerebrovascular Diseases (Stroke)	39	50.9	18	62.1	7	70.9	12	84.5
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	9	11.7	4	13.8	0	0.0	4	28.2
Influenza and Pneumonia	15	19.6	9	31.0	2	20.3	3	21.1
--Influenza	1	1.3	1	3.4	0	0.0	1	7.0
--Pneumonia	14	18.3	8	27.6	2	20.3	2	14.1
Chronic Lower Respiratory Diseases	83	108.4	31	106.9	6	60.8	13	91.5
--Bronchitis, Emphysema and Asthma	6	7.8	2	6.9	1	10.1	0	0.0
Lung Diseases due to External Agents	12	15.7	2	6.9	1	10.1	3	21.1
--Coal Worker's Pneumoconiosis	3	3.9	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	14	18.3	2	6.9	0	0.0	3	21.1
Nephritis, Nephrotic Syndrome and Nephrosis	10	13.1	7	24.1	4	40.5	9	63.3
Congenital Malformations	3	3.9	2	6.9	1	10.1	2	14.1
Ill-Defined and Unknown Causes of Death	18	23.5	11	37.9	3	30.4	4	28.2
Accidents, All Forms	85	111.0	14	48.3	7	70.9	11	77.4
--Motor Vehicle	13	17.0	5	17.2	1	10.1	0	0.0
--Falls	19	24.8	1	3.4	0	0.0	2	14.1
--Drownings	1	1.3	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	3	3.9	0	0.0	1	10.1	0	0.0
--Poisonings	42	54.8	7	24.1	1	10.1	6	42.2
--Other Accidents	7	9.1	1	3.4	4	40.5	3	21.1
Intentional Self-Harm (Suicide)	24	31.3	4	13.8	3	30.4	7	49.3
Assault (Homicide)	8	10.4	0	0.0	0	0.0	1	7.0
Injury Undetermined Whether Accidental or Purposely Inflicted	3	3.9	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	149	194.5	50	172.4	13	131.6	28	197.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (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	5.8	0	0.0	1	10.5
Total Deaths, All Causes	185	14.4	203	12.0	95	13.7	123	13.7
--Deaths Under One Year	0	0.0	5	29.1	1	13.5	1	10.5
--Deaths Under 28 Days	0	0.0	3	17.4	0	0.0	1	10.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	6	46.6	6	35.6	1	14.4	6	66.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	34	264.1	41	243.2	22	317.6	21	234.1
--of Digestive Organs	10	77.7	5	29.7	5	72.2	4	44.6
----Colon	5	38.8	0	0.0	1	14.4	1	11.1
----Pancreas	2	15.5	2	11.9	1	14.4	0	0.0
--of Respiratory and Intrathoracic Organs	10	77.7	13	77.1	9	129.9	8	89.2
----Trachea, Bronchus and Lung	9	69.9	12	71.2	8	115.5	8	89.2
--of Breast	1	7.8	2	11.9	1	14.4	1	11.1
--of Genitourinary Organs	1	7.8	6	35.6	3	43.3	1	11.1
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	11.1
----Ovary	0	0.0	1	5.9	1	14.4	0	0.0
----Prostate	0	0.0	1	5.9	0	0.0	0	0.0
----Bladder	1	7.8	0	0.0	1	14.4	0	0.0
--All Other (Malignant Neoplasms)	12	93.2	15	89.0	4	57.8	7	78.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	7.8	2	11.9	0	0.0	1	11.1
Diabetes Mellitus	8	62.2	10	59.3	4	57.8	3	33.4
Dementia	13	101.0	6	35.6	3	43.3	3	33.4
Alzheimer's Disease	5	38.8	7	41.5	5	72.2	4	44.6
Major Cardiovascular Disease	60	466.1	66	391.5	24	346.5	25	278.6
--Diseases of the Heart	43	334.1	48	284.7	19	274.3	23	256.4
----Ischemic Heart Disease	30	233.1	34	201.7	12	173.3	15	167.2
--Essential Hypertension and Hypertensive Renal Disease	2	15.5	2	11.9	0	0.0	0	0.0
--Cerebrovascular Diseases (Stroke)	13	101.0	9	53.4	5	72.2	1	11.1
--Arteriosclerosis	0	0.0	7	41.5	0	0.0	1	11.1
--Other Diseases of Arteries, Arterioles and Capillaries	2	15.5	0	0.0	0	0.0	0	0.0
Influenza and Pneumonia	2	15.5	2	11.9	0	0.0	6	66.9
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	2	15.5	2	11.9	0	0.0	6	66.9
Chronic Lower Respiratory Diseases	11	85.5	14	83.0	6	86.6	11	122.6
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	1	7.8	1	5.9	0	0.0	3	33.4
--Coal Worker's Pneumoconiosis	1	7.8	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	31.1	5	29.7	1	14.4	3	33.4
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	0	0.0	2	28.9	1	11.1
Congenital Malformations	0	0.0	2	11.9	0	0.0	1	11.1
Ill-Defined and Unknown Causes of Death	3	23.3	3	17.8	1	14.4	5	55.7
Accidents, All Forms	11	85.5	8	47.5	3	43.3	10	111.5
--Motor Vehicle	1	7.8	2	11.9	1	14.4	4	44.6
--Falls	1	7.8	0	0.0	1	14.4	5	55.7
--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	8	62.2	1	5.9	1	14.4	1	11.1
--Other Accidents	1	7.8	5	29.7	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	3	23.3	3	17.8	4	57.8	2	22.3
Assault (Homicide)	0	0.0	0	0.0	1	14.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	7.8	0	0.0	1	14.4	0	0.0
All Other Causes (Residual)	22	170.9	27	160.2	17	245.5	18	200.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Upshur		Wayne		Webster		Wetzel	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	3.4	2	4.7	0	0.0	1	5.9
Total Deaths, All Causes	308	12.5	506	12.5	117	13.5	196	12.5
--Deaths Under One Year	1	3.4	4	9.3	1	11.4	0	0.0
--Deaths Under 28 Days	1	3.4	1	2.3	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	12.2	13	32.1	2	23.1	3	19.2
Human Immunodeficiency Virus Infection	1	4.1	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	66	267.7	99	244.3	27	312.3	38	243.0
--of Digestive Organs	14	56.8	22	54.3	6	69.4	6	38.4
----Colon	4	16.2	10	24.7	3	34.7	3	19.2
----Pancreas	5	20.3	5	12.3	2	23.1	1	6.4
--of Respiratory and Intrathoracic Organs	21	85.2	33	81.4	9	104.1	17	108.7
----Trachea, Bronchus and Lung	19	77.1	32	79.0	9	104.1	17	108.7
--of Breast	6	24.3	8	19.7	2	23.1	2	12.8
--of Genitourinary Organs	11	44.6	16	39.5	3	34.7	3	19.2
----Cervix Uteri	1	4.1	1	2.5	0	0.0	0	0.0
----Ovary	2	8.1	3	7.4	0	0.0	1	6.4
----Prostate	2	8.1	4	9.9	1	11.6	1	6.4
----Bladder	3	12.2	5	12.3	1	11.6	0	0.0
--All Other (Malignant Neoplasms)	14	56.8	20	49.3	7	81.0	10	63.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	4	16.2	1	2.5	0	0.0	0	0.0
Diabetes Mellitus	5	20.3	20	49.3	3	34.7	6	38.4
Dementia	13	52.7	18	44.4	7	81.0	6	38.4
Alzheimer's Disease	10	40.6	15	37.0	5	57.8	12	76.7
Major Cardiovascular Disease	104	421.8	124	305.9	30	347.0	58	370.8
--Diseases of the Heart	82	332.5	93	229.5	23	266.0	42	268.5
----Ischemic Heart Disease	54	219.0	57	140.6	16	185.1	29	185.4
--Essential Hypertension and Hypertensive Renal Disease	3	12.2	6	14.8	1	11.6	1	6.4
--Cerebrovascular Diseases (Stroke)	17	68.9	19	46.9	6	69.4	14	89.5
--Arteriosclerosis	0	0.0	2	4.9	0	0.0	1	6.4
--Other Diseases of Arteries, Arterioles and Capillaries	2	8.1	4	9.9	0	0.0	0	0.0
Influenza and Pneumonia	2	8.1	4	9.9	2	23.1	7	44.8
--Influenza	1	4.1	1	2.5	0	0.0	0	0.0
--Pneumonia	1	4.1	3	7.4	2	23.1	7	44.8
Chronic Lower Respiratory Diseases	29	117.6	43	106.1	9	104.1	12	76.7
--Bronchitis, Emphysema and Asthma	1	4.1	4	9.9	0	0.0	1	6.4
Lung Diseases due to External Agents	1	4.1	5	12.3	2	23.1	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	5	20.3	7	17.3	4	46.3	2	12.8
Nephritis, Nephrotic Syndrome and Nephrosis	6	24.3	10	24.7	2	23.1	7	44.8
Congenital Malformations	1	4.1	4	9.9	1	11.6	1	6.4
Ill-Defined and Unknown Causes of Death	5	20.3	16	39.5	3	34.7	6	38.4
Accidents, All Forms	13	52.7	67	165.3	8	92.5	9	57.5
--Motor Vehicle	5	20.3	8	19.7	3	34.7	1	6.4
--Falls	3	12.2	15	37.0	2	23.1	3	19.2
--Drownings	2	8.1	1	2.5	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	2	4.9	0	0.0	1	6.4
--Poisonings	2	8.1	34	83.9	3	34.7	3	19.2
--Other Accidents	1	4.1	7	17.3	0	0.0	1	6.4
Intentional Self-Harm (Suicide)	5	20.3	5	12.3	1	11.6	2	12.8
Assault (Homicide)	1	4.1	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	1	11.6	0	0.0
All Other Causes (Residual)	34	137.9	55	135.7	10	115.7	27	172.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2016  
Table 67 (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	1	18.2	5	5.3	2	10.2	96	5.0
Total Deaths, All Causes	56	9.6	1,108	12.9	313	14.4	22,721	12.4
--Deaths Under One Year	0	0.0	8	8.5	1	5.1	139	7.3
--Deaths Under 28 Days	0	0.0	4	4.2	1	5.1	84	4.4
Tuberculosis	0	0.0	0	0.0	0	0.0	2	0.1
Septicemia	3	51.7	16	18.7	8	36.8	360	19.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	15	0.8
Malignant Neoplasms	13	223.9	215	251.0	62	284.9	4,651	254.0
--of Digestive Organs	3	51.7	62	72.4	12	55.1	1,117	61.0
----Colon	2	34.4	28	32.7	2	9.2	380	20.8
----Pancreas	0	0.0	12	14.0	0	0.0	263	14.4
--of Respiratory and Intrathoracic Organs	3	51.7	68	79.4	22	101.1	1,442	78.8
----Trachea, Bronchus and Lung	3	51.7	67	78.2	21	96.5	1,391	76.0
--of Breast	0	0.0	12	14.0	4	18.4	293	16.0
--of Genitourinary Organs	3	51.7	21	24.5	9	41.4	648	35.4
----Cervix Uteri	0	0.0	1	1.2	0	0.0	38	2.1
----Ovary	1	17.2	3	3.5	1	4.6	100	5.5
----Prostate	0	0.0	8	9.3	3	13.8	203	11.1
----Bladder	1	17.2	5	5.8	1	4.6	122	6.7
--All Other (Malignant Neoplasms)	4	68.9	52	60.7	15	68.9	1,151	62.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	17.2	7	8.2	1	4.6	123	6.7
Diabetes Mellitus	2	34.4	38	44.4	14	64.3	859	46.9
Dementia	1	17.2	56	65.4	9	41.4	901	49.2
Alzheimer's Disease	1	17.2	43	50.2	3	13.8	783	42.8
Major Cardiovascular Disease	17	292.8	315	367.8	79	363.0	6,354	347.0
--Diseases of the Heart	15	258.4	232	270.9	67	307.9	4,762	260.1
----Ischemic Heart Disease	11	189.5	150	175.1	50	229.7	3,148	171.9
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	13	15.2	2	9.2	290	15.8
--Cerebrovascular Diseases (Stroke)	1	17.2	60	70.1	8	36.8	1,038	56.7
--Arteriosclerosis	1	17.2	3	3.5	0	0.0	100	5.5
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	7	8.2	2	9.2	164	9.0
Influenza and Pneumonia	2	34.4	22	25.7	1	4.6	421	23.0
--Influenza	0	0.0	0	0.0	0	0.0	30	1.6
--Pneumonia	2	34.4	22	25.7	1	4.6	391	21.4
Chronic Lower Respiratory Diseases	4	68.9	69	80.6	26	119.5	1,595	87.1
--Bronchitis, Emphysema and Asthma	0	0.0	4	4.7	4	18.4	90	4.9
Lung Diseases due to External Agents	0	0.0	4	4.7	6	27.6	184	10.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	4	18.4	19	1.0
Chronic Liver Disease and Cirrhosis	0	0.0	16	18.7	2	9.2	311	17.0
Nephritis, Nephrotic Syndrome and Nephrosis	2	34.4	19	22.2	2	9.2	476	26.0
Congenital Malformations	0	0.0	4	4.7	1	4.6	87	4.8
Ill-Defined and Unknown Causes of Death	1	17.2	29	33.9	1	4.6	436	23.8
Accidents, All Forms	4	68.9	81	94.6	30	137.8	1,706	93.2
--Motor Vehicle	1	17.2	8	9.3	5	23.0	297	16.2
--Falls	2	34.4	18	21.0	7	32.2	323	17.6
--Drownings	0	0.0	3	3.5	2	9.2	31	1.7
--Smoke, Fires and Flames	0	0.0	1	1.2	0	0.0	35	1.9
--Poisonings	1	17.2	43	50.2	15	68.9	847	46.3
--Other Accidents	0	0.0	8	9.3	1	4.6	173	9.4
Intentional Self-Harm (Suicide)	1	17.2	14	16.3	6	27.6	363	19.8
Assault (Homicide)	0	0.0	3	3.5	1	4.6	110	6.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	4	4.7	2	9.2	66	3.6
All Other Causes (Residual)	4	68.9	153	178.6	59	271.1	2,918	159.4

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*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 County of Occurrence  
Male-Female, Same-Sex and All Marriages  
West Virginia, 2016  
Table 68

County	Male-Female Marriages	Same-Sex Marriages	All Marriages	County	Male-Female Marriages	Same-Sex Marriages	All Marriages
Barbour	88	4	92	Monongalia	584	19	603
Berkeley	625	22	647	Monroe	74	0	74
Boone	153	2	155	Morgan	117	2	119
Braxton	91	0	91	Nicholas	173	3	176
Brooke	112	1	113	Ohio	271	10	281
Cabell	712	40	752	Pendleton	43	0	43
Calhoun	50	0	50	Pleasants	52	4	56
Clay	66	0	66	Pocahontas	59	0	59
Doddridge	53	0	53	Preston	175	2	177
Fayette	284	5	289	Putnam	320	7	327
Gilmer	56	0	56	Raleigh	463	8	471
Grant	68	0	68	Randolph	166	3	169
Greenbrier	236	8	244	Ritchie	59	0	59
Hampshire	89	1	90	Roane	93	0	93
Hancock	148	4	152	Summers	69	1	70
Hardy	102	3	105	Taylor	97	3	100
Harrison	418	6	424	Tucker	46	2	48
Jackson	175	3	178	Tyler	50	1	51
Jefferson	314	12	326	Upshur	164	2	166
Kanawha	1,228	52	1,280	Wayne	216	5	221
Lewis	96	1	97	Webster	60	2	62
Lincoln	155	1	156	Wetzel	85	1	86
Logan	246	2	248	Wirt	35	0	35
McDowell	116	1	117	Wood	577	15	592
Marion	360	11	371	Wyoming	128	3	131
Marshall	214	5	219				
Mason	147	0	147				
Mercer	428	16	444	Total	11,364	300	11,664
Mineral	177	3	180				
Mingo	181	4	185				

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

All Marriages by Month of Occurrence  
West Virginia by County, 2016  
Table 69

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	4	6	3	6	6	17	7	15	8	10	4	6	92
Berkeley	19	24	26	52	73	75	59	73	75	90	41	40	647
Boone	6	6	12	14	19	17	16	10	11	21	9	14	155
Braxton	8	3	9	5	10	6	10	7	9	11	7	6	91
Brooke	1	6	5	7	11	15	15	7	14	18	5	9	113
Cabell	35	48	48	55	84	93	65	78	71	83	43	49	752
Calhoun	1	6	2	7	5	5	7	4	2	4	2	5	50
Clay	3	5	2	7	12	3	3	7	5	10	6	3	66
Doddridge	0	4	0	4	5	7	4	2	6	11	3	7	53
Fayette	11	15	21	20	35	28	35	33	35	30	14	12	289
Gilmer	5	2	0	7	4	4	6	3	7	13	2	3	56
Grant	1	2	5	5	2	8	8	5	12	12	5	3	68
Greenbrier	8	12	9	22	25	33	35	24	29	23	7	17	244
Hampshire	2	3	1	8	5	9	12	11	12	18	7	2	90
Hancock	3	10	5	14	17	17	19	19	16	15	9	8	152
Hardy	1	3	4	8	17	13	12	9	16	14	5	3	105
Harrison	10	23	22	28	44	47	58	49	47	50	25	21	424
Jackson	4	6	9	15	13	17	19	14	28	28	13	12	178
Jefferson	13	13	14	27	36	39	20	24	38	62	17	23	326
Kanawha	41	73	68	103	154	143	142	94	128	166	79	89	1,280
Lewis	2	7	3	5	11	11	10	13	11	14	4	6	97
Lincoln	7	7	10	15	11	23	15	9	24	20	10	5	156
Logan	16	20	19	17	27	29	37	15	16	24	18	10	248
McDowell	9	4	8	14	8	10	8	9	11	11	15	10	117
Marion	10	19	20	24	38	44	48	40	47	35	17	29	371
Marshall	12	6	13	13	19	28	26	23	26	30	12	11	219
Mason	6	7	11	13	14	16	11	8	22	22	4	13	147
Mercer	14	29	32	30	41	57	58	40	46	46	23	28	444
Mineral	1	9	4	13	20	26	20	18	21	27	7	14	180
Mingo	7	11	12	16	21	23	27	18	10	18	12	10	185
Monongalia	14	14	34	42	70	74	88	71	63	72	35	26	603
Monroe	2	2	4	3	7	11	13	6	6	13	3	4	74
Morgan	3	5	5	8	11	13	11	12	16	17	6	12	119
Nicholas	5	11	10	14	21	16	29	17	16	17	9	11	176
Ohio	12	14	7	11	32	40	31	34	39	36	14	11	281
Pendleton	1	3	1	3	1	4	10	8	6	5	1	0	43
Pleasants	4	2	1	4	6	8	3	4	8	9	4	3	56
Pocahontas	0	2	6	4	5	5	8	9	11	5	1	3	59
Preston	2	6	9	15	24	25	23	22	15	20	4	12	177
Putnam	9	12	14	28	37	39	37	25	32	45	18	31	327
Raleigh	18	34	26	38	41	60	58	45	44	50	26	31	471
Randolph	6	9	6	12	12	26	29	24	15	19	5	6	169
Ritchie	3	4	6	6	4	9	5	4	5	11	2	0	59
Roane	2	1	5	7	9	3	18	9	11	14	5	9	93
Summers	2	3	4	4	9	9	5	6	7	12	6	3	70
Taylor	5	4	3	1	11	10	11	13	12	14	10	6	100
Tucker	1	2	3	2	3	8	7	5	4	5	4	4	48
Tyler	1	2	0	2	8	4	6	2	6	9	7	4	51
Upshur	2	5	10	18	14	23	14	18	17	27	11	7	166
Wayne	9	12	14	16	20	22	26	18	24	23	18	19	221
Webster	1	6	9	4	7	6	8	6	2	6	2	5	62
Wetzel	2	3	4	8	8	9	15	7	8	16	3	3	86
Wirt	3	1	1	1	4	5	4	4	5	6	0	1	35
Wood	28	30	33	49	60	67	72	48	51	71	35	48	592
Wyoming	1	8	4	5	11	14	18	11	18	18	13	10	131
Total	396	584	616	879	1,222	1,373	1,361	1,109	1,244	1,476	667	737	11,664

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Male-Female Marriages by Month of Occurrence  
West Virginia by County, 2016  
Table 70

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	4	6	3	6	5	16	6	14	8	10	4	6	88
Berkeley	17	23	25	50	71	72	55	71	72	89	40	40	625
Boone	4	6	12	14	19	17	16	10	11	21	9	14	153
Braxton	8	3	9	5	10	6	10	7	9	11	7	6	91
Brooke	1	6	5	7	11	14	15	7	14	18	5	9	112
Cabell	34	46	44	53	77	88	63	75	67	78	42	45	712
Calhoun	1	6	2	7	5	5	7	4	2	4	2	5	50
Clay	3	5	2	7	12	3	3	7	5	10	6	3	66
Doddridge	0	4	0	4	5	7	4	2	6	11	3	7	53
Fayette	11	15	21	20	35	28	35	33	34	26	14	12	284
Gilmer	5	2	0	7	4	4	6	3	7	13	2	3	56
Grant	1	2	5	5	2	8	8	5	12	12	5	3	68
Greenbrier	8	12	8	22	25	30	34	24	28	23	6	16	236
Hampshire	2	3	1	8	5	9	11	11	12	18	7	2	89
Hancock	3	10	5	12	17	16	19	19	16	14	9	8	148
Hardy	1	3	4	8	17	12	12	8	15	14	5	3	102
Harrison	9	23	21	28	44	47	58	48	47	49	23	21	418
Jackson	4	6	9	15	13	16	18	14	28	28	12	12	175
Jefferson	12	13	14	26	35	38	18	24	37	59	16	22	314
Kanawha	38	72	65	102	149	137	135	90	123	162	69	86	1,228
Lewis	2	7	3	5	11	11	10	12	11	14	4	6	96
Lincoln	7	7	10	15	11	23	14	9	24	20	10	5	155
Logan	16	20	19	17	27	28	36	15	16	24	18	10	246
McDowell	9	4	8	14	7	10	8	9	11	11	15	10	116
Marion	10	19	19	23	36	44	45	40	45	35	16	28	360
Marshall	12	6	13	12	19	27	26	23	25	30	10	11	214
Mason	6	7	11	13	14	16	11	8	22	22	4	13	147
Mercer	14	27	30	29	40	54	57	38	45	46	21	27	428
Mineral	1	8	4	13	20	26	20	18	19	27	7	14	177
Mingo	7	11	10	16	21	23	27	17	9	18	12	10	181
Monongalia	13	14	33	41	70	72	87	69	58	72	32	23	584
Monroe	2	2	4	3	7	11	13	6	6	13	3	4	74
Morgan	3	5	5	8	11	13	11	11	16	16	6	12	117
Nicholas	5	11	10	14	21	15	29	16	16	17	8	11	173
Ohio	11	13	6	9	32	40	31	33	35	36	14	11	271
Pendleton	1	3	1	3	1	4	10	8	6	5	1	0	43
Pleasants	2	2	1	4	6	8	3	4	7	8	4	3	52
Pocahontas	0	2	6	4	5	5	8	9	11	5	1	3	59
Preston	2	6	9	15	23	25	23	22	15	20	4	11	175
Putnam	9	11	12	26	37	39	37	24	32	45	18	30	320
Raleigh	17	33	26	37	39	59	58	45	44	49	25	31	463
Randolph	6	8	6	12	11	26	28	24	15	19	5	6	166
Ritchie	3	4	6	6	4	9	5	4	5	11	2	0	59
Roane	2	1	5	7	9	3	18	9	11	14	5	9	93
Summers	2	3	4	4	8	9	5	6	7	12	6	3	69
Taylor	4	4	3	1	11	9	11	13	12	13	10	6	97
Tucker	1	2	3	2	3	8	7	5	4	5	3	3	46
Tyler	1	2	0	2	8	4	6	2	6	9	6	4	50
Upshur	2	5	10	18	14	22	14	18	17	26	11	7	164
Wayne	8	12	14	16	19	22	25	18	24	22	17	19	216
Webster	1	5	9	3	7	6	8	6	2	6	2	5	60
Wetzel	2	3	4	8	8	9	14	7	8	16	3	3	85
Wirt	3	1	1	1	4	5	4	4	5	6	0	1	35
Wood	28	29	32	49	57	66	70	47	51	70	34	44	577
Wyoming	1	8	4	5	10	14	18	10	18	17	13	10	128
Total	379	571	596	861	1,192	1,338	1,330	1,085	1,211	1,449	636	716	11,364

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Number of Marriages by County  
West Virginia, 2012-2016  
Table 71

County	2012	2013	2014	2015	2016	County	2012	2013	2014	2015	2016
Barbour	120	105	94	93	92	Monongalia	662	663	688	695	603
Berkeley	618	666	631	634	647	Monroe	78	78	75	81	74
Boone	176	183	151	160	155	Morgan	101	104	106	102	119
Braxton	117	79	70	79	91	Nicholas	237	223	192	162	176
Brooke	169	124	133	132	113	Ohio	348	305	339	345	281
Cabell	670	634	765	808	752	Pendleton	46	37	45	37	43
Calhoun	55	46	51	44	50	Pleasants	61	60	54	67	56
Clay	76	67	70	66	66	Pocahontas	54	57	65	58	59
Doddridge	52	35	56	62	53	Preston	210	182	203	169	177
Fayette	373	306	315	325	289	Putnam	348	344	344	364	327
Gilmer	51	45	42	48	56	Raleigh	620	567	524	498	471
Grant	68	71	84	70	68	Randolph	224	205	197	184	169
Greenbrier	268	199	210	233	244	Ritchie	61	54	66	83	59
Hampshire	106	100	98	101	90	Roane	106	115	96	112	93
Hancock	194	205	185	161	152	Summers	82	83	87	69	70
Hardy	96	88	108	101	105	Taylor	121	107	92	104	100
Harrison	471	497	489	486	424	Tucker	68	69	64	64	48
Jackson	209	207	219	223	178	Tyler	43	71	61	49	51
Jefferson	277	325	295	338	326	Upshur	213	199	163	187	166
Kanawha	1,367	1,324	1,245	1,194	1,280	Wayne	234	202	220	217	221
Lewis	117	131	136	116	97	Webster	79	66	71	59	62
Lincoln	144	151	139	123	156	Wetzel	110	112	99	89	86
Logan	281	235	296	300	248	Wirt	28	43	47	40	35
McDowell	205	134	120	135	117	Wood	667	633	635	653	592
Marion	399	381	435	408	371	Wyoming	195	165	158	153	131
Marshall	240	256	243	223	219						
Mason	168	172	168	179	147						
Mercer	525	482	493	462	444	Total	12,996	12,382	12,356	12,296	11,664
Mineral	151	175	156	165	180						
Mingo	237	215	168	186	185						

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Note: All marriages regardless of gender.

Divorces and Annulments by County of Occurrence  
West Virginia, 2016  
Table 72

County	Number of Divorces	Number of Annulments	Total	County	Number of Divorces	Number of Annulments	Total
Barbour	0	0	0	Monongalia	167	0	167
Berkeley	398	0	398	Monroe	45	0	45
Boone	14	0	14	Morgan	59	0	59
Braxton	55	0	55	Nicholas	125	0	125
Brooke	85	0	85	Ohio	110	0	110
Cabell	384	0	384	Pendleton	31	0	31
Calhoun	31	1	32	Pleasants	26	0	26
Clay	58	0	58	Pocahontas	27	1	28
Doddridge	30	1	31	Preston	97	0	97
Fayette	188	1	189	Putnam	274	0	274
Gilmer	26	0	26	Raleigh	404	1	405
Grant	60	0	60	Randolph	72	1	73
Greenbrier	0	0	0	Ritchie	37	0	37
Hampshire	96	0	96	Roane	81	0	81
Hancock	101	0	101	Summers	49	0	49
Hardy	52	0	52	Taylor	63	0	63
Harrison	252	1	253	Tucker	27	0	27
Jackson	125	0	125	Tyler	37	0	37
Jefferson	145	0	145	Upshur	99	0	99
Kanawha	760	1	761	Wayne	197	0	197
Lewis	74	0	74	Webster	58	0	58
Lincoln	113	1	114	Wetzel	51	0	51
Logan	164	2	166	Wirt	19	0	19
McDowell	97	0	97	Wood	390	0	390
Marion	33	0	33	Wyoming	108	0	108
Marshall	106	0	106				
Mason	113	0	113				
Mercer	373	1	374	Total	6,866	14	6,880
Mineral	129	0	129				
Mingo	151	2	153				

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

Divorces and Annulments by Month of Occurrence  
West Virginia by County, 2016  
Table 73

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	0	0	0	0	0	0	0	0	0	0	0	0	0
Berkeley	24	36	27	39	29	42	38	32	37	17	35	42	398
Boone	0	0	0	0	9	5	0	0	0	0	0	0	14
Braxton	2	9	5	10	4	3	6	3	3	2	1	7	55
Brooke	4	3	9	13	14	12	6	7	3	4	7	3	85
Cabell	25	34	54	42	26	27	25	40	31	32	30	18	384
Calhoun	3	1	1	7	2	3	3	9	2	0	1	0	32
Clay	4	4	1	5	6	4	2	5	7	5	14	1	58
Doddridge	1	6	2	1	3	2	3	4	1	3	4	1	31
Fayette	21	23	19	21	10	16	15	8	19	11	20	6	189
Gilmer	2	2	2	2	0	0	1	1	6	3	3	4	26
Grant	5	5	7	8	4	11	3	1	5	1	3	7	60
Greenbrier	0	0	0	0	0	0	0	0	0	0	0	0	0
Hampshire	8	9	11	11	8	11	7	2	8	9	7	5	96
Hancock	7	7	10	12	6	5	11	11	13	9	4	6	101
Hardy	3	3	3	7	5	4	7	2	1	3	6	8	52
Harrison	21	22	20	19	26	20	21	24	24	23	20	13	253
Jackson	18	14	11	9	11	12	6	4	11	5	9	15	125
Jefferson	10	13	11	12	9	20	11	12	6	14	14	13	145
Kanawha	60	68	68	85	51	81	57	55	61	42	55	78	761
Lewis	6	7	2	8	7	4	7	9	6	8	2	8	74
Lincoln	6	17	6	6	15	6	3	7	24	5	11	8	114
Logan	11	25	20	15	11	15	9	19	1	15	10	15	166
McDowell	11	6	15	8	6	8	13	5	6	0	10	9	97
Marion	14	18	1	0	0	0	0	0	0	0	0	0	33
Marshall	7	10	13	12	7	3	4	17	8	10	6	9	106
Mason	7	6	11	7	5	13	12	6	16	9	5	16	113
Mercer	33	19	43	19	30	30	36	39	43	26	23	33	374
Mineral	7	13	21	11	4	11	11	3	9	13	6	20	129
Mingo	10	9	14	10	4	19	8	11	29	21	5	13	153
Monongalia	21	0	0	24	0	15	22	26	33	24	0	2	167
Monroe	1	8	8	0	0	6	4	2	1	4	2	9	45
Morgan	3	0	0	5	4	14	4	5	7	4	4	9	59
Nicholas	10	12	7	19	11	9	12	12	9	12	8	4	125
Ohio	9	13	11	14	8	12	10	13	12	2	4	2	110
Pendleton	2	1	4	0	1	2	5	4	0	3	4	5	31
Pleasants	2	1	3	4	2	1	1	3	1	2	2	4	26
Pocahontas	3	1	6	2	6	4	1	1	1	0	2	1	28
Preston	5	8	8	10	8	7	5	10	13	7	11	5	97
Putnam	26	25	20	25	16	25	17	31	31	20	22	16	274
Raleigh	41	43	46	48	26	47	18	29	31	26	25	25	405
Randolph	7	3	8	4	5	7	6	5	9	14	4	1	73
Ritchie	1	4	0	1	1	7	2	5	6	4	2	4	37
Roane	9	13	9	13	4	4	7	8	2	6	2	4	81
Summers	7	3	7	5	4	2	1	5	3	6	2	4	49
Taylor	4	5	7	10	4	8	4	13	0	4	0	4	63
Tucker	3	3	5	1	1	3	1	4	2	1	1	2	27
Tyler	4	5	1	6	1	2	6	4	4	1	2	1	37
Upshur	14	5	3	13	5	8	5	5	6	14	3	18	99
Wayne	10	14	22	17	19	24	6	22	12	21	15	15	197
Webster	7	4	6	3	0	7	3	6	1	0	13	8	58
Wetzel	4	3	7	9	3	3	1	1	6	4	9	1	51
Wirt	0	4	2	1	3	1	0	2	1	1	2	2	19
Wood	30	46	55	41	41	28	19	38	33	19	13	27	390
Wyoming	4	18	12	11	10	11	6	5	6	6	10	9	108
Total	557	631	664	685	495	644	491	595	610	495	473	540	6,880

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



Divorces and Annulments by County of Occurrence  
West Virginia, 2012-2016  
Table 74

County	2012	2013	2014	2015	2016	County	2012	2013	2014	2015	2016
Barbour	72	79	69	5	0	Monongalia	241	245	229	223	167
Berkeley	476	436	451	437	398	Monroe	67	63	60	79	45
Boone	142	117	123	85	14	Morgan	67	68	62	38	59
Braxton	62	65	49	40	55	Nicholas	178	179	157	145	125
Brooke	104	106	74	80	85	Ohio	108	128	123	103	110
Cabell	391	422	322	404	384	Pendleton	28	23	38	24	31
Calhoun	34	40	35	41	32	Pleasants	38	40	19	33	26
Clay	63	90	52	67	58	Pocahontas	44	38	28	39	28
Doddridge	33	30	25	33	31	Preston	122	130	131	126	97
Fayette	289	215	212	254	189	Putnam	305	321	257	289	274
Gilmer	34	33	27	20	26	Raleigh	436	431	429	329	405
Grant	54	66	45	50	60	Randolph	86	87	78	56	73
Greenbrier	187	152	102	52	0	Ritchie	54	40	51	42	37
Hampshire	104	90	99	84	96	Roane	57	73	63	72	81
Hancock	160	125	108	105	101	Summers	57	74	66	61	49
Hardy	66	62	73	61	52	Taylor	78	73	76	82	63
Harrison	304	300	238	254	253	Tucker	26	20	31	34	27
Jackson	127	102	86	114	125	Tyler	43	50	35	37	37
Jefferson	248	217	175	169	145	Upshur	138	144	128	131	99
Kanawha	976	918	902	737	761	Wayne	267	235	240	208	197
Lewis	100	80	72	79	74	Webster	57	51	55	47	58
Lincoln	130	134	136	98	114	Wetzel	67	71	64	59	51
Logan	210	216	184	192	166	Wirt	35	30	25	35	19
McDowell	133	69	87	79	97	Wood	468	479	394	434	390
Marion	224	213	239	179	33	Wyoming	162	139	135	149	108
Marshall	156	139	149	119	106						
Mason	121	148	108	142	113						
Mercer	426	366	394	377	374	Total	8,932	8,542	7,785	7,523	6,880
Mineral	98	102	106	90	129						
Mingo	179	178	69	201	153						

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018



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

Number and Rate of Births by City of Residence  
West Virginia, 2016  
Table 75

30 Most Populated Cities	2016 Population Estimate*	Resident Births	Rate per 1,000 Population
Beckley	17,030	161	9.5
Bluefield	10,259	124	12.1
Bridgeport	8,385	89	10.6
Buckhannon	5,652	59	10.4
Charles Town	5,999	60	10.0
Charleston	49,386	524	10.6
Clarksburg	16,032	212	13.2
Dunbar	7,576	73	9.6
Elkins	7,214	84	11.6
Fairmont	18,659	247	13.2
Grafton	5,131	54	10.5
Huntington	48,430	545	11.3
Hurricane	6,566	78	11.9
Keyser	5,190	58	11.2
Martinsburg	17,749	297	16.7
Morgantown	30,912	231	7.5
Moundsville	8,681	84	9.7
New Martinsville	5,179	49	9.5
Nitro	6,555	65	9.9
Oak Hill	8,606	87	10.1
Parkersburg	30,820	395	12.8
Point Pleasant	4,250	43	10.1
Princeton	6,009	70	11.6
Ranson	5,064	71	14.0
Saint Albans	10,608	114	10.7
South Charleston	12,953	153	11.8
Vienna	10,516	102	9.7
Weirton	19,052	150	7.9
Weston	4,071	44	10.8
Wheeling	27,513	257	9.3

\*Census Population Estimates for Incorporated Places in WV

Source: Population Division, U.S. Census Bureau - Release Date: July 1, 2016

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2018

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2016  
Table 76

Selected Causes of Death	Number and Rate by City					
	Beckley		Bluefield		Bridgeport	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	12.4	1	8.1	0	0.0
Total Deaths, All Causes	254	14.9	152	14.8	105	12.5
--Deaths Under One Year	1	6.2	0	0.0	1	11.2
--Deaths Under 28 Days	1	6.2	0	0.0	1	11.2
Tuberculosis	0	0.0	0	0.0	1	11.9
Septicemia	6	35.2	1	9.7	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	40	234.9	36	350.9	23	274.3
--of Digestive Organs	10	58.7	11	107.2	5	59.6
----Colon	4	23.5	3	29.2	0	0.0
----Pancreas	1	5.9	4	39.0	0	0.0
--of Respiratory and Intrathoracic Organs	12	70.5	5	48.7	6	71.6
----Trachea, Bronchus and Lung	11	64.6	3	29.2	6	71.6
--of Breast	2	11.7	2	19.5	2	23.9
--of Genitourinary Organs	8	47.0	3	29.2	3	35.8
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	4	23.5	0	0.0	0	0.0
----Prostate	2	11.7	1	9.7	1	11.9
----Bladder	0	0.0	0	0.0	1	11.9
--All Other (Malignant Neoplasms)	8	47.0	15	146.2	7	83.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	11.7	0	0.0	0	0.0
Diabetes Mellitus	11	64.6	7	68.2	3	35.8
Dementia	8	47.0	5	48.7	6	71.6
Alzheimer's Disease	2	11.7	6	58.5	4	47.7
Major Cardiovascular Disease	83	487.4	35	341.2	34	405.5
--Diseases of the Heart	61	358.2	30	292.4	19	226.6
----Ischemic Heart Disease	46	270.1	15	146.2	14	167.0
--Essential Hypertension and Hypertensive Renal Disease	6	35.2	2	19.5	3	35.8
--Cerebrovascular Diseases (Stroke)	15	88.1	2	19.5	2	23.9
--Arteriosclerosis	0	0.0	0	0.0	10	119.3
--Other Diseases of Arteries, Arterioles and Capillaries	1	5.9	1	9.7	0	0.0
Influenza and Pneumonia	4	23.5	2	19.5	1	11.9
--Influenza	1	5.9	0	0.0	0	0.0
--Pneumonia	3	17.6	2	19.5	1	11.9
Chronic Lower Respiratory Diseases	12	70.5	10	97.5	3	35.8
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	4	23.5	0	0.0	1	11.9
--Coal Worker's Pneumoconiosis	1	5.9	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	2	23.9
Nephritis, Nephrotic Syndrome and Nephrosis	4	23.5	4	39.0	1	11.9
Congenital Malformations	2	11.7	0	0.0	1	11.9
Ill-Defined and Unknown Causes of Death	3	17.6	2	19.5	1	11.9
Accidents, All Forms	24	140.9	12	117.0	5	59.6
--Motor Vehicle	4	23.5	0	0.0	0	0.0
--Falls	9	52.8	3	29.2	2	23.9
--Drownings	1	5.9	0	0.0	0	0.0
--Smoke, Fires and Flames	1	5.9	0	0.0	1	11.9
--Poisonings	8	47.0	8	78.0	2	23.9
--Other Accidents	1	5.9	1	9.7	0	0.0
Intentional Self-Harm (Suicide)	5	29.4	2	19.5	3	35.8
Assault (Homicide)	3	17.6	2	19.5	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	5.9	0	0.0	0	0.0
All Other Causes (Residual)	40	234.9	28	272.9	16	190.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*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, 2016  
Table 76 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Buckhannon		Charles Town		Charleston	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	1	16.7	5	9.5
Total Deaths, All Causes	75	13.3	57	9.5	653	13.2
--Deaths Under One Year	0	0.0	0	0.0	1	1.9
--Deaths Under 28 Days	0	0.0	0	0.0	1	1.9
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	1	17.7	1	16.7	12	24.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	2.0
Malignant Neoplasms	7	123.8	12	200.0	121	245.0
--of Digestive Organs	2	35.4	2	33.3	31	62.8
----Colon	1	17.7	2	33.3	10	20.2
----Pancreas	0	0.0	0	0.0	8	16.2
--of Respiratory and Intrathoracic Organs	2	35.4	6	100.0	32	64.8
----Trachea, Bronchus and Lung	2	35.4	6	100.0	28	56.7
--of Breast	0	0.0	1	16.7	8	16.2
--of Genitourinary Organs	0	0.0	1	16.7	21	42.5
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	1	2.0
----Prostate	0	0.0	0	0.0	11	22.3
----Bladder	0	0.0	0	0.0	4	8.1
--All Other (Malignant Neoplasms)	3	53.1	2	33.3	29	58.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	35.4	0	0.0	3	6.1
Diabetes Mellitus	3	53.1	3	50.0	19	38.5
Dementia	4	70.8	2	33.3	33	66.8
Alzheimer's Disease	2	35.4	0	0.0	33	66.8
Major Cardiovascular Disease	27	477.7	12	200.0	175	354.4
--Diseases of the Heart	19	336.2	8	133.4	130	263.2
----Ischemic Heart Disease	9	159.2	3	50.0	82	166.0
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	0	0.0	11	22.3
--Cerebrovascular Diseases (Stroke)	8	141.5	4	66.7	32	64.8
--Arteriosclerosis	0	0.0	0	0.0	1	2.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	1	2.0
Influenza and Pneumonia	1	17.7	1	16.7	7	14.2
--Influenza	1	17.7	0	0.0	0	0.0
--Pneumonia	0	0.0	1	16.7	7	14.2
Chronic Lower Respiratory Diseases	10	176.9	4	66.7	26	52.6
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	2.0
Lung Diseases due to External Agents	0	0.0	1	16.7	7	14.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	53.1	0	0.0	7	14.2
Nephritis, Nephrotic Syndrome and Nephrosis	1	17.7	0	0.0	15	30.4
Congenital Malformations	0	0.0	0	0.0	2	4.0
Ill-Defined and Unknown Causes of Death	1	17.7	1	16.7	15	30.4
Accidents, All Forms	3	53.1	10	166.7	62	125.5
--Motor Vehicle	1	17.7	0	0.0	9	18.2
--Falls	0	0.0	1	16.7	10	20.2
--Drownings	1	17.7	1	16.7	1	2.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	2.0
--Poisonings	1	17.7	6	100.0	36	72.9
--Other Accidents	0	0.0	2	33.3	5	10.1
Intentional Self-Harm (Suicide)	1	17.7	0	0.0	11	22.3
Assault (Homicide)	0	0.0	0	0.0	7	14.2
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	4.0
All Other Causes (Residual)	9	159.2	10	166.7	95	192.4

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*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, 2016  
Table 76 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Clarksburg		Dunbar		Elkins	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	4.7	0	0.0	0	0.0
Total Deaths, All Causes	234	14.6	123	16.2	90	12.5
--Deaths Under One Year	2	9.4	0	0.0	0	0.0
--Deaths Under 28 Days	1	4.7	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	5	31.2	2	26.4	1	13.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	57	355.5	22	290.4	16	221.8
--of Digestive Organs	9	56.1	5	66.0	3	41.6
----Colon	2	12.5	1	13.2	1	13.9
----Pancreas	3	18.7	2	26.4	0	0.0
--of Respiratory and Intrathoracic Organs	23	143.5	5	66.0	6	83.2
----Trachea, Bronchus and Lung	23	143.5	5	66.0	6	83.2
--of Breast	4	25.0	1	13.2	1	13.9
--of Genitourinary Organs	5	31.2	3	39.6	3	41.6
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	4	25.0	1	13.2	1	13.9
----Prostate	0	0.0	0	0.0	1	13.9
----Bladder	0	0.0	1	13.2	0	0.0
--All Other (Malignant Neoplasms)	16	99.8	8	105.6	3	41.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	12.5	2	26.4	0	0.0
Diabetes Mellitus	4	25.0	8	105.6	4	55.4
Dementia	5	31.2	3	39.6	2	27.7
Alzheimer's Disease	8	49.9	8	105.6	2	27.7
Major Cardiovascular Disease	64	399.2	32	422.4	33	457.4
--Diseases of the Heart	48	299.4	18	237.6	25	346.5
----Ischemic Heart Disease	36	224.6	10	132.0	18	249.5
--Essential Hypertension and Hypertensive Renal Disease	2	12.5	2	26.4	2	27.7
--Cerebrovascular Diseases (Stroke)	6	37.4	11	145.2	4	55.4
--Arteriosclerosis	7	43.7	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	6.2	1	13.2	2	27.7
Influenza and Pneumonia	2	12.5	2	26.4	2	27.7
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	2	12.5	2	26.4	2	27.7
Chronic Lower Respiratory Diseases	21	131.0	4	52.8	9	124.8
--Bronchitis, Emphysema and Asthma	1	6.2	0	0.0	0	0.0
Lung Diseases due to External Agents	1	6.2	1	13.2	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	5	31.2	2	26.4	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	8	49.9	7	92.4	3	41.6
Congenital Malformations	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	8	49.9	3	39.6	1	13.9
Accidents, All Forms	19	118.5	9	118.8	5	69.3
--Motor Vehicle	3	18.7	0	0.0	1	13.9
--Falls	3	18.7	3	39.6	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	12	74.9	6	79.2	4	55.4
--Other Accidents	1	6.2	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	2	12.5	4	52.8	3	41.6
Assault (Homicide)	1	6.2	1	13.2	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	22	137.2	13	171.6	9	124.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*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, 2016  
Table 76 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Fairmont		Grafton		Huntington	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	4.0	0	0.0	3	5.5
Total Deaths, All Causes	271	14.5	82	16.0	705	14.6
--Deaths Under One Year	2	8.1	3	55.6	13	23.9
--Deaths Under 28 Days	1	4.0	2	37.0	9	16.5
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	3	16.1	4	78.0	6	12.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	47	251.9	14	272.9	104	214.7
--of Digestive Organs	14	75.0	0	0.0	32	66.1
----Colon	5	26.8	0	0.0	11	22.7
----Pancreas	3	16.1	0	0.0	8	16.5
--of Respiratory and Intrathoracic Organs	18	96.5	2	39.0	36	74.3
----Trachea, Bronchus and Lung	18	96.5	2	39.0	36	74.3
--of Breast	4	21.4	2	39.0	3	6.2
--of Genitourinary Organs	6	32.2	2	39.0	11	22.7
----Cervix Uteri	0	0.0	0	0.0	1	2.1
----Ovary	0	0.0	0	0.0	0	0.0
----Prostate	3	16.1	1	19.5	2	4.1
----Bladder	1	5.4	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	5	26.8	8	155.9	22	45.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	19.5	3	6.2
Diabetes Mellitus	10	53.6	7	136.4	23	47.5
Dementia	7	37.5	3	58.5	56	115.6
Alzheimer's Disease	9	48.2	4	78.0	24	49.6
Major Cardiovascular Disease	97	519.9	22	428.8	159	328.3
--Diseases of the Heart	80	428.7	19	370.3	108	223.0
----Ischemic Heart Disease	59	316.2	12	233.9	64	132.1
--Essential Hypertension and Hypertensive Renal Disease	8	42.9	1	19.5	11	22.7
--Cerebrovascular Diseases (Stroke)	6	32.2	2	39.0	28	57.8
--Arteriosclerosis	0	0.0	0	0.0	3	6.2
--Other Diseases of Arteries, Arterioles and Capillaries	3	16.1	0	0.0	9	18.6
Influenza and Pneumonia	0	0.0	1	19.5	12	24.8
--Influenza	0	0.0	0	0.0	1	2.1
--Pneumonia	0	0.0	1	19.5	11	22.7
Chronic Lower Respiratory Diseases	24	128.6	4	78.0	44	90.9
--Bronchitis, Emphysema and Asthma	1	5.4	0	0.0	1	2.1
Lung Diseases due to External Agents	2	10.7	1	19.5	5	10.3
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	10.7	2	39.0	11	22.7
Nephritis, Nephrotic Syndrome and Nephrosis	2	10.7	0	0.0	19	39.2
Congenital Malformations	1	5.4	0	0.0	2	4.1
Ill-Defined and Unknown Causes of Death	2	10.7	2	39.0	19	39.2
Accidents, All Forms	18	96.5	3	58.5	94	194.1
--Motor Vehicle	3	16.1	0	0.0	8	16.5
--Falls	8	42.9	0	0.0	11	22.7
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	4	8.3
--Poisonings	6	32.2	1	19.5	66	136.3
--Other Accidents	1	5.4	2	39.0	5	10.3
Intentional Self-Harm (Suicide)	6	32.2	1	19.5	14	28.9
Assault (Homicide)	3	16.1	0	0.0	10	20.6
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	4.1
All Other Causes (Residual)	38	203.7	13	253.4	98	202.4

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2016  
Table 76 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Hurricane		Keyser		Martinsburg	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	3	10.1
Total Deaths, All Causes	57	8.7	74	14.3	231	13.0
--Deaths Under One Year	0	0.0	0	0.0	1	3.4
--Deaths Under 28 Days	0	0.0	0	0.0	1	3.4
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	1	19.3	2	11.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	10	152.3	5	96.3	47	264.8
--of Digestive Organs	4	60.9	2	38.5	13	73.2
----Colon	1	15.2	1	19.3	3	16.9
----Pancreas	1	15.2	1	19.3	5	28.2
--of Respiratory and Intrathoracic Organs	2	30.5	2	38.5	16	90.1
----Trachea, Bronchus and Lung	2	30.5	2	38.5	16	90.1
--of Breast	2	30.5	1	19.3	2	11.3
--of Genitourinary Organs	0	0.0	0	0.0	10	56.3
----Cervix Uteri	0	0.0	0	0.0	1	5.6
----Ovary	0	0.0	0	0.0	1	5.6
----Prostate	0	0.0	0	0.0	3	16.9
----Bladder	0	0.0	0	0.0	3	16.9
--All Other (Malignant Neoplasms)	2	30.5	0	0.0	6	33.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	19.3	1	5.6
Diabetes Mellitus	3	45.7	0	0.0	9	50.7
Dementia	3	45.7	2	38.5	11	62.0
Alzheimer's Disease	3	45.7	3	57.8	7	39.4
Major Cardiovascular Disease	22	335.1	30	578.0	47	264.8
--Diseases of the Heart	21	319.8	20	385.4	38	214.1
----Ischemic Heart Disease	13	198.0	14	269.7	26	146.5
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	2	38.5	2	11.3
--Cerebrovascular Diseases (Stroke)	1	15.2	5	96.3	7	39.4
--Arteriosclerosis	0	0.0	1	19.3	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	38.5	0	0.0
Influenza and Pneumonia	1	15.2	3	57.8	5	28.2
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	1	15.2	3	57.8	5	28.2
Chronic Lower Respiratory Diseases	2	30.5	6	115.6	16	90.1
--Bronchitis, Emphysema and Asthma	0	0.0	1	19.3	0	0.0
Lung Diseases due to External Agents	0	0.0	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	30.5	3	57.8	5	28.2
Nephritis, Nephrotic Syndrome and Nephrosis	2	30.5	1	19.3	10	56.3
Congenital Malformations	0	0.0	0	0.0	1	5.6
Ill-Defined and Unknown Causes of Death	1	15.2	1	19.3	5	28.2
Accidents, All Forms	3	45.7	5	96.3	32	180.3
--Motor Vehicle	1	15.2	1	19.3	4	22.5
--Falls	0	0.0	1	19.3	3	16.9
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	2	30.5	3	57.8	23	129.6
--Other Accidents	0	0.0	0	0.0	2	11.3
Intentional Self-Harm (Suicide)	1	15.2	2	38.5	6	33.8
Assault (Homicide)	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	38.5	1	5.6
All Other Causes (Residual)	4	60.9	9	173.4	26	146.5

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2016  
Table 76 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Morgantown		Moundsville		New Martinsville	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	160	5.2	141	16.2	68	13.1
--Deaths Under One Year	1	4.3	1	11.9	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	2	6.5	1	11.5	1	19.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	34	110.0	28	322.5	8	154.5
--of Digestive Organs	8	25.9	5	57.6	1	19.3
----Colon	3	9.7	1	11.5	0	0.0
----Pancreas	1	3.2	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	11	35.6	8	92.2	4	77.2
----Trachea, Bronchus and Lung	11	35.6	8	92.2	4	77.2
--of Breast	3	9.7	2	23.0	1	19.3
--of Genitourinary Organs	4	12.9	7	80.6	0	0.0
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	1	3.2	2	23.0	0	0.0
----Prostate	2	6.5	1	11.5	0	0.0
----Bladder	0	0.0	1	11.5	0	0.0
--All Other (Malignant Neoplasms)	8	25.9	6	69.1	2	38.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	6.5	0	0.0	0	0.0
Diabetes Mellitus	8	25.9	5	57.6	2	38.6
Dementia	6	19.4	7	80.6	3	57.9
Alzheimer's Disease	3	9.7	7	80.6	8	154.5
Major Cardiovascular Disease	46	148.8	42	483.8	19	366.9
--Diseases of the Heart	39	126.2	32	368.6	14	270.3
----Ischemic Heart Disease	23	74.4	18	207.3	6	115.9
--Essential Hypertension and Hypertensive Renal Disease	1	3.2	1	11.5	0	0.0
--Cerebrovascular Diseases (Stroke)	6	19.4	7	80.6	5	96.5
--Arteriosclerosis	0	0.0	1	11.5	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	11.5	0	0.0
Influenza and Pneumonia	3	9.7	7	80.6	1	19.3
--Influenza	1	3.2	0	0.0	0	0.0
--Pneumonia	2	6.5	7	80.6	1	19.3
Chronic Lower Respiratory Diseases	9	29.1	11	126.7	2	38.6
--Bronchitis, Emphysema and Asthma	0	0.0	1	11.5	0	0.0
Lung Diseases due to External Agents	2	6.5	1	11.5	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	3.2	4	46.1	1	19.3
Nephritis, Nephrotic Syndrome and Nephrosis	1	3.2	1	11.5	1	19.3
Congenital Malformations	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	3.2	3	34.6	1	19.3
Accidents, All Forms	19	61.5	5	57.6	5	96.5
--Motor Vehicle	0	0.0	1	11.5	0	0.0
--Falls	5	16.2	2	23.0	2	38.6
--Drownings	1	3.2	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	19.3
--Poisonings	10	32.3	1	11.5	1	19.3
--Other Accidents	3	9.7	1	11.5	1	19.3
Intentional Self-Harm (Suicide)	1	3.2	0	0.0	0	0.0
Assault (Homicide)	2	6.5	1	11.5	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	3.2	0	0.0	0	0.0
All Other Causes (Residual)	19	61.5	18	207.3	16	308.9

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2016  
Table 76 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Nitro		Oak Hill		Parkersburg	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	1	2.5
Total Deaths, All Causes	114	17.4	118	13.7	469	15.2
--Deaths Under One Year	1	15.4	1	11.5	3	7.6
--Deaths Under 28 Days	1	15.4	1	11.5	1	2.5
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	2	30.5	3	34.9	7	22.7
Human Immunodeficiency Virus Infection	0	0.0	1	11.6	0	0.0
Malignant Neoplasms	20	305.1	21	244.0	84	272.6
--of Digestive Organs	8	122.0	5	58.1	26	84.4
----Colon	0	0.0	2	23.2	10	32.4
----Pancreas	4	61.0	1	11.6	4	13.0
--of Respiratory and Intrathoracic Organs	7	106.8	2	23.2	22	71.4
----Trachea, Bronchus and Lung	7	106.8	2	23.2	21	68.1
--of Breast	0	0.0	2	23.2	6	19.5
--of Genitourinary Organs	1	15.3	4	46.5	10	32.4
----Cervix Uteri	0	0.0	1	11.6	0	0.0
----Ovary	0	0.0	1	11.6	2	6.5
----Prostate	0	0.0	0	0.0	4	13.0
----Bladder	0	0.0	0	0.0	2	6.5
--All Other (Malignant Neoplasms)	4	61.0	8	93.0	20	64.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	11.6	1	3.2
Diabetes Mellitus	4	61.0	6	69.7	16	51.9
Dementia	6	91.5	3	34.9	19	61.6
Alzheimer's Disease	5	76.3	3	34.9	18	58.4
Major Cardiovascular Disease	33	503.4	37	429.9	141	457.5
--Diseases of the Heart	26	396.6	22	255.6	104	337.4
----Ischemic Heart Disease	21	320.4	19	220.8	69	223.9
--Essential Hypertension and Hypertensive Renal Disease	1	15.3	4	46.5	7	22.7
--Cerebrovascular Diseases (Stroke)	6	91.5	9	104.6	25	81.1
--Arteriosclerosis	0	0.0	1	11.6	1	3.2
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	11.6	4	13.0
Influenza and Pneumonia	2	30.5	2	23.2	9	29.2
--Influenza	0	0.0	1	11.6	0	0.0
--Pneumonia	2	30.5	1	11.6	9	29.2
Chronic Lower Respiratory Diseases	8	122.0	10	116.2	28	90.9
--Bronchitis, Emphysema and Asthma	0	0.0	1	11.6	1	3.2
Lung Diseases due to External Agents	0	0.0	1	11.6	1	3.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	30.5	0	0.0	4	13.0
Nephritis, Nephrotic Syndrome and Nephrosis	2	30.5	2	23.2	8	26.0
Congenital Malformations	1	15.3	0	0.0	2	6.5
Ill-Defined and Unknown Causes of Death	1	15.3	1	11.6	12	38.9
Accidents, All Forms	12	183.1	4	46.5	45	146.0
--Motor Vehicle	0	0.0	1	11.6	1	3.2
--Falls	4	61.0	2	23.2	8	26.0
--Drownings	0	0.0	0	0.0	1	3.2
--Smoke, Fires and Flames	0	0.0	0	0.0	1	3.2
--Poisonings	6	91.5	1	11.6	32	103.8
--Other Accidents	2	30.5	0	0.0	2	6.5
Intentional Self-Harm (Suicide)	0	0.0	4	46.5	7	22.7
Assault (Homicide)	0	0.0	0	0.0	1	3.2
Injury Undetermined Whether Accidental or Purposely Inflicted	1	15.3	1	11.6	3	9.7
All Other Causes (Residual)	15	228.8	18	209.2	63	204.4

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Selected Causes of Resident Death: Number and Rate\* by City  
West Virginia, 2016  
Table 76 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Point Pleasant		Princeton		Ranson	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	1	14.1
Total Deaths, All Causes	75	17.6	99	16.5	37	7.3
--Deaths Under One Year	0	0.0	1	14.3	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	1	23.5	2	33.3	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	19.7
Malignant Neoplasms	13	305.9	15	249.6	5	98.7
--of Digestive Organs	2	47.1	4	66.6	0	0.0
----Colon	1	23.5	3	49.9	0	0.0
----Pancreas	0	0.0	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	1	23.5	5	83.2	2	39.5
----Trachea, Bronchus and Lung	1	23.5	5	83.2	2	39.5
--of Breast	3	70.6	0	0.0	0	0.0
--of Genitourinary Organs	1	23.5	2	33.3	0	0.0
----Cervix Uteri	0	0.0	1	16.6	0	0.0
----Ovary	1	23.5	0	0.0	0	0.0
----Prostate	0	0.0	0	0.0	0	0.0
----Bladder	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	6	141.2	4	66.6	3	59.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	23.5	1	16.6	1	19.7
Diabetes Mellitus	2	47.1	7	116.5	1	19.7
Dementia	1	23.5	8	133.1	3	59.2
Alzheimer's Disease	2	47.1	1	16.6	0	0.0
Major Cardiovascular Disease	21	494.1	26	432.7	12	237.0
--Diseases of the Heart	18	423.5	21	349.5	12	237.0
----Ischemic Heart Disease	11	258.8	16	266.3	4	79.0
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	16.6	0	0.0
--Cerebrovascular Diseases (Stroke)	3	70.6	4	66.6	0	0.0
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	0	0.0
Influenza and Pneumonia	1	23.5	1	16.6	1	19.7
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	1	23.5	1	16.6	1	19.7
Chronic Lower Respiratory Diseases	6	141.2	9	149.8	6	118.5
--Bronchitis, Emphysema and Asthma	1	23.5	0	0.0	2	39.5
Lung Diseases due to External Agents	0	0.0	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	47.1	1	16.6	1	19.7
Nephritis, Nephrotic Syndrome and Nephrosis	3	70.6	2	33.3	0	0.0
Congenital Malformations	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	1	16.6	0	0.0
Accidents, All Forms	8	188.2	8	133.1	4	79.0
--Motor Vehicle	2	47.1	2	33.3	0	0.0
--Falls	1	23.5	0	0.0	0	0.0
--Drownings	0	0.0	0	0.0	1	19.7
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	4	94.1	6	99.9	3	59.2
--Other Accidents	1	23.5	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	1	23.5	2	33.3	1	19.7
Assault (Homicide)	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	16.6	0	0.0
All Other Causes (Residual)	13	305.9	14	233.0	1	19.7

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2016  
Table 76 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Saint Albans		South Charleston		Vienna	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	2	13.1	0	0.0
Total Deaths, All Causes	172	16.2	154	11.9	146	13.9
--Deaths Under One Year	1	8.8	4	26.1	0	0.0
--Deaths Under 28 Days	1	8.8	3	19.6	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	2	18.9	2	15.4	0	0.0
Human Immunodeficiency Virus Infection	1	9.4	0	0.0	0	0.0
Malignant Neoplasms	26	245.1	30	231.6	31	294.8
--of Digestive Organs	6	56.6	8	61.8	8	76.1
----Colon	1	9.4	0	0.0	5	47.5
----Pancreas	4	37.7	6	46.3	1	9.5
--of Respiratory and Intrathoracic Organs	4	37.7	8	61.8	11	104.6
----Trachea, Bronchus and Lung	4	37.7	8	61.8	11	104.6
--of Breast	3	28.3	0	0.0	3	28.5
--of Genitourinary Organs	8	75.4	7	54.0	2	19.0
----Cervix Uteri	1	9.4	0	0.0	0	0.0
----Ovary	0	0.0	2	15.4	0	0.0
----Prostate	5	47.1	1	7.7	0	0.0
----Bladder	0	0.0	0	0.0	1	9.5
--All Other (Malignant Neoplasms)	5	47.1	7	54.0	7	66.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	7.7	2	19.0
Diabetes Mellitus	6	56.6	5	38.6	5	47.5
Dementia	9	84.8	3	23.2	11	104.6
Alzheimer's Disease	9	84.8	12	92.6	3	28.5
Major Cardiovascular Disease	50	471.3	35	270.2	41	389.9
--Diseases of the Heart	30	282.8	27	208.4	28	266.3
----Ischemic Heart Disease	16	150.8	15	115.8	14	133.1
--Essential Hypertension and Hypertensive Renal Disease	1	9.4	2	15.4	1	9.5
--Cerebrovascular Diseases (Stroke)	19	179.1	5	38.6	11	104.6
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	7.7	1	9.5
Influenza and Pneumonia	3	28.3	5	38.6	1	9.5
--Influenza	1	9.4	0	0.0	0	0.0
--Pneumonia	2	18.9	5	38.6	1	9.5
Chronic Lower Respiratory Diseases	12	113.1	8	61.8	11	104.6
--Bronchitis, Emphysema and Asthma	1	9.4	0	0.0	0	0.0
Lung Diseases due to External Agents	3	28.3	3	23.2	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	18.9	2	15.4	3	28.5
Nephritis, Nephrotic Syndrome and Nephrosis	3	28.3	7	54.0	6	57.1
Congenital Malformations	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	3	28.3	2	15.4	3	28.5
Accidents, All Forms	18	169.7	9	69.5	5	47.5
--Motor Vehicle	0	0.0	0	0.0	1	9.5
--Falls	10	94.3	4	30.9	2	19.0
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	1	9.4	0	0.0	0	0.0
--Poisonings	7	66.0	2	15.4	2	19.0
--Other Accidents	0	0.0	3	23.2	0	0.0
Intentional Self-Harm (Suicide)	2	18.9	2	15.4	3	28.5
Assault (Homicide)	0	0.0	1	7.7	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	7.7	0	0.0
All Other Causes (Residual)	23	216.8	26	200.7	21	199.7

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*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, 2016  
Table 76 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Weirton		Weston		Wheeling	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	1	3.9
Total Deaths, All Causes	298	15.6	59	14.5	416	15.1
--Deaths Under One Year	1	6.7	0	0.0	2	7.8
--Deaths Under 28 Days	0	0.0	0	0.0	1	3.9
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	6	31.5	0	0.0	3	10.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	48	251.9	14	343.9	82	298.0
--of Digestive Organs	7	36.7	4	98.3	20	72.7
----Colon	1	5.2	4	98.3	6	21.8
----Pancreas	2	10.5	0	0.0	2	7.3
--of Respiratory and Intrathoracic Organs	10	52.5	3	73.7	23	83.6
----Trachea, Bronchus and Lung	10	52.5	3	73.7	23	83.6
--of Breast	3	15.7	1	24.6	7	25.4
--of Genitourinary Organs	10	52.5	3	73.7	10	36.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	1	5.2	1	24.6	0	0.0
----Prostate	2	10.5	0	0.0	5	18.2
----Bladder	0	0.0	1	24.6	5	18.2
--All Other (Malignant Neoplasms)	18	94.5	3	73.7	22	80.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	5.2	0	0.0	4	14.5
Diabetes Mellitus	5	26.2	2	49.1	14	50.9
Dementia	10	52.5	3	73.7	30	109.0
Alzheimer's Disease	4	21.0	2	49.1	14	50.9
Major Cardiovascular Disease	103	540.6	17	417.6	121	439.8
--Diseases of the Heart	85	446.1	10	245.6	86	312.6
----Ischemic Heart Disease	57	299.2	8	196.5	53	192.6
--Essential Hypertension and Hypertensive Renal Disease	2	10.5	2	49.1	4	14.5
--Cerebrovascular Diseases (Stroke)	13	68.2	5	122.8	24	87.2
--Arteriosclerosis	0	0.0	0	0.0	2	7.3
--Other Diseases of Arteries, Arterioles and Capillaries	3	15.7	0	0.0	5	18.2
Influenza and Pneumonia	14	73.5	1	24.6	9	32.7
--Influenza	0	0.0	0	0.0	2	7.3
--Pneumonia	14	73.5	1	24.6	7	25.4
Chronic Lower Respiratory Diseases	19	99.7	4	98.3	32	116.3
--Bronchitis, Emphysema and Asthma	2	10.5	0	0.0	2	7.3
Lung Diseases due to External Agents	4	21.0	0	0.0	4	14.5
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	5	26.2	0	0.0	3	10.9
Nephritis, Nephrotic Syndrome and Nephrosis	10	52.5	1	24.6	8	29.1
Congenital Malformations	1	5.2	0	0.0	2	7.3
Ill-Defined and Unknown Causes of Death	18	94.5	1	24.6	7	25.4
Accidents, All Forms	9	47.2	2	49.1	24	87.2
--Motor Vehicle	0	0.0	0	0.0	2	7.3
--Falls	3	15.7	2	49.1	9	32.7
--Drownings	0	0.0	0	0.0	1	3.6
--Smoke, Fires and Flames	0	0.0	0	0.0	3	10.9
--Poisonings	6	31.5	0	0.0	8	29.1
--Other Accidents	0	0.0	0	0.0	1	3.6
Intentional Self-Harm (Suicide)	2	10.5	1	24.6	4	14.5
Assault (Homicide)	0	0.0	0	0.0	1	3.6
Injury Undetermined Whether Accidental or Purposely Inflicted	1	5.2	0	0.0	1	3.6
All Other Causes (Residual)	38	199.5	11	270.2	53	192.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018

\*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 2016 and filed in the state office of vital statistics prior to February 18, 2017. Vital events occurring to West Virginia residents in other states and tabulated by June 1, 2017, are also included in totals by residence.

### Place of Residence vs. Place of Occurrence

Statistics on vital events can be reported in two ways: by place of residence or by place of occurrence. For example, 1,061 births occurred within the geographic confines of Berkeley County of which only so many were to mothers who reside in Berkeley County; the remainder resides in other counties or states. Resident births for the county for 2016 totaled 1,395 which include 839 births that occurred in Berkeley County and 556 births to Berkeley County residents that occurred elsewhere. With the exception of Tables 11, 12, 13, 14, 16, 52 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 60, 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 73 in the summary has the number of infant deaths by race of infant.

### Geographic Classification

The state has been used as the basic unit of tabulation throughout this report however, statistics have been provided at the county and city level as appropriate.

## 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 163, "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 2016 population estimated figures from the U.S. Department of Commerce, Bureau of the Census. This can be found on the <http://www.census.gov/popest/data/index.html>. Detailed population figures are stored under American FactFinder.

### 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  
Email: [dhhvritadata@wv.gov](mailto:dhhvritadata@wv.gov)

## APPENDIX B (Cont'd) RATES AND RATIOS

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

Rates used in this report are calculated with the estimated 2016 population figures from the U.S. Department of Commerce, Bureau of the Census.

Birth Rate (Crude) =	$\frac{\text{Number of live births}}{\text{Population}}$	X	1,000
Fertility Rate =	$\frac{\text{Number of live births to women aged 15-44}}{\text{Number of women aged 15-44}}$	X	1,000
Teenage Fertility Rate =	$\frac{\text{Number of live births to women aged 15-19}}{\text{Number of women aged 15-19}}$	X	1,000
Death Rate (Crude) =	$\frac{\text{Number of deaths}}{\text{Population}}$	X	1,000
Cause of Death Rate =	$\frac{\text{Number of deaths from a stated cause}}{\text{Population}}$	X	100,000
Infant Death Rate =	$\frac{\text{Number of infant deaths}}{\text{Number of live births}}$	X	1,000
Neonatal Death Rate =	$\frac{\text{Number of neonatal deaths}}{\text{Number of live births}}$	X	1,000
Fetal Death Ratio =	$\frac{\text{Number of fetal deaths}}{\text{Number of live births}}$	X	1,000
Maternal Death Rate =	$\frac{\text{Number of maternal deaths}}{\text{Number of live births}}$	X	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.

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.

## APPENDIX B (Cont'd)

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.

Male-Female Marriage - For the purpose of this publication and reporting of marriages, where the groom is a male who is marrying a female bride.

Same-Sex Marriage - For the purpose of this publication and reporting of marriages, where both partners are of the same sex; male is marrying another male, female is marrying another female.



West Virginia Vital Statistics

**Appendix C:**

**Grams Conversion**

APPENDIX C  
CONVERTING POUNDS/OUNCES INTO GRAMS

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

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2018