



# West Virginia Vital Statistics 2017

# SEVENTY-FIRST ANNUAL REPORT

## WEST VIRGINIA VITAL STATISTICS 2017



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## TABLE OF CONTENTS

	<u>Page</u>
Foreword .....	1
2017 West Virginia and United States Vital Statistics Review .....	2
Selected Records and Trivia, West Virginia, 2017 .....	3
Average Day Statistics, West Virginia, 2017 .....	4
POPULATION .....	5
Population Summary .....	6
Exhibit 1: West Virginia Population, 1925-2017 .....	7
Table 1: West Virginia Population by County, 2016 and 2017 .....	8
Table 2: West Virginia Population Characteristics, 2010 and 2017 Distribution by Gender, Age and Race .....	9
Table 3: Age Group Distribution by County West Virginia Population, 2017 Estimate (Both Genders) .....	10
Exhibit 2: Population Density per Square Mile by County West Virginia, 2017 .....	16
Exhibit 3: Per Capita Personal Income by County West Virginia, 2017 .....	17
Table 4: Births, Deaths, Natural Increase or Decrease and Net Migration West Virginia Population, 1975-2017 .....	18
BIRTHS .....	19
Birth Summary .....	20
Exhibit 4: Number and Rate of Resident Births (Compared to Deaths) West Virginia, 1925-2017 .....	23
Table 5: Summary Totals West Virginia Resident Births, 2017 .....	24

## TABLE OF CONTENTS (Cont'd)

		<u>Page</u>
Table 6:	Birthweight by Age of Mother West Virginia Resident Births, 2017 .....	25
Table 7:	Selected Factors by Birthweight of Infant West Virginia Resident Births, 2017 .....	26
Exhibit 5:	Birthweight in Grams West Virginia Resident Births, 2017 .....	27
Exhibit 6:	Age of Mother West Virginia Resident Births, 2017 .....	27
Table 8:	Marital Status by Age of Mother West Virginia Resident Births, 2013-2017 .....	28
Exhibit 7:	Marital Status by Age of Mother West Virginia Resident Births, 2017 .....	28
Exhibit 8:	Percent of Births to Unmarried Mothers West Virginia Resident Births, 1950-2017 .....	29
Exhibit 9:	Percent of Births to Unmarried Mothers and Unmarried Mothers with Paternity Affidavit West Virginia Occurrence Births, 1975-2017.....	30
Table 9:	Selected Factors by Race of Mother West Virginia Resident Births, 2017 .....	31
Table 10:	Prenatal Care by Mother’s Race, Marital Status and Education West Virginia Resident Births, 2017 .....	32
Table 11:	Births by Method of Delivery Number and Percent by Facility of Occurrence West Virginia, 2017.....	34
Table 12:	Full-Term Births (39 or More Weeks Gestation) by Method of Delivery Number and Percent by Facility of Occurrence West Virginia, 2017.....	35
Table 13:	Labor-Induced Births by Method of Delivery Number and Percent by Facility of Occurrence West Virginia, 2017.....	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, 2017.....	37
Table 15: Out-of-State Occurrences West Virginia Resident Births, 2013-2017 .....	38
Table 16: Out-of-State Residents Born in West Virginia West Virginia Occurrence Births, 2013-2017.....	38
DEATHS.....	39
Death Summary .....	40
Exhibit 10: Number and Rate of Resident Deaths (Compared to Births) West Virginia, 1925-2017 .....	42
Table 17: Summary Totals West Virginia Resident Deaths, 2017 .....	43
Table 18: Out-of-State Occurrences West Virginia Resident Deaths, 2013-2017 .....	44
Table 19: Deaths to Out-of-State Residents West Virginia Occurrence Deaths, 2013-2017.....	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, 2016 and 2017 .....	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, 2017 .....	47
Table 21: Leading Causes of Death by Age Group and Gender West Virginia Resident Deaths, 2017 .....	48
Exhibit 13: 2017 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, 2017 .....	53
Table 23: Non-Transport Accidental Injury Deaths Place Where Injury Occurred West Virginia Residents, 2017 .....	53
Table 24: Causes of Resident Deaths: Number and Rate West Virginia, 2017 .....	54
Table 25: Selected Causes of Resident Deaths: Number by Race and Gender West Virginia, 2017 .....	68
Table 26: Selected Causes of Resident Deaths by Age Group West Virginia, 2017 .....	69
Table 27: Selected Causes of Resident Deaths by Month of Occurrence West Virginia, 2017 .....	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, 1925-2017 .....	75
Exhibit 14: Fetal, Neonatal and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2017 .....	76
Table 29: Causes of Resident Infant Deaths by Age West Virginia, 2017 .....	77
Table 30: Causes of Resident Infant Deaths by Birthweight West Virginia, 2017 .....	80
Table 31: Births and Infant Deaths by Selected Risk Factors and Demographics West Virginia Residents, 2017 .....	83
Exhibit 15: Resident Infant Death Rates by County West Virginia, 2008-2012 and 2013-2017 .....	84

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 32: Causes of Resident Fetal Deaths West Virginia, 2013-2017 .....	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, 2017.....	90
Table 34: ITOP by Age of Female and Marital Status West Virginia Occurrences, 2017.....	90
Table 35: ITOP by Age of Female and Previous Live Births West Virginia Occurrences, 2017.....	91
Table 36: Previous ITOPs by Age of Female West Virginia Occurrences, 2017.....	91
MARRIAGES AND DIVORCES.....	92
Marriage and Divorce Summary.....	93
Exhibit 16: Marriages and Divorces West Virginia, 1970-2017 .....	95
Table 37: All Marriages by Age of Bride and Groom West Virginia, 2017.....	96
Table 38: Male-Female Marriages by Age of Bride and Groom West Virginia, 2017.....	97
Table 39: Same-Sex Marriages by Age West Virginia, 2017.....	98
Exhibit 17: All Marriages by Month of Occurrence West Virginia, 2017.....	99
Table 40: All Marriages by Previous Marital Status West Virginia, 2017.....	100



## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 41: All Marriages by Number of Previous Marriages West Virginia, 2017.....	100
Table 42: Male-Female Marriages by Previous Marital Status West Virginia, 2017.....	101
Table 43: Male-Female Marriages by Number of Previous Marriages West Virginia, 2017.....	101
Table 44: Same-Sex Marriages by Previous Marital Status West Virginia, 2017.....	102
Table 45: Same-Sex Marriages by Number of Previous Marriages West Virginia, 2017.....	102
Table 46: All Divorces and Annulments by Age of Petitioner and Respondent West Virginia, 2017.....	103
Table 47: Male-Female Divorces and Annulments by Age of Husband and Wife West Virginia, 2017.....	104
Table 48: All Divorces and Annulments by Duration of Marriage and Number of Children West Virginia, 2017.....	105
Table 49: Male-Female Divorces and Annulments by Duration of Marriage and Number of Children West Virginia, 2017.....	106
COUNTY-LEVEL DATA.....	107
County and City Summary.....	108
 <u>County Births:</u>	
Table 50: Number of Births by County of Residence and Occurrence Birth Rates by County of Residence West Virginia Births, 2017 .....	109
Table 51: Number of Births by County of Residence West Virginia, 2013-2017 .....	110

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 52: Number and Percent of Low Birthweight Births by County of Residence West Virginia, 2017.....	111
Table 53: Age of Mother by County West Virginia Resident Births, 2017 .....	112
Table 54: Mother’s Marital Status and Method of Paternity Establishment for Unmarried Mothers by County West Virginia Occurrence Births, 2017 .....	113
Table 55: Births by Month by County West Virginia Residents, 2017 .....	114
Table 56: Place of Delivery, Gender of Child by Race of Mother and Marital Status of Mother by County West Virginia Resident Births, 2017 .....	115
Table 57: Trimester Prenatal Care Began by County West Virginia Resident Births, 2017 .....	116
Table 58: Number of Prenatal Visits by County West Virginia Resident Births, 2017 .....	117
Table 59: 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, 2017 .....	118
 <u>County Deaths:</u>	
Table 60: Number of Deaths by Race, Gender and County of Residence West Virginia, 2017.....	119
Table 61: Number of Deaths by County of Residence and Occurrence West Virginia, 2017.....	120
Table 62: Method of Disposition by County of Residence/Occurrence West Virginia Deaths, 2017.....	121
Table 63: Number of Deaths by County of Residence West Virginia, 2013-2017 .....	123

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 64: Age at Death by County of Residence West Virginia, 2017 .....	124
Table 65: Place Death Occurred by County of Residence West Virginia, 2017 .....	125
Table 66: Firearm Injury Deaths by Type of Injury and County West Virginia Residents, 2017 .....	126
Table 67: Number and Rate of Resident Infant Deaths by County West Virginia, 2013-2017 .....	127
Table 68: Number and Ratio of Resident Fetal Deaths by County West Virginia, 2013-2017 .....	128
Exhibit 18: Malignant Neoplasm Mortality Rates by County West Virginia Resident Deaths, 2013-2017 .....	129
Exhibit 19: Diseases of the Heart Mortality Rates by County West Virginia Resident Deaths, 2013-2017 .....	130
Table 69: Selected Causes of Resident Deaths Number and Rate by County West Virginia, 2017 .....	131
 <u>County Marriages and Divorces:</u>	
Table 70: Marriages by County of Occurrence Male-Female, Same-Sex and All Marriages West Virginia, 2017 .....	145
Table 71: All Marriages by Month of Occurrence West Virginia by County, 2017.....	146
Table 72: Male-Female Marriages by Month of Occurrence West Virginia by County, 2017.....	147
Table 73: Number of Marriages by County West Virginia, 2013-2017 .....	148

## TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Table 74: Divorces and Annulments by County of Occurrence Male-Female, Same-Sex and All Divorces and Annulments West Virginia, 2017 .....	149
Table 75: All Divorces and Annulments by Month of Occurrence West Virginia, 2017 .....	150
Table 76: Male-Female Divorces and Annulments by Month of Occurrence West Virginia, 2017 .....	151
Table 77: Divorces and Annulments by County of Occurrence West Virginia, 2013-2017 .....	152
 CITY-LEVEL DATA .....	 153
Table 78: Number and Rate of Births by City of Residence West Virginia, 2017 .....	154
Table 79: Selected Causes of Resident Deaths Number and Rate by City West Virginia, 2017 .....	155
 APPENDICES.....	 165
APPENDIX A: ICD-10 Codes.....	165
Groupings of ICD-10 Codes .....	166
 APPENDIX B: Methodology, Rates/Ratios and Definitions.....	 167
Methodology.....	168
Rates and Ratios.....	170
Definitions.....	171
 APPENDIX C: Grams Conversion .....	 173
Converting Pounds/Ounces into Grams .....	174

## FOREWORD

The *West Virginia Vital Statistics 2017* publication provides an in-depth look at births, deaths, marriages and divorces that occurred among state residents in 2017.

West Virginia had a natural decrease in population (excess of deaths over births) for the ninth year in a row. West Virginia dropped in overall population between 2016 and 2017 and only nine of the 55 counties gained population.

The number of total births decreased (19,070 to 18,679) from 2016 to 2017. 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 rose slightly in 2017 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 72.4% of these births, increasing from 71.5% in 2016.

Of the women who gave birth in 2017, 77.8% received prenatal care during the first trimester of pregnancy while 24.7% smoked during pregnancy. The percentage of low birthweight babies at 9.6% in 2017 was slightly lower than 9.7% in 2016. In 2017, 35.2% of all babies were delivered by Cesarean section.

The number of deaths increased by 569 in 2017. The average age at death for West Virginians was 68.9 for men and 74.7 for women. Heart disease, the leading cause of death in West Virginia for the second consecutive year, cancer, accidents, and chronic lower respiratory disease were the four leading causes of death, accountable for 56.2% of all deaths in West Virginia. Motor vehicle traffic accident deaths increased by 40 in 2017, from 297 to 337.

The infant death rate decreased from 7.3 per 1,000 live births in 2016 to 7.1 in 2017. The number of deaths to infants under one year of age also decreased by six from 139 to 133. The majority (75.2%) 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 5.0 per 1,000 live births in 2016 to 5.6 in 2017. Almost all (96.3%) 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 1,447 ITOPs performed in the state in 2017 compared with 1,428 in 2016. In 2017, 38 of these procedures involved a minor under the age of 18 compared with 42 in 2016.

West Virginia made allowance for same-sex marriages beginning in October 2014. However, overall marriages decreased for the sixth year in a row, from 11,664 in 2016 to 11,464. Divorces also decreased from 6,880 in 2016 to 6,492 in 2017. Forty-eight (48) of those divorces were for same-sex couples.

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>.

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Director  
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## 2017 West Virginia and United States Vital Statistics Review

	West Virginia		United States***	
	Number	Rate*	Number	Rate*
Live Births	18,679	10.3	3,855,500	11.8
Deaths	23,290	12.8	2,813,503	8.6
Fetal Deaths	107	**5.6	N/A	N/A
Neonatal Deaths	78	**4.1	14,821	**3.8
Infant Deaths	133	**7.1	22,235	**5.8
Marriages	11,464	6.3	2,236,496	6.9
Divorces & Annulments	6,492	3.6	787,251	2.9
Natural Increase (Decrease)	(4,611)	(2.5)	1,041,997	3.2
Population (2017 Estimate)	1,815,857		325,719,178	

\*Rates based on 2017 U.S. Census Bureau estimates.

<http://census.gov/>

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

\*\*\*CDC Wonder and National Center for Health Statistics.

(Births) – CDC Wonder <http://wonder.cdc.gov>

(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\\_00-17.pdf](https://www.cdc.gov/nchs/data/dvs/national_marriage_divorce_rates_00-17.pdf)

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

## Selected Records and Trivia West Virginia, 2017

### Nativity

Oldest Father: 70  
 Youngest Father: 14  
 Oldest Mother: 51  
 Youngest Mother: 13  
 Highest Live Birth Order: 14<sup>th</sup> Delivery – 13 siblings (brothers and sisters)  
 Day Most Births Occurred: February 7 - (83)  
 Day Fewest Births Occurred: November 5 - (13)  
 Number of Live Born Twins: 576  
 Number of Live Born Triplets: 23  
 Number of Live Born Quadruplets: 0

### Most Popular Names for Babies

<u>Boys' Names</u>	<u>Number</u>	<u>Girls' Names</u>	<u>Number</u>
Liam	128	Emma	113
Mason	97	Olivia	97
Carter	94	Harper	95
Elijah	85	Ava	73
Noah	85	Isabella	72
Grayson	84	Paisley	72
Wyatt	83	Amelia	69
Jaxon	81	Sophia	60
Lincoln	79	Abigail	54
Owen	77	Addison & Avery	51

### Mortality

Oldest Male Decedent: 105  
 Oldest Female Decedent: 110  
 Number of Male Decedents 100 Yrs. & Older: 21  
 Number of Female Decedents 100 Yrs. & Older: 121  
 Day Most Deaths Occurred: January 12 & December 20 - (89)  
 Day Fewest Deaths Occurred: July 17 - (41)

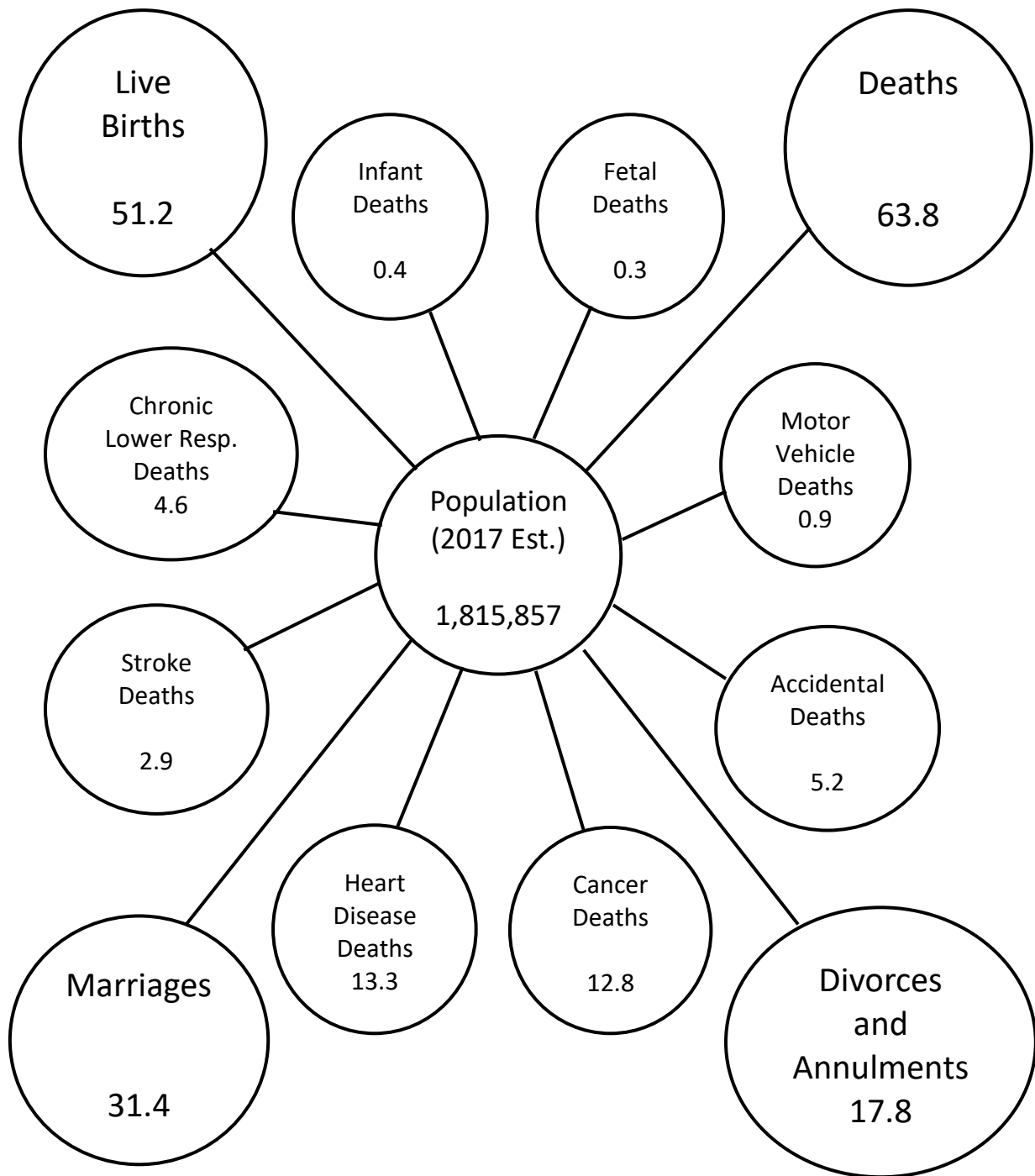
### Marriage (Male-Female Marriages Only)

Oldest Groom: 95  
 Youngest Groom: 15  
 Oldest Bride: 92  
 Youngest Bride: 15  
 Largest Age Difference with Bride Older: 35 Years  
 Largest Age Difference with Groom Older: 45 Years

### Divorce (Male-Female Divorces Only)

Oldest Male Divorcé: 96  
 Youngest Male Divorcé: 18  
 Oldest Female Divorcée: 90  
 Youngest Female Divorcée: 18  
 Marriage of Longest Duration Ending in Divorce: 66 Years

# Average Day Statistics West Virginia, 2017



West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022





West Virginia Vital Statistics  
**Population**

## Population Summary

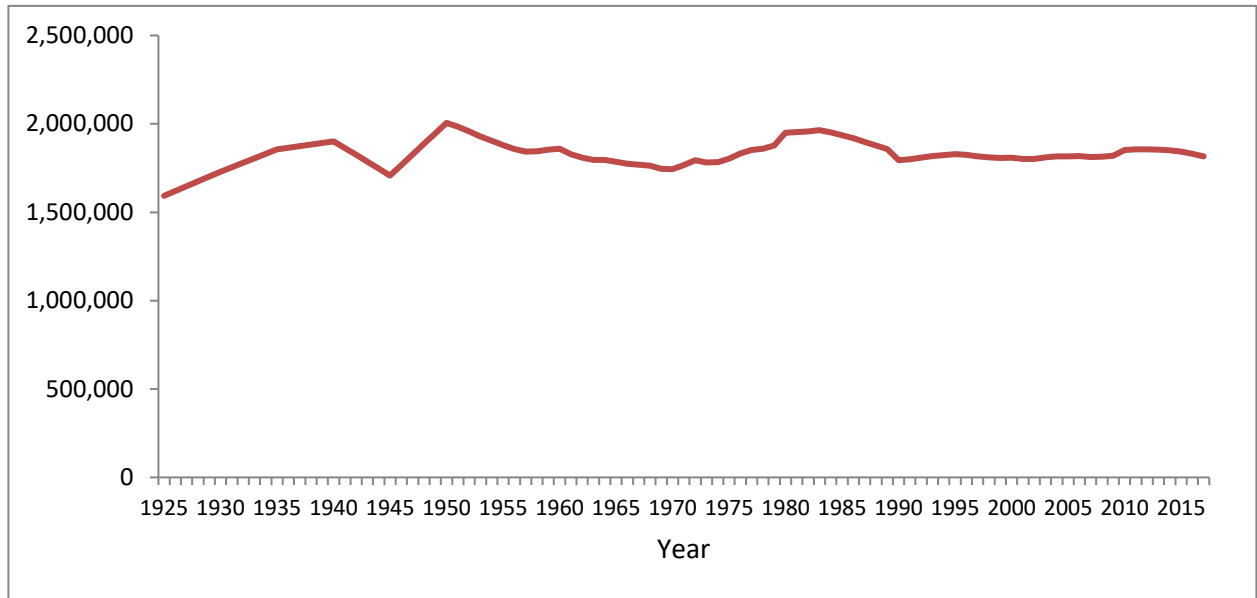
In 2017, 4,611 West Virginians were lost to the total population as a result of resident deaths exceeding resident births. The U.S. Census Bureau shows an overall decrease (approximately 2.0%) in the state's population since 2010, from 1,852,994 to 1,815,857. This decrease is the result of a mostly natural decrease (excess of deaths over births), as well as a growth in the excess of outmigration over immigration during that span.

Even though there has been a decrease in the overall population from 2010 to 2017, less than one-fifth (10) of the state's 55 counties have shown an increase. Furthermore, only a little more than one-fourth (8) 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, 1925-2017

### 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%
2017*	1,815,857	2016 to 2017	-0.8%

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*Population Estimates  
[www.census.gov](http://www.census.gov)

## West Virginia Population by County, 2016 and 2017

### Table 1

County	2016	2017	County	2016	2017
Barbour	16,831	16,497	Monongalia	104,622	105,030
Berkeley	113,525	114,920	Monroe	13,370	13,402
Boone	22,816	22,349	Morgan	17,632	17,686
Braxton	14,471	14,237	Nicholas	25,311	25,043
Brooke	22,977	22,443	Ohio	42,516	42,035
Cabell	95,987	94,958	Pendleton	7,051	6,996
Calhoun	7,336	7,307	Pleasants	7,591	7,512
Clay	8,859	8,764	Pocahontas	8,501	8,456
Doddridge	8,413	8,560	Preston	33,758	33,679
Fayette	44,323	43,521	Putnam	56,941	56,792
Gilmer	8,249	8,005	Raleigh	76,601	75,022
Grant	11,732	11,670	Randolph	29,006	28,785
Greenbrier	35,279	35,287	Ritchie	9,875	9,774
Hampshire	23,301	23,471	Roane	14,208	14,043
Hancock	29,590	29,448	Summers	12,872	12,993
Hardy	13,889	13,717	Taylor	16,859	16,930
Harrison	68,400	67,811	Tucker	6,926	6,915
Jackson	29,152	28,976	Tyler	8,972	8,795
Jefferson	56,368	56,338	Upshur	24,658	24,465
Kanawha	186,241	183,293	Wayne	40,531	40,153
Lewis	16,309	16,226	Webster	8,646	8,372
Lincoln	21,232	20,825	Wetzel	15,640	15,437
Logan	33,700	32,925	Wirt	5,806	5,794
McDowell	19,141	18,456	Wood	85,643	85,104
Marion	56,538	56,337	Wyoming	21,763	21,210
Marshall	31,793	31,190			
Mason	26,825	26,801			
Mercer	60,468	59,753	WV Total	1,831,102	1,815,857
Mineral	27,411	27,222			
Mingo	24,647	24,127			

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West Virginia Population Characteristics, 2010 and 2017  
Distribution by Gender, Age and Race  
Table 2

Characteristic	2010 Census		2017 Estimate	
	Number	Percent	Number	Percent
<u>Total</u>	1,852,994	100.0%	1,815,857	100.0%
<u>Gender</u>				
Male	913,586	49.3%	898,620	49.5%
Female	939,408	50.7%	917,237	50.5%
<u>Age</u>				
Less than 5 Years	104,060	5.6%	98,484	5.4%
5-17 Years	283,358	15.3%	271,234	14.9%
18-44 Years	627,191	33.8%	593,519	32.7%
45-64 Years	540,981	29.2%	501,021	27.6%
65 Years and Older	297,404	16.0%	351,599	19.4%
<u>Race</u>				
White or Caucasian	1,739,988	93.9%	1,684,321	92.8%
Black or African American	63,124	3.4%	71,991	4.0%
Asian, Native Hawaiian and Other Pacific Islander	12,834	0.7%	14,077	0.8%
American Indian, Eskimo, Aleutian Islander and Alaska Native	3,787	0.2%	2,438	0.1%
All Other Races	33,261	1.8%	43,030	2.4%
<u>Hispanic Origin*</u>	22,268	1.2%	29,065	1.6%

\*May be of any race

2010 and 2017 Census Source: <http://www.census.gov>

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Age Group Distribution by County  
West Virginia Population 2017 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	823	1,847	2,499	1,776	1,841	2,120	2,340	1,935	964	352	16,497
Berkeley	7,115	15,253	13,419	15,853	15,199	16,419	15,048	10,781	4,452	1,381	114,920
Boone	1,138	2,745	2,483	2,253	2,949	3,072	3,451	2,710	1,148	400	22,349
Braxton	804	1,579	1,466	1,587	1,602	1,944	2,133	1,893	907	322	14,237
Brooke	986	2,233	2,831	2,309	2,423	2,874	3,585	2,985	1,544	673	22,443
Cabell	5,351	10,334	16,027	11,774	11,111	11,121	11,895	9,916	5,221	2,208	94,958
Calhoun	331	807	662	708	834	1,020	1,211	1,048	491	195	7,307
Clay	534	1,138	934	858	1,024	1,172	1,350	1,029	518	207	8,764
Doddridge	355	753	1,104	986	1,044	1,267	1,298	1,053	536	164	8,560
Fayette	2,527	5,057	4,711	4,811	5,367	5,656	6,637	5,199	2,550	1,006	43,521
Gilmer	292	642	1,417	1,195	1,088	1,060	936	731	431	213	8,005
Grant	680	1,220	1,216	1,195	1,276	1,616	1,705	1,621	835	306	11,670
Greenbrier	1,848	3,828	3,726	3,848	4,109	4,553	5,395	4,689	2,362	929	35,287
Hampshire	1,149	2,494	2,532	2,433	2,628	3,457	3,663	3,232	1,391	492	23,471
Hancock	1,409	3,228	2,987	3,059	3,442	4,033	4,754	3,697	1,936	903	29,448
Hardy	683	1,633	1,388	1,460	1,598	1,952	2,079	1,764	917	243	13,717
Harrison	3,922	8,164	7,441	8,070	8,386	9,149	9,820	7,401	3,808	1,650	67,811
Jackson	1,685	3,467	3,221	3,152	3,350	4,020	4,338	3,149	1,938	656	28,976
Jefferson	3,092	7,322	6,835	6,408	7,268	8,713	7,858	5,615	2,420	807	56,338
Kanawha	10,046	20,585	20,354	22,353	22,203	23,326	27,784	21,465	10,637	4,540	183,293
Lewis	969	1,947	1,644	1,829	1,968	2,256	2,354	1,946	968	345	16,226
Lincoln	1,245	2,629	2,212	2,202	2,630	2,937	3,096	2,331	1,216	327	20,825
Logan	1,787	3,738	3,509	3,660	4,291	4,338	5,074	4,108	1,755	665	32,925
McDowell	1,022	2,153	1,752	1,953	2,156	2,389	3,165	2,304	1,131	431	18,456
Marion	3,162	6,291	8,233	6,579	6,681	7,046	7,605	6,210	3,158	1,372	56,337
Marshall	1,583	3,399	3,318	3,489	3,536	4,179	4,944	4,030	1,892	820	31,190
Mason	1,459	3,205	2,834	2,985	3,264	3,440	4,192	3,137	1,685	600	26,801
Mercer	3,507	6,783	6,988	6,950	6,908	7,378	8,462	7,524	3,755	1,498	59,753
Mineral	1,468	3,013	3,318	3,116	2,963	3,774	3,811	3,434	1,808	517	27,222
Mingo	1,487	2,966	2,497	2,709	3,072	3,283	3,735	2,847	1,162	369	24,127

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System 2019

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

Age Group Distribution by County  
West Virginia Population 2017 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	5,327	9,209	24,843	18,155	12,439	11,111	11,238	7,721	3,378	1,609	105,030
Monroe	641	1,546	1,326	1,345	1,439	1,847	1,958	1,906	1,012	382	13,402
Morgan	750	1,782	1,949	1,703	1,919	2,605	2,939	2,438	1,212	389	17,686
Nicholas	1,352	2,944	2,481	2,802	2,856	3,360	3,840	3,263	1,620	525	25,043
Ohio	2,196	4,495	5,623	4,783	4,574	5,037	6,409	4,906	2,564	1,448	42,035
Pendleton	308	715	649	656	698	873	1,216	986	607	288	6,996
Pleasants	384	768	880	911	988	1,106	1,067	827	433	148	7,512
Pocahontas	407	836	753	939	902	1,123	1,438	1,210	633	215	8,456
Preston	1,691	3,683	3,394	4,515	4,343	4,633	4,827	3,974	1,940	679	33,679
Putnam	3,160	7,312	6,317	6,354	7,588	7,955	8,004	6,078	3,110	914	56,792
Raleigh	4,070	9,047	8,142	9,265	9,720	9,158	10,602	8,997	4,256	1,765	75,022
Randolph	1,492	2,997	3,294	3,504	3,318	3,856	4,180	3,589	1,844	711	28,785
Ritchie	486	1,118	979	974	1,090	1,395	1,572	1,277	661	222	9,774
Roane	683	1,716	1,467	1,400	1,664	1,855	2,272	1,780	902	304	14,043
Summers	524	1,230	1,187	1,392	1,625	1,764	2,102	1,833	956	380	12,993
Taylor	901	1,962	1,688	2,078	2,125	2,408	2,461	1,951	948	408	16,930
Tucker	324	601	743	678	746	987	1,095	1,013	550	178	6,915
Tyler	462	949	931	850	963	1,267	1,438	1,142	572	221	8,795
Upshur	1,317	2,885	3,484	2,756	2,714	3,080	3,358	2,832	1,535	504	24,465
Wayne	2,062	4,662	4,539	4,389	4,889	5,531	5,825	4,778	2,512	966	40,153
Webster	413	957	874	794	925	1,174	1,355	1,179	497	204	8,372
Wetzel	837	1,679	1,750	1,589	1,646	2,126	2,318	1,907	1,197	388	15,437
Wirt	281	741	583	604	662	799	1,000	684	361	79	5,794
Wood	4,913	9,899	9,416	9,823	10,126	11,543	12,460	9,746	5,271	1,907	85,104
Wyoming	1,044	2,536	2,267	2,251	2,674	2,764	3,408	2,733	1,148	385	21,210
WV Total	98,484	206,722	223,117	216,070	218,844	238,921	262,100	208,534	103,255	39,810	1,815,857

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System 2019

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

Age Group Distribution by County  
West Virginia Population 2017 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	414	945	1,211	889	899	1,054	1,139	962	454	113	8,080
Berkeley	3,628	7,792	6,738	7,875	7,456	8,215	7,492	5,177	2,026	564	56,963
Boone	568	1,463	1,324	1,134	1,441	1,539	1,687	1,294	524	138	11,112
Braxton	416	817	756	830	803	973	1,079	938	463	116	7,191
Brooke	500	1,157	1,457	1,207	1,216	1,417	1,776	1,402	671	217	11,020
Cabell	2,812	5,362	7,877	6,127	5,595	5,571	5,645	4,581	2,175	716	46,461
Calhoun	153	407	316	359	435	501	612	566	223	68	3,640
Clay	276	602	480	436	502	568	696	529	258	76	4,423
Doddridge	181	407	713	594	595	691	656	536	261	77	4,711
Fayette	1,297	2,573	2,613	2,515	2,778	2,932	3,271	2,553	1,069	314	21,915
Gilmer	162	329	831	874	756	670	491	365	199	77	4,754
Grant	346	632	621	622	650	807	853	793	393	111	5,828
Greenbrier	950	1,944	1,971	1,921	2,011	2,223	2,645	2,276	1,045	321	17,307
Hampshire	586	1,314	1,323	1,254	1,314	1,799	1,836	1,666	675	193	11,960
Hancock	735	1,680	1,535	1,565	1,680	2,028	2,298	1,765	792	297	14,375
Hardy	337	831	720	758	826	989	1,035	866	441	90	6,893
Harrison	2,007	4,272	3,771	4,032	4,186	4,598	4,805	3,487	1,602	542	33,302
Jackson	844	1,832	1,686	1,629	1,709	1,921	2,133	1,519	861	241	14,375
Jefferson	1,624	3,756	3,485	3,169	3,624	4,308	3,855	2,741	1,096	306	27,964
Kanawha	5,048	10,460	10,353	11,093	10,993	11,343	13,161	9,896	4,362	1,567	88,276
Lewis	497	976	841	903	1,042	1,120	1,169	922	429	138	8,037
Lincoln	620	1,345	1,136	1,104	1,287	1,500	1,508	1,148	556	128	10,332
Logan	907	1,934	1,799	1,875	2,197	2,160	2,453	1,955	691	236	16,207
McDowell	496	1,134	888	968	1,094	1,161	1,497	1,145	476	149	9,008
Marion	1,599	3,214	4,221	3,355	3,357	3,496	3,740	2,911	1,378	483	27,754
Marshall	805	1,709	1,691	1,812	1,808	2,096	2,433	1,942	802	296	15,394
Mason	774	1,670	1,476	1,338	1,544	1,690	1,995	1,510	741	202	12,940
Mercer	1,781	3,498	3,554	3,378	3,333	3,570	3,876	3,539	1,637	457	28,623
Mineral	728	1,622	1,771	1,623	1,492	1,894	1,793	1,636	819	207	13,585
Mingo	753	1,530	1,313	1,300	1,491	1,604	1,784	1,402	507	143	11,827



Age Group Distribution by County  
West Virginia Population 2017 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	2,784	4,771	12,982	9,958	6,657	5,639	5,484	3,806	1,469	530	54,080
Monroe	332	812	688	699	724	911	976	906	482	151	6,681
Morgan	374	922	1,002	839	983	1,333	1,446	1,201	563	152	8,815
Nicholas	699	1,494	1,287	1,433	1,362	1,653	1,844	1,635	742	185	12,334
Ohio	1,145	2,287	2,767	2,450	2,323	2,452	3,086	2,308	1,034	419	20,271
Pendleton	166	361	332	347	374	447	608	497	267	139	3,538
Pleasants	206	409	489	570	570	615	540	418	206	45	4,068
Pocahontas	204	405	420	505	488	596	739	624	324	67	4,372
Preston	884	1,905	1,754	2,475	2,329	2,440	2,438	1,965	893	239	17,322
Putnam	1,655	3,706	3,270	3,213	3,715	3,982	3,885	2,876	1,373	327	28,002
Raleigh	2,059	4,581	4,335	5,030	5,034	4,710	5,065	4,335	1,819	579	37,547
Randolph	769	1,530	1,807	1,982	1,772	2,060	2,115	1,727	865	240	14,867
Ritchie	240	568	503	489	535	714	823	625	313	82	4,892
Roane	341	835	786	709	830	920	1,135	874	428	96	6,954
Summers	252	626	566	527	670	785	976	906	421	141	5,870
Taylor	448	1,033	882	1,131	1,103	1,220	1,234	973	417	145	8,586
Tucker	171	301	435	345	379	487	559	509	275	71	3,532
Tyler	249	480	485	420	489	666	690	588	255	93	4,415
Upshur	686	1,442	1,717	1,378	1,375	1,547	1,648	1,422	714	184	12,113
Wayne	1,058	2,377	2,347	2,165	2,336	2,759	2,782	2,263	1,192	353	19,632
Webster	198	497	476	407	462	582	672	594	229	66	4,183
Wetzel	419	843	909	827	803	1,044	1,157	921	538	118	7,579
Wirt	142	400	314	294	324	393	502	367	194	31	2,961
Wood	2,501	5,002	4,803	4,849	5,048	5,684	5,962	4,560	2,247	637	41,293
Wyoming	545	1,281	1,155	1,121	1,294	1,357	1,694	1,353	512	144	10,456
WV Total	50,371	106,075	114,982	110,702	110,093	119,434	127,473	100,275	45,398	13,817	898,620

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System 2019

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

Age Group Distribution by County  
West Virginia Population 2017 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	409	902	1,288	887	942	1,066	1,201	973	510	239	8,417
Berkeley	3,487	7,461	6,681	7,978	7,743	8,204	7,556	5,604	2,426	817	57,957
Boone	570	1,282	1,159	1,119	1,508	1,533	1,764	1,416	624	262	11,237
Braxton	388	762	710	757	799	971	1,054	955	444	206	7,046
Brooke	486	1,076	1,374	1,102	1,207	1,457	1,809	1,583	873	456	11,423
Cabell	2,539	4,972	8,150	5,647	5,516	5,550	6,250	5,335	3,046	1,492	48,497
Calhoun	178	400	346	349	399	519	599	482	268	127	3,667
Clay	258	536	454	422	522	604	654	500	260	131	4,341
Doddridge	174	346	391	392	449	576	642	517	275	87	3,849
Fayette	1,230	2,484	2,098	2,296	2,589	2,724	3,366	2,646	1,481	692	21,606
Gilmer	130	313	586	321	332	390	445	366	232	136	3,251
Grant	334	588	595	573	626	809	852	828	442	195	5,842
Greenbrier	898	1,884	1,755	1,927	2,098	2,330	2,750	2,413	1,317	608	17,980
Hampshire	563	1,180	1,209	1,179	1,314	1,658	1,827	1,566	716	299	11,511
Hancock	674	1,548	1,452	1,494	1,762	2,005	2,456	1,932	1,144	606	15,073
Hardy	346	802	668	702	772	963	1,044	898	476	153	6,824
Harrison	1,915	3,892	3,670	4,038	4,200	4,551	5,015	3,914	2,206	1,108	34,509
Jackson	841	1,635	1,535	1,523	1,641	2,099	2,205	1,630	1,077	415	14,601
Jefferson	1,468	3,566	3,350	3,239	3,644	4,405	4,003	2,874	1,324	501	28,374
Kanawha	4,998	10,125	10,001	11,260	11,210	11,983	14,623	11,569	6,275	2,973	95,017
Lewis	472	971	803	926	926	1,136	1,185	1,024	539	207	8,189
Lincoln	625	1,284	1,076	1,098	1,343	1,437	1,588	1,183	660	199	10,493
Logan	880	1,804	1,710	1,785	2,094	2,178	2,621	2,153	1,064	429	16,718
McDowell	526	1,019	864	985	1,062	1,228	1,668	1,159	655	282	9,448
Marion	1,563	3,077	4,012	3,224	3,324	3,550	3,865	3,299	1,780	889	28,583
Marshall	778	1,690	1,627	1,677	1,728	2,083	2,511	2,088	1,090	524	15,796
Mason	685	1,535	1,358	1,647	1,720	1,750	2,197	1,627	944	398	13,861
Mercer	1,726	3,285	3,434	3,572	3,575	3,808	4,586	3,985	2,118	1,041	31,130
Mineral	740	1,391	1,547	1,493	1,471	1,880	2,018	1,798	989	310	13,637
Mingo	734	1,436	1,184	1,409	1,581	1,679	1,951	1,445	655	226	12,300

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System 2019

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

Age Group Distribution by County  
West Virginia Population 2017 Estimate  
Table 3 (Cont'd)

Females:

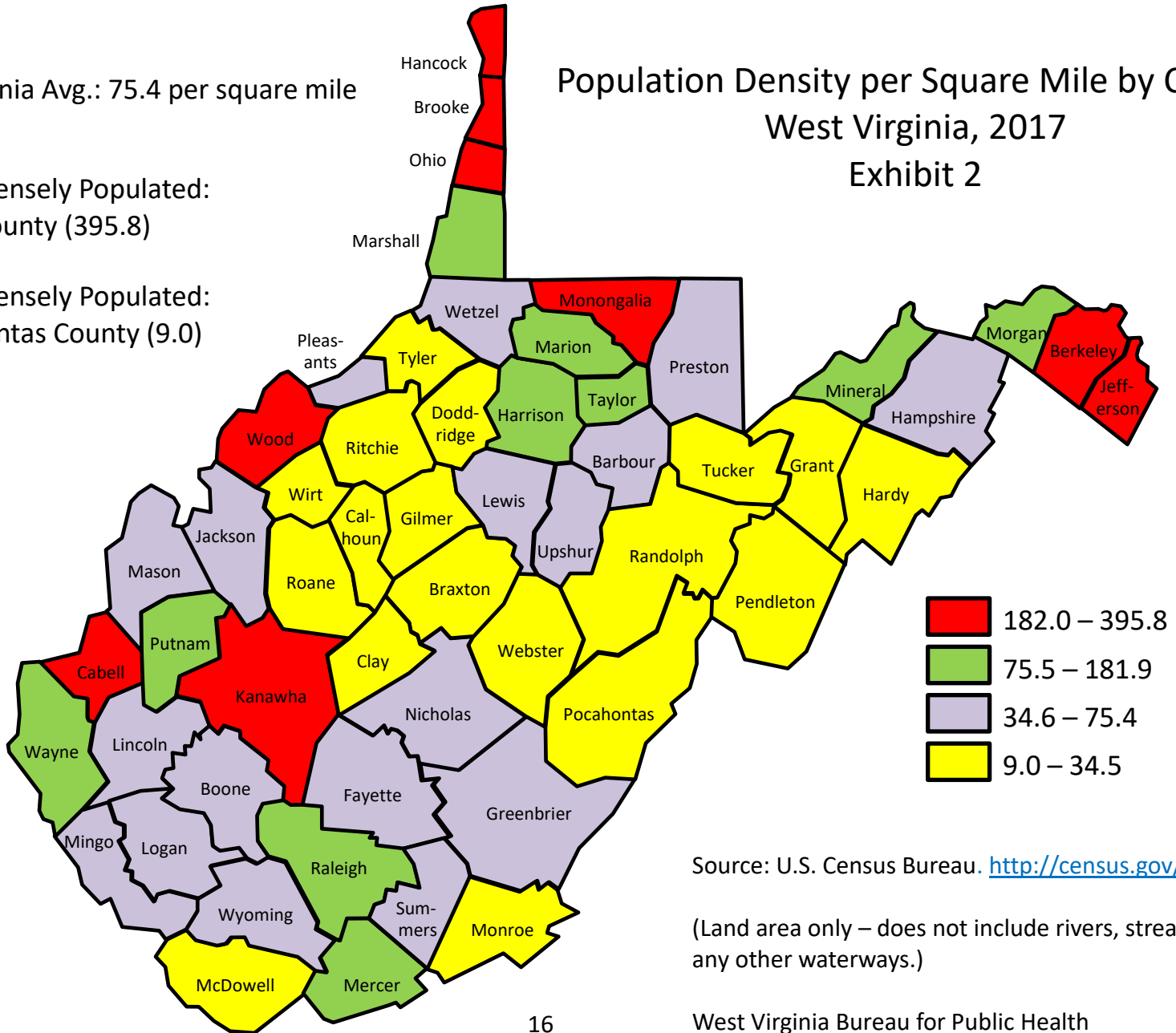
County	Less Than 5 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Monongalia	2,543	4,438	11,861	8,197	5,782	5,472	5,754	3,915	1,909	1,079	50,950
Monroe	309	734	638	646	715	936	982	1,000	530	231	6,721
Morgan	376	860	947	864	936	1,272	1,493	1,237	649	237	8,871
Nicholas	653	1,450	1,194	1,369	1,494	1,707	1,996	1,628	878	340	12,709
Ohio	1,051	2,208	2,856	2,333	2,251	2,585	3,323	2,598	1,530	1,029	21,764
Pendleton	142	354	317	309	324	426	608	489	340	149	3,458
Pleasants	178	359	391	341	418	491	527	409	227	103	3,444
Pocahontas	203	431	333	434	414	527	699	586	309	148	4,084
Preston	807	1,778	1,640	2,040	2,014	2,193	2,389	2,009	1,047	440	16,357
Putnam	1,505	3,606	3,047	3,141	3,873	3,973	4,119	3,202	1,737	587	28,790
Raleigh	2,011	4,466	3,807	4,235	4,686	4,448	5,537	4,662	2,437	1,186	37,475
Randolph	723	1,467	1,487	1,522	1,546	1,796	2,065	1,862	979	471	13,918
Ritchie	246	550	476	485	555	681	749	652	348	140	4,882
Roane	342	881	681	691	834	935	1,137	906	474	208	7,089
Summers	272	604	621	865	955	979	1,126	927	535	239	7,123
Taylor	453	929	806	947	1,022	1,188	1,227	978	531	263	8,344
Tucker	153	300	308	333	367	500	536	504	275	107	3,383
Tyler	213	469	446	430	474	601	748	554	317	128	4,380
Upshur	631	1,443	1,767	1,378	1,339	1,533	1,710	1,410	821	320	12,352
Wayne	1,004	2,285	2,192	2,224	2,553	2,772	3,043	2,515	1,320	613	20,521
Webster	215	460	398	387	463	592	683	585	268	138	4,189
Wetzel	418	836	841	762	843	1,082	1,161	986	659	270	7,858
Wirt	139	341	269	310	338	406	498	317	167	48	2,833
Wood	2,412	4,897	4,613	4,974	5,078	5,859	6,498	5,186	3,024	1,270	43,811
Wyoming	499	1,255	1,112	1,130	1,380	1,407	1,714	1,380	636	241	10,754
WV Total	48,113	100,647	108,135	105,368	108,751	119,487	134,627	108,259	57,857	25,993	917,237

West Virginia Avg.: 75.4 per square mile

Most Densely Populated:  
Ohio County (395.8)

Least Densely Populated:  
Pocahontas County (9.0)

## Population Density per Square Mile by County West Virginia, 2017 Exhibit 2



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

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

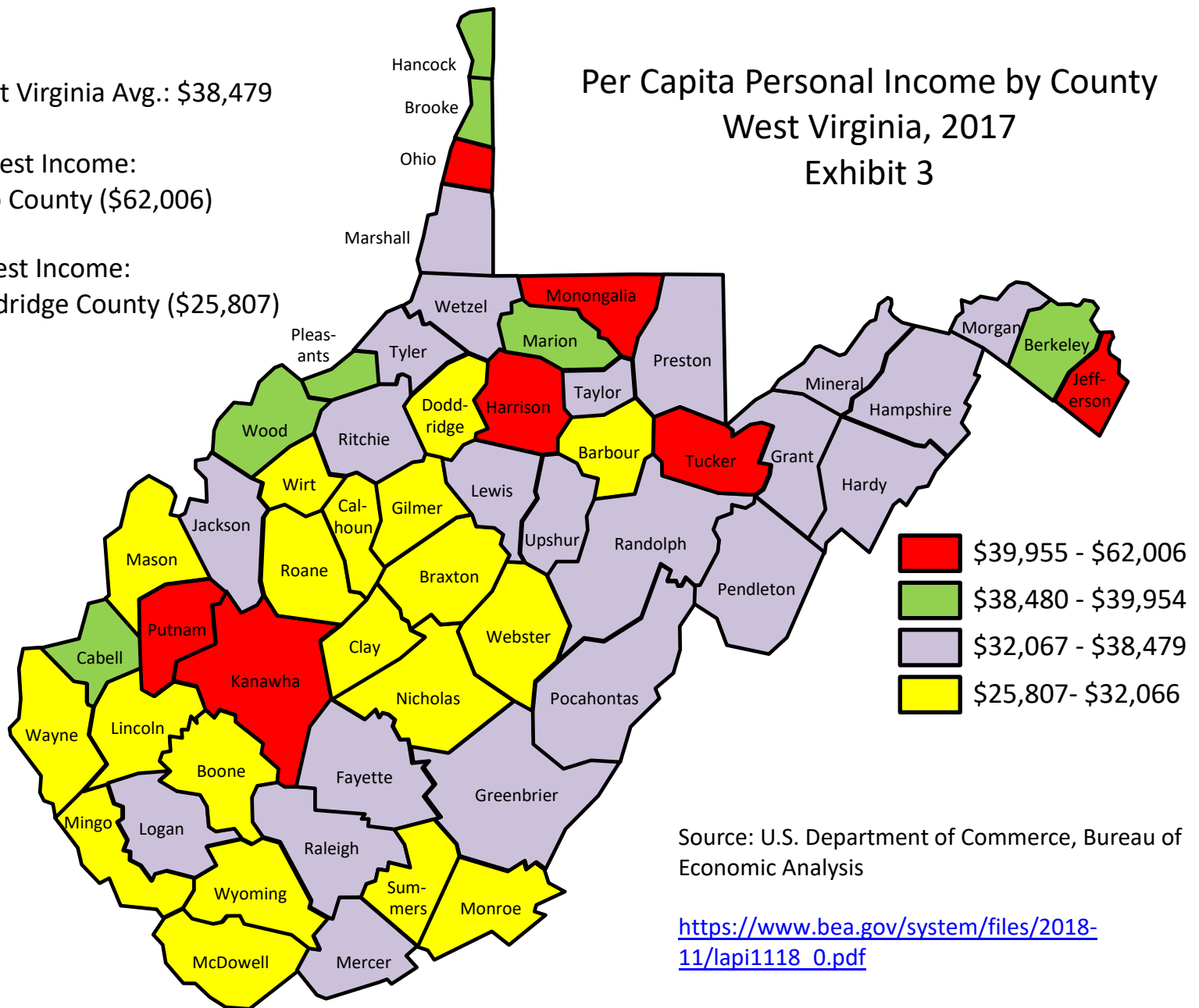
West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

## Per Capita Personal Income by County West Virginia, 2017 Exhibit 3

West Virginia Avg.: \$38,479

Highest Income:  
Ohio County (\$62,006)

Lowest Income:  
Doddridge County (\$25,807)



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

[https://www.bea.gov/system/files/2018-11/lapi1118\\_0.pdf](https://www.bea.gov/system/files/2018-11/lapi1118_0.pdf)

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

## Births, Deaths, Natural Increase or Decrease and Net Migration West Virginia Population, 1975-2017

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%
2017 -k	1,815,857	18,679	23,290	(4,611)	(23,654)	-0.83%

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)

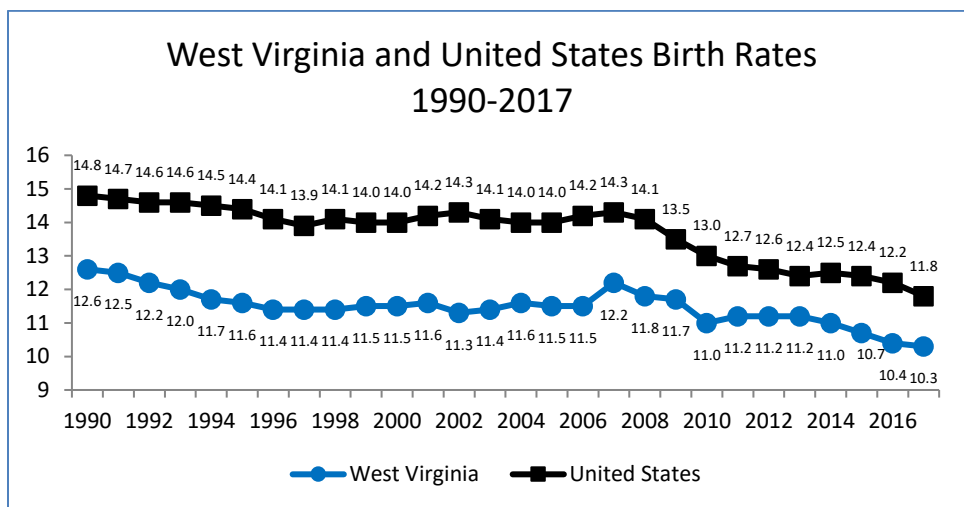
k. Source of population data 2017: [http://www.census.gov/popest/counties/CO-EST2017-popchg2010\\_2017.html](http://www.census.gov/popest/counties/CO-EST2017-popchg2010_2017.html)



West Virginia Vital Statistics  
**Births**

## Birth Summary

West Virginia's resident live births decreased by 391 or 2.1%, from 19,070 in 2016 to 18,679 in 2017. This is the third year in a row where births are below 20,000. The 2017 birth rate also decreased 1.0% from 10.4 per 1,000 population in 2016 to 10.3. The U.S. 2017 birth rate was 11.8 live births per 1,000 population, decreasing 3.3% from the 2016 rate of 12.2. 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 2012-2017 with a slight increase in 2007 and 2011.



The 2017 U.S. fertility rate of 60.3 live births per 1,000 women aged 15-44 was lower (2.7%) than the 2016 rate (62.0). West Virginia's fertility rate also decreased 0.3%, from 58.2 in 2016 to 58.0 in 2017. 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, 2017					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
27.0	18.8	63.6	68.1	58.0	60.3

\*All fertility rates were calculated using 2017 estimated population, U.S. Department of Commerce, Bureau of the Census.

\*\*CDC Wonder, <http://wonder.cdc.gov/>

There was a 35.8 percent difference in the fertility rate among women aged 15-19 in West Virginia compared to that among young women in the U.S. (27.0 vs. 18.8), and a 6.8% difference among women aged 20-44 in the state compared to that for the U.S. (63.6 vs. 68.1).

The number of births to teen mothers (ages 10-19) decreased by 137 (8.8%), from 1,560 in 2016 to 1,423 in 2017. This is the fourth year in a row where teen births have been below 2,000. The percentage



of total births represented by teen births also decreased from 8.2% in 2016 to 7.6% in 2017. 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 (5.1% in 2017).

The percentage of births occurring out of wedlock increased from 2016 to 2017. More than two of every five (45.4%) West Virginia resident births were to unwed mothers, compared to 44.8% in 2016. The percentages of white and black births that occurred out of wedlock in West Virginia in 2017 were 44.3% and 73.1%, respectively, compared to 43.9% and 69.1% in 2016. In the U.S., 28.9% of births to white mothers (non-Hispanic) and 69.6% 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 88.1% in 2016 to 88.3% in 2017.

There were a total of 1,787 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2017, 9.6% of all births. Of the 1,787 low birthweight infants, 1,224 or 68.5% were preterm babies born before 37 weeks of gestation. (Of all 2017 resident births with a known gestational age, 12.0% were preterm babies.) In 2017, 9.4% of babies born to white mothers and 14.2% of babies born to black mothers were low birthweight. Nationally, 8.3% of all infants weighed less than 2,500 grams at birth in 2017; 7.0% of births to white mothers (non-Hispanic) and 13.9% of births to black mothers (non-Hispanic) were of low birthweight.

In 2017, 77.8% of West Virginia mothers with known prenatal care began their care during the first trimester of pregnancy, compared with 77.3% of mothers nationwide. Among those with known prenatal care, 78.3% of white mothers began care during the first trimester; 70.3% of black mothers did so. (U.S. figures show that 82.4% of white, non-Hispanic mothers and 66.6% of black, non-Hispanic mothers had first trimester care.) No prenatal care was received by 1.4% of white mothers and 2.5% of black mothers.

Slightly under one-fourth (24.7%) of the births in 2017 were to mothers who smoked during their pregnancies. National figures from 2017 show that 6.9% of women giving birth reported smoking during pregnancy. Among the state mothers who reported smoking during pregnancy, 16.4% of the babies born were low birthweight, compared with 7.4% among non-smoking mothers. More than one-third (35.2%) of 2017 state births were delivered by Cesarean section, compared with a national rate of 32.0%. One or more medical risk factors were reported in 42.7% of the state resident births in 2017. Maternal drug use during pregnancy was reported in 8.3% of all resident births in 2017 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 New York City, 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 New York City occurrence.

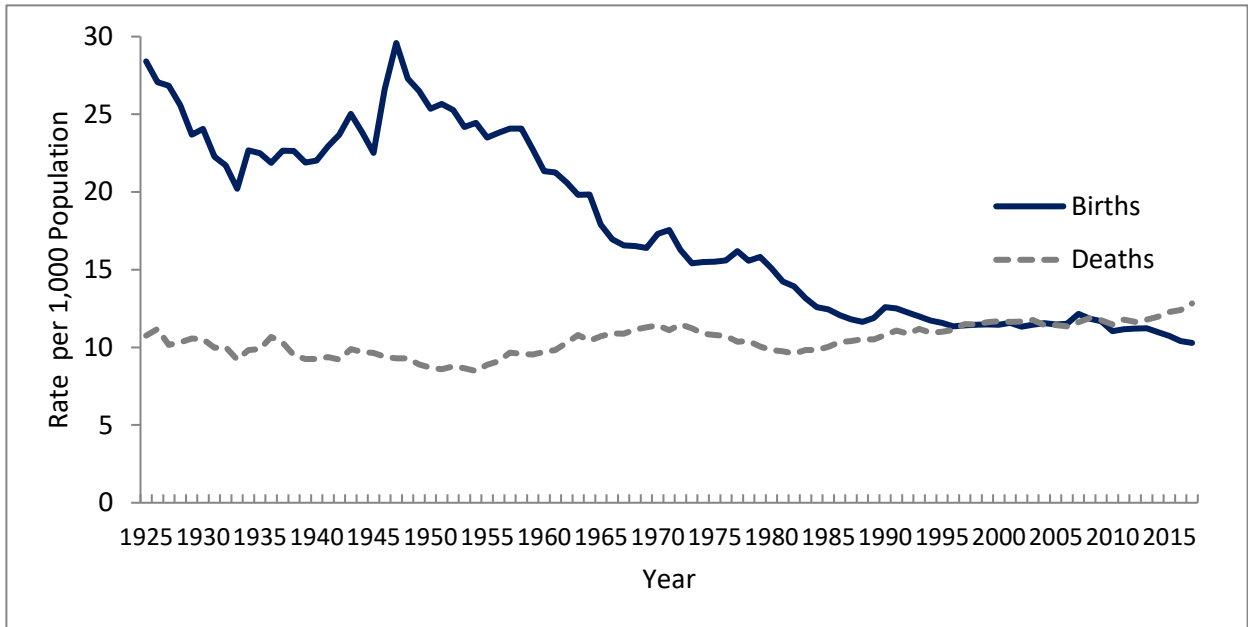
Data structure for births changed extensively beginning in 2014. Date prenatal care began is now determined by the date of mother's first prenatal visit compared to when she gave birth. In fact, some reported their prenatal care beginning before she became pregnant (which is still recorded as the first 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 groups 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, 1925-2017

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
2017	18,679	10.3	23,290	12.8

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Summary Totals  
West Virginia Resident Births, 2017  
Table 5

Characteristic	Number	Percent	Characteristic	Number	Percent
Total	18,679	100.0%	Mother's Marital Status		
Gender			White or Caucasian		
Male	9,574	51.3%	Married	9,637	55.7%
Female	9,105	48.7%	Not Married	7,668	44.3%
Unknown	0		Unknown	2	
Race of Mother			Black or African American		
White or Caucasian	17,307	92.7%	Married	174	26.9%
Black or African American	648	3.5%	Not Married	474	73.1%
All Other Races	714	3.8%	Unknown	0	
Unknown	10		All Other Races		
Attendant at Birth			Married	387	54.3%
Physician	16,983	90.9%	Not Married	326	45.7%
Certified Nurse Midwife	1,524	8.2%	Unknown	1	
Direct Entry Midwife	32	0.2%	Unknown		
Lay Midwife	68	0.4%	Married	5	55.6%
EMT/Paramedic	0	0.0%	Not Married	4	44.4%
Other	71	0.4%	Unknown	1	
Unknown	1		Method of Delivery		
Place of Birth			Vaginal	11,815	63.3%
Hospital	18,534	99.2%	Vaginal after Previous Cesarean Section	280	1.5%
Home	127	0.7%	Cesarean Section	6,584	35.2%
Freestanding Birthing Center	14	0.1%	Primary	3,758	20.1%
En Route to Hospital	0	0.0%	Repeat	2,826	15.1%
Clinic or Center	0	0.0%	One or More Reported Factors		
Other Specified Address (Not Home)	4	0.0%	Medical Risk Factors	7,969	42.7%
Unknown	0		Complications of Labor and/or Delivery	6,387	34.2%
Mother's Smoking Status			Congenital Malformations	285	1.5%
Smoked During Pregnancy	4,608	24.7%	Abnormal Conditions of the Newborn	2,814	15.1%

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Percentages are calculated excluding unknown.

Birthweight by Age of Mother  
West Virginia Resident Births, 2017  
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.)	0	2	6	37	39	30	18	3	0	0	135
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	0	2	11	43	37	42	22	6	2	0	165
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	5	20	100	98	68	40	10	2	0	343
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	2	21	60	314	333	263	123	21	7	0	1,144
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	3	59	258	1,130	1,100	644	305	82	24	0	3,605
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	3	124	457	2,118	2,153	1,467	616	111	28	0	7,077
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	2	66	247	1,318	1,514	1,096	446	73	8	0	4,770
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	0	6	57	314	393	326	113	20	2	0	1,231
4,500 or more Grams (9.921 or more lbs.)	0	4	8	42	71	55	24	3	1	0	208
Unknown	0	0	0	0	1	0	0	0	0	0	1
Total	10	289	1,124	5,416	5,739	3,991	1,707	329	74	0	18,679

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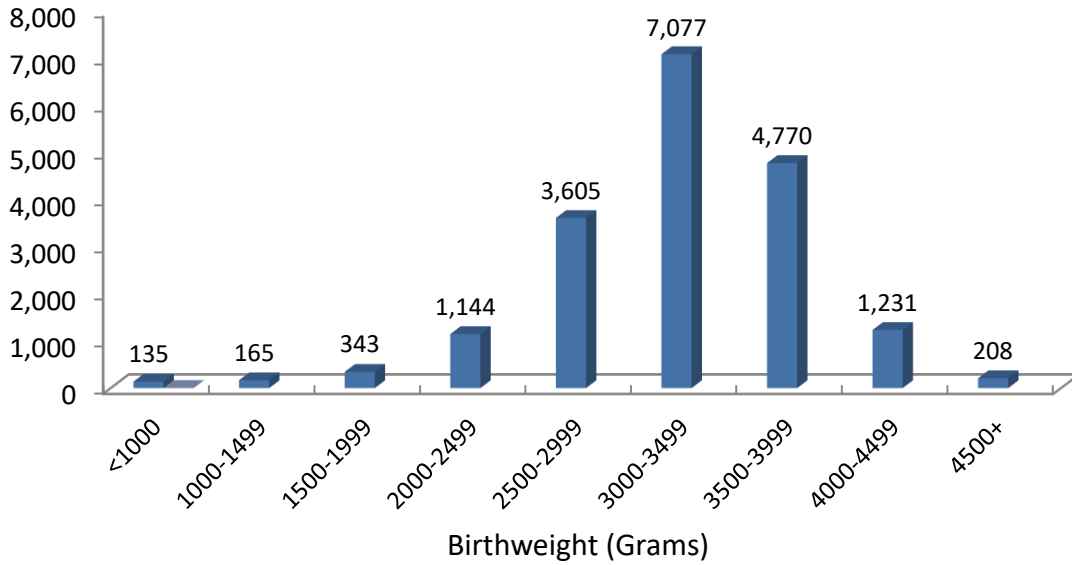
Selected Factors by Birthweight of Infant  
West Virginia Resident Births, 2017  
Table 7

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	300	1.6%	1,487	8.0%	16,891	90.4%	1	18,679
Maternal Age								
< 20 Years	21	1.5%	108	7.6%	1,294	90.9%	0	1,423
< 15 Years	0	0.0%	2	20.0%	8	80.0%	0	10
Maternal Race								
White or Caucasian	261	1.5%	1,359	7.9%	15,686	90.6%	1	17,307
Black or African American	25	3.9%	67	10.3%	556	85.8%	0	648
All Other Races	14	2.0%	60	8.4%	640	89.6%	0	714
Unknown	0	0.0%	1	10.0%	9	90.0%	0	10
Entrv Into Prenatal Care								
First Trimester	202	1.4%	1,039	7.2%	13,116	91.4%	1	14,358
Second Trimester	59	2.0%	259	8.9%	2,583	89.0%	0	2,901
Third Trimester	5	0.5%	87	9.4%	830	90.0%	0	922
No Prenatal Care	23	8.7%	63	23.8%	179	67.5%	0	265
Unknown	11	4.7%	39	16.7%	183	78.5%	0	233
Gestational Age								
< 32 Weeks	260	75.6%	79	23.0%	5	1.5%	0	344
32-36 Weeks	37	1.9%	848	44.7%	1,014	53.4%	0	1,899
37-38 Weeks	2	0.0%	441	8.5%	4,773	91.5%	0	5,216
39+ Weeks	1	0.0%	117	1.0%	11,090	98.9%	1	11,209
Unknown	0	0.0%	2	18.2%	9	81.8%	0	11
Mother's Education Level								
8th Grade or Less	3	1.4%	16	7.6%	192	91.0%	0	211
9 <sup>th</sup> -12th Grade, No Diploma	39	1.8%	222	10.0%	1,950	88.2%	1	2,212
High School Graduate or GED Completed	112	1.9%	572	9.5%	5,326	88.6%	0	6,010
Some College Credit but No Degree	72	1.8%	295	7.2%	3,739	91.1%	0	4,106
Associate Degree	26	1.4%	149	8.1%	1,656	90.4%	0	1,831
Bachelor's Degree	31	1.2%	137	5.3%	2,439	93.6%	0	2,607
Master's Degree	11	0.9%	65	5.2%	1,181	94.0%	0	1,257
Doctorate or Professional Degree	6	1.4%	27	6.5%	381	92.0%	0	414
Unknown	0	0.0%	4	12.9%	27	87.1%	0	31
Mother's Marital Status								
Married	141	1.4%	668	6.5%	9,393	92.1%	1	10,203
Not Married	159	1.9%	817	9.6%	7,496	88.5%	0	8,472
Unknown	0	0.0%	2	50.0%	2	50.0%	0	4

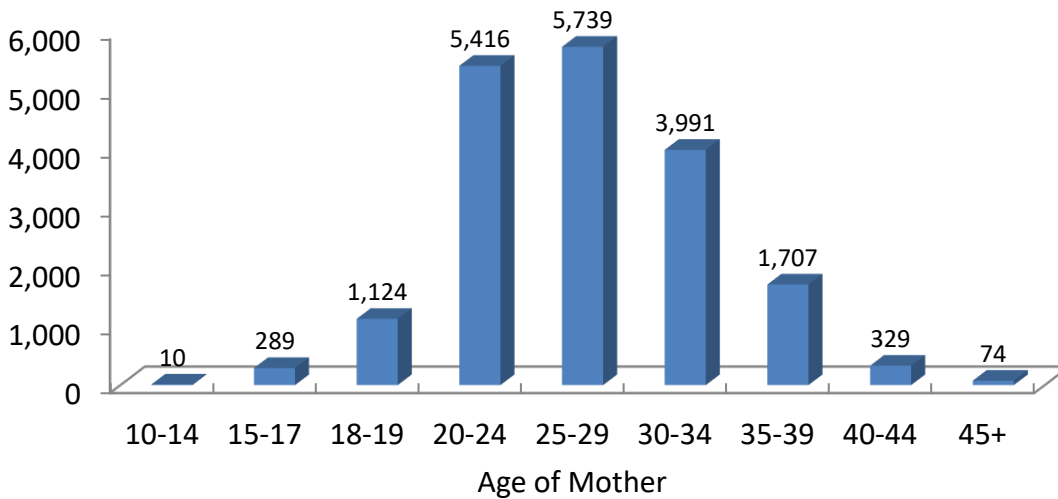
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\*Percentages are calculated excluding unknown birthweight.

**Birthweight in Grams\***  
**West Virginia Resident Births, 2017**  
**Exhibit 5**



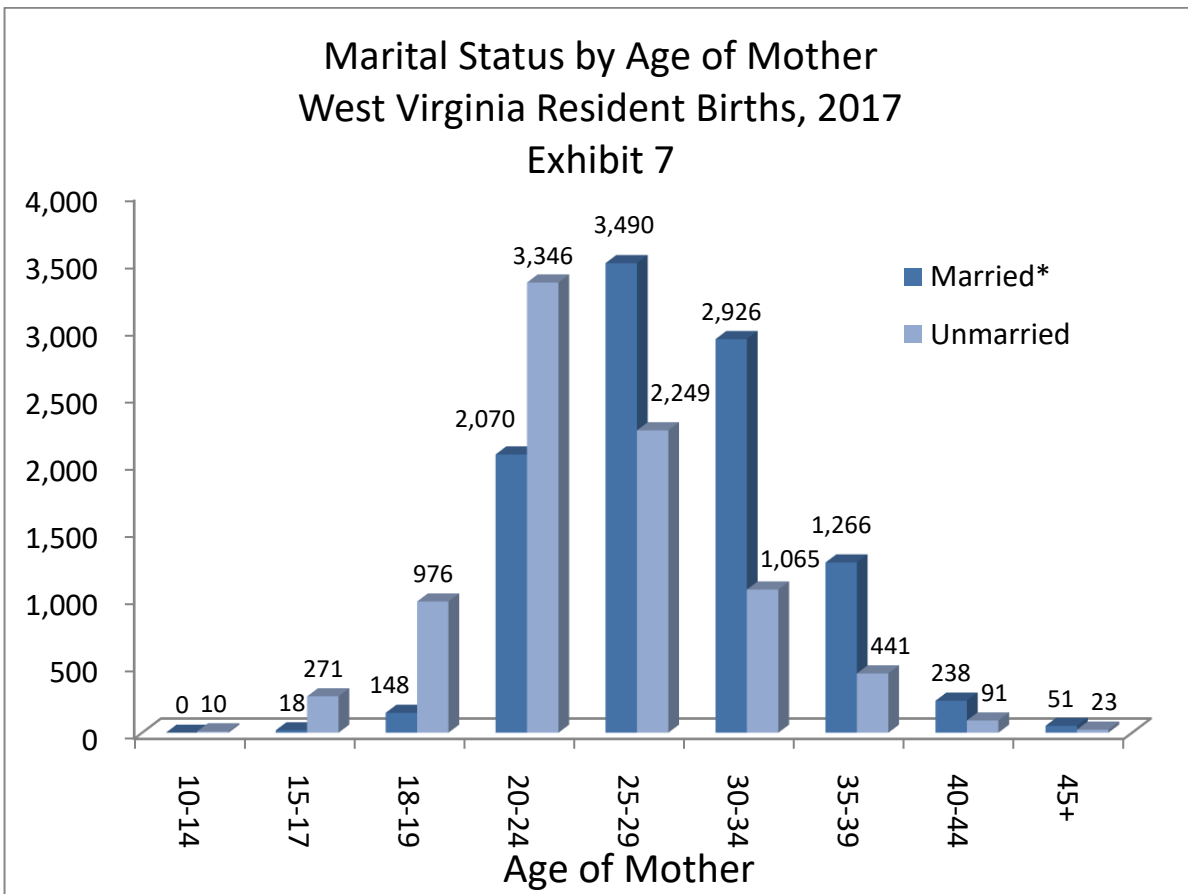
**Age of Mother**  
**West Virginia Resident Births, 2017**  
**Exhibit 6**



\*See Appendix C, page 174 for grams/pounds conversion.  
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**Marital Status by Age of Mother**  
**West Virginia Resident Births, 2013-2017**  
**Table 8**

Age of Mother	2013		2014		2015		2016		2017	
	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married
10-14	1	20	0	25	0	10	0	16	0	10
15-17	31	509	27	474	22	374	18	354	18	271
18-19	334	1,278	269	1,185	247	1,063	168	1,004	148	976
20-24	2,616	3,915	2,479	3,701	2,391	3,512	2,147	3,356	2,070	3,346
25-29	3,951	2,005	3,903	2,047	3,933	2,073	3,710	2,159	3,490	2,249
30-34	3,144	1,067	3,009	1,036	3,033	1,005	2,995	1,082	2,926	1,065
35-39	1,161	426	1,358	398	1,274	432	1,246	463	1,266	441
40-44	184	105	219	89	265	85	214	76	238	91
45+	28	50	54	29	37	22	39	23	51	23
Unknown	1	3	1	0	0	0	0	0	0	0
<b>WV Total</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>	<b>10,207</b>	<b>8,472</b>



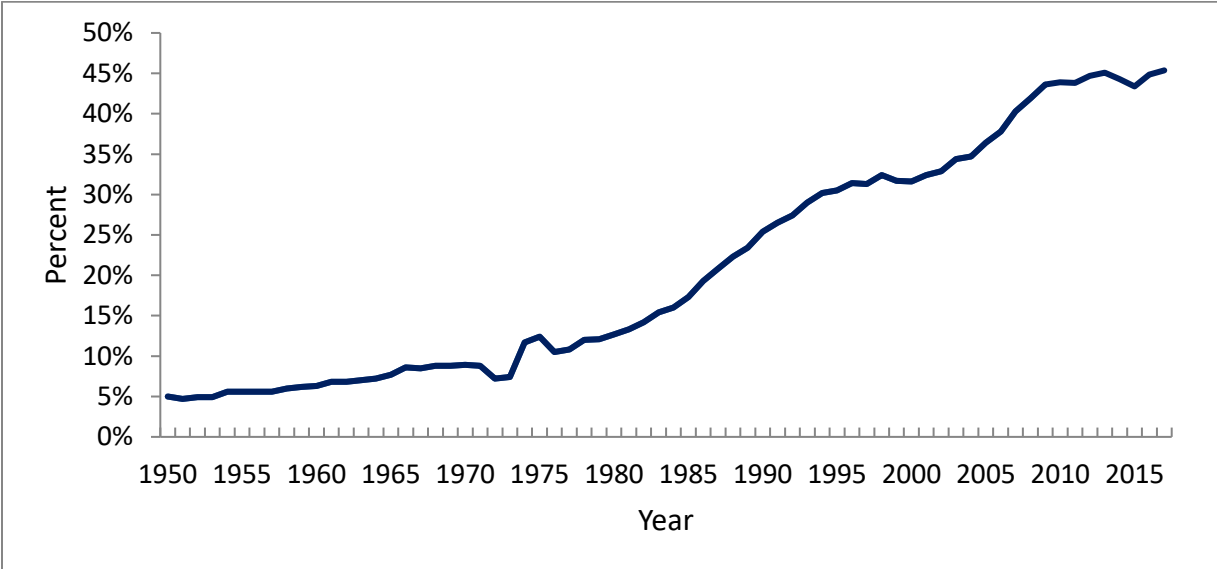
\*Includes unknown marital status: 2013 – 19; 2014 – 23; 2015 – 33; 2016 – 25; 2017 - 4

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Percent of Births to Unmarried Mothers  
West Virginia Residents, 1950-2017

Exhibit 8



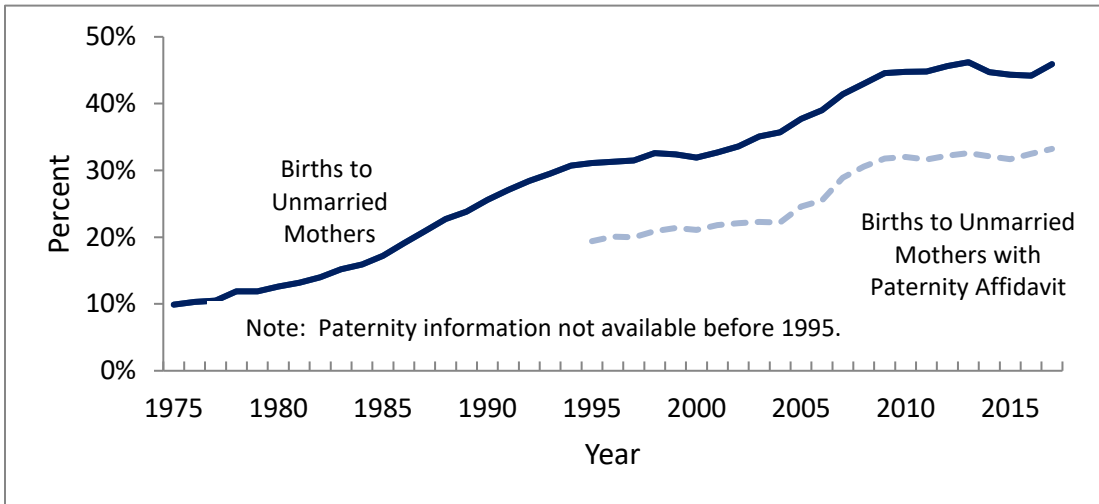
Year	Resident Births to Unmarried Mothers	
	Number	Percent of Total Births
1950	2,519	5.0%
1955	2,472	5.6%
1960	2,485	6.3%
1965	2,464	7.7%
1970	2,699	8.9%
1975	3,471	12.4%
1980	3,743	12.7%
1985	4,159	17.3%
1990	5,739	25.4%
1995	6,462	30.5%
2000	6,595	31.6%
2005	7,589	36.4%
2010	8,970	43.9%
2011	9,059	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%
2017	8,472	45.4%

Note: 2010 through 2017 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, 1975-2017

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%
2017	8,837	45.9%	6,396	33.2%

Note: 2008 through 2017 percentages are calculated excluding unknown marital status.

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Selected Factors by Race of Mother  
West Virginia Resident Births, 2017  
Table 9

Factor	White or Caucasian		Black or African American		All Other Races		Unknown	Total	
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Number	Percent*
Total Births	17,307		648		714		10	18,679	
<u>Low Birthweight</u> (< 2,500)	1,620	9.4%	92	14.2%	74	10.4%	1	1,787	9.6%
<u>Maternal Age</u>									
Mothers < 20 Years	1,327	7.7%	46	7.1%	50	7.0%	0	1,423	7.6%
Mothers < 15 Years	10	0.1%	0	0.0%	0	0.0%	0	10	0.1%
<u>Entry Into Prenatal Care</u>									
First Trimester	13,395	78.3%	447	70.3%	512	73.0%	4	14,358	77.8%
Second Trimester	2,645	15.5%	136	21.4%	117	16.7%	3	2,901	15.7%
Third Trimester	827	4.8%	37	5.8%	56	8.0%	2	922	5.0%
No Prenatal Care	232	1.4%	16	2.5%	16	2.3%	1	265	1.4%
Unknown	208		12		13		0	233	
<u>Gestational Age</u>									
< 32 Weeks	303	1.8%	26	4.0%	15	2.1%	0	344	1.8%
32-36 Weeks	1,760	10.2%	67	10.3%	70	9.8%	2	1,899	10.2%
37-38 Weeks	4,812	27.8%	191	29.5%	212	29.8%	1	5,216	27.9%
39+ Weeks	10,423	60.3%	364	56.2%	415	58.3%	7	11,209	60.0%
Unknown	9		0		2		0	11	
<u>Place of Birth</u>									
Hospital**	17,184	99.3%	644	99.4%	710	99.4%	10	18,548	99.3%
Non-Hospital	123	0.7%	4	0.6%	4	0.6%	0	131	0.7%
Unknown	0		0		0		0	0	

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

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

Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2017  
Table 10

Birth Characteristics	Time Prenatal Care Began									Total
	First Trimester		Second Trimester		Third Trimester		No Care		Un-known	
	Number	Percent	Number	Percent	Number	Percent*	Number	Percent*		
Mother's Race: All Races	14,358	77.8%	2,901	15.7%	922	5.0%	265	1.4%	233	18,679
Mother's Marital Status										
Married	8,444	83.8%	1,184	11.7%	368	3.7%	85	0.8%	122	10,203
Not Married	5,913	70.7%	1,714	20.5%	554	6.6%	180	2.2%	111	8,472
Unknown	1	25.0%	3	75.0%	0	0.0%	0	0.0%	0	4
Mother's Educational Level										
8th Grade or Less	115	55.3%	65	31.3%	19	9.1%	9	4.3%	3	211
9th-12th Grade, No Diploma	1,441	66.1%	501	23.0%	186	8.5%	51	2.3%	33	2,212
High School Graduate or GED Completed	4,429	74.6%	1,077	18.1%	323	5.4%	107	1.8%	74	6,010
Some College Credit but No Degree	3,143	77.5%	648	16.0%	209	5.2%	57	1.4%	49	4,106
Associate's Degree	1,496	82.7%	236	13.1%	59	3.3%	17	0.9%	23	1,831
Bachelor's Degree	2,240	87.0%	242	9.4%	81	3.1%	13	0.5%	31	2,607
Master's Degree	1,120	90.0%	91	7.3%	30	2.4%	4	0.3%	12	1,257
Doctorate or Professional Degree	358	88.2%	33	8.1%	12	3.0%	3	0.7%	8	414
Unknown	16	51.6%	8	25.8%	3	9.7%	4	12.9%	0	31
Mother's Race: White or Caucasian	13,395	78.3%	2,645	15.5%	827	4.8%	232	1.4%	208	17,307
Mother's Marital Status										
Married	8,029	84.3%	1,099	11.5%	321	3.4%	76	0.8%	112	9,637
Not Married	5,366	70.9%	1,544	20.4%	506	6.7%	156	2.1%	96	7,668
Unknown	0	0.0%	2	100.0%	0	0.0%	0	0.0%	0	2
Mother's Educational Level										
8th Grade or Less	105	53.8%	63	32.3%	18	9.2%	9	4.6%	3	198
9th-12th Grade, No Diploma	1,345	66.4%	464	22.9%	172	8.5%	45	2.2%	27	2,053
High School Graduate or GED Completed	4,152	74.9%	996	18.0%	297	5.4%	98	1.8%	66	5,609
Some College Credit but No Degree	2,923	78.2%	580	15.5%	187	5.0%	47	1.3%	44	3,781
Associate's Degree	1,412	83.4%	213	12.6%	54	3.2%	15	0.9%	21	1,715
Bachelor's Degree	2,091	87.5%	219	9.2%	68	2.8%	11	0.5%	27	2,416
Master's Degree	1,044	90.8%	80	7.0%	24	2.1%	2	0.2%	12	1,162
Doctorate or Professional Degree	313	90.2%	26	7.5%	6	1.7%	2	0.6%	8	355
Unknown	10	55.6%	4	22.2%	1	5.6%	3	16.7%	0	18

West Virginia Bureau for Public Health

\*Percentages are calculated excluding unknown.

Health Statistics Center, Vital Statistics System, 2022

Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2017  
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>	447	70.3%	136	21.4%	37	5.8%	16	2.5%	12	648
Mother's Marital Status										
Married	126	73.7%	27	15.8%	13	7.6%	5	2.9%	3	174
Not Married	321	69.0%	109	23.4%	24	5.2%	11	2.4%	9	474
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
Mother's Educational Level										
8th Grade or Less	3	75.0%	1	25.0%	0	0.0%	0	0.0%	0	4
9th-12th Grade, No Diploma	40	60.6%	17	25.8%	7	10.6%	2	3.0%	3	69
High School Graduate or GED Completed	157	70.4%	49	22.0%	10	4.5%	7	3.1%	6	229
Some College Credit but No Degree	117	66.1%	46	26.0%	10	5.6%	4	2.3%	1	178
Associate Degree	45	75.0%	11	18.3%	3	5.0%	1	1.7%	1	61
Bachelor's Degree	49	80.3%	6	9.8%	5	8.2%	1	1.6%	1	62
Master's Degree	30	81.1%	5	13.5%	1	2.7%	1	2.7%	0	37
Doctorate or Professional Degree	4	66.7%	1	16.7%	1	16.7%	0	0.0%	0	6
Unknown	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	2
<u>Mother's Race: All Other Races</u>	512	73.0%	117	16.7%	56	8.0%	16	2.3%	13	714
Mother's Marital Status										
Married	287	75.5%	56	14.7%	33	8.7%	4	1.1%	7	387
Not Married	225	70.3%	60	18.8%	23	7.2%	12	3.8%	6	326
Unknown	0	0.0%	1	0.0%	0	0.0%	0	0.0%	0	1
Mother's Educational Level										
8th Grade or Less	7	77.8%	1	11.1%	1	11.1%	0	0.0%	0	9
9th-12th Grade, No Diploma	56	64.4%	20	23.0%	7	8.0%	4	4.6%	3	90
High School Graduate or GED Completed	120	70.6%	32	18.8%	16	9.4%	2	1.2%	2	172
Some College Credit but No Degree	103	72.0%	22	15.4%	12	8.4%	6	4.2%	4	147
Associate Degree	39	72.2%	12	22.2%	2	3.7%	1	1.9%	1	55
Bachelor's Degree	100	79.4%	17	13.5%	8	6.3%	1	0.8%	3	129
Master's Degree	46	79.3%	6	10.3%	5	8.6%	1	1.7%	0	58
Doctorate or Professional Degree	40	76.9%	6	11.5%	5	9.6%	1	1.9%	0	52
Unknown	1	50.0%	1	50.0%	0	0.0%	0	0.0%	0	2

West Virginia Bureau for Public Health

\*Percentages are calculated excluding unknown.

Health Statistics Center, Vital Statistics System, 2022

Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2017

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	1,051	738	70.2%	16	1.5%	297	28.3%	161	15.3%	136	12.9%	0
Bluefield Regional Medical Center	536	339	63.2%	17	3.2%	180	33.6%	108	20.1%	72	13.4%	0
Braxton County Memorial Hospital	3	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Broaddus Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Memorial Division	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Teavs 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	2,733	1,599	58.5%	21	0.8%	1,113	40.7%	580	21.2%	533	19.5%	0
Cabell-Huntington Hospital	2,561	1,541	60.2%	26	1.0%	994	38.8%	540	21.1%	454	17.7%	0
Camden-Clark Medical Center Memorial Campus	1,312	759	57.9%	11	0.8%	542	41.3%	309	23.6%	233	17.8%	0
Davis Medical Center	314	214	68.2%	1	0.3%	99	31.5%	56	17.8%	43	13.7%	0
Fairmont Regional Medical Center	126	95	75.4%	1	0.8%	30	23.8%	15	11.9%	15	11.9%	0
Grant Memorial Hospital	253	143	56.5%	1	0.4%	109	43.1%	55	21.7%	54	21.3%	0
Greenbrier Valley Medical Center	469	351	74.8%	3	0.6%	115	24.5%	78	16.6%	37	7.9%	0
Hampshire Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Logan Regional Medical Center	169	88	52.1%	0	0.0%	81	47.9%	81	47.9%	0	0.0%	0
Monongalia General Hospital	1,121	774	69.0%	28	2.5%	319	28.5%	176	15.7%	143	12.8%	0
Ohio Valley Medical Center	324	202	62.3%	3	0.9%	119	36.7%	74	22.8%	45	13.9%	0
Pleasant Valley Hospital	130	85	65.4%	8	6.2%	37	28.5%	18	13.8%	19	14.6%	0
Preston Memorial Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Princeton Community Hospital	615	435	70.7%	2	0.3%	178	28.9%	117	19.0%	61	9.9%	0
Raleigh General Hospital	998	730	73.1%	22	2.2%	246	24.6%	123	12.3%	123	12.3%	0
St. Joseph's Hospital	282	206	73.0%	10	3.5%	66	23.4%	41	14.5%	25	8.9%	0
St. Mary's Medical Center	386	261	67.6%	4	1.0%	121	31.3%	74	19.2%	47	12.2%	0
Sistersville General Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Stonewall Jackson Memorial Hospital	173	119	68.8%	3	1.7%	51	29.5%	34	19.7%	17	9.8%	0
Summers County Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Summersville Regional Medical Center	50	27	54.0%	1	2.0%	22	44.0%	12	24.0%	10	20.0%	0
Thomas Memorial Hospital	1,041	535	51.4%	14	1.3%	492	47.3%	246	23.6%	246	23.6%	0
United Hospital Center	1,082	737	68.1%	26	2.4%	319	29.5%	176	16.3%	143	13.2%	0
University Healthcare Jefferson Medical Center	198	136	68.7%	4	2.0%	58	29.3%	33	16.7%	25	12.6%	0
WVU Hospitals, Inc.	1,431	852	59.5%	44	3.1%	535	37.4%	357	24.9%	178	12.4%	0
War Memorial Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Webster County Memorial Hospital	3	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	452	294	65.0%	8	1.8%	150	33.2%	74	16.4%	76	16.8%	0
Welch Community Hospital	17	12	70.6%	1	5.9%	4	23.5%	1	5.9%	3	17.6%	0
Wetzel County Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Wheeling Hospital	1,246	735	59.0%	6	0.5%	505	40.5%	375	30.1%	130	10.4%	0
Williamson Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
WomenCare Birth Center	16	16	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
---Non-Hospital	150	138	92.0%	12	8.0%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	19,255	12,180	63.3%	293	1.5%	6,782	35.2%	3,914	20.3%	2,868	14.9%	0

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
 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	650	468	72.0%	13	2.0%	169	26.0%	86	13.2%	83	12.8%	0
Bluefield Regional Medical Center	322	205	63.7%	6	1.9%	111	34.5%	62	19.3%	49	15.2%	0
Braxton County Memorial Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Broaddus Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Memorial Division	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Teavs Vallev 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	1,336	847	63.4%	10	0.7%	479	35.9%	232	17.4%	247	18.5%	0
Cabell-Huntington Hospital	1,381	895	64.8%	10	0.7%	476	34.5%	227	16.4%	249	18.0%	0
Camden-Clark Medical Center Memorial Campus	671	416	62.0%	5	0.7%	250	37.3%	146	21.8%	104	15.5%	0
Davis Medical Center	239	167	69.9%	0	0.0%	72	30.1%	43	18.0%	29	12.1%	0
Fairmont Regional Medical Center	90	67	74.4%	1	1.1%	22	24.4%	10	11.1%	12	13.3%	0
Grant Memorial Hospital	192	111	57.8%	0	0.0%	81	42.2%	38	19.8%	43	22.4%	0
Greenbrier Vallev Medical Center	355	278	78.3%	2	0.6%	75	21.1%	52	14.6%	23	6.5%	0
Hampshire Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Logan Regional Medical Center	97	53	54.6%	0	0.0%	44	45.4%	44	45.4%	0	0.0%	0
Monongalia General Hospital	782	546	69.8%	22	2.8%	214	27.4%	113	14.5%	101	12.9%	0
Ohio Vallev Medical Center	214	134	62.6%	3	1.4%	77	36.0%	50	23.4%	27	12.6%	0
Pleasant Vallev Hospital	97	65	67.0%	6	6.2%	26	26.8%	12	12.4%	14	14.4%	0
Preston Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Princeton Community Hospital	357	251	70.3%	1	0.3%	105	29.4%	67	18.8%	38	10.6%	0
Raleigh General Hospital	614	443	72.1%	13	2.1%	158	25.7%	72	11.7%	86	14.0%	0
St. Joseph's Hospital	194	141	72.7%	7	3.6%	46	23.7%	32	16.5%	14	7.2%	0
St. Mary's Medical Center	258	175	67.8%	3	1.2%	80	31.0%	52	20.2%	28	10.9%	0
Sistersville General Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Stonewall Jackson Memorial Hospital	113	81	71.7%	2	1.8%	30	26.5%	24	21.2%	6	5.3%	0
Summers County Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Summersville Regional Medical Center	40	21	52.5%	0	0.0%	19	47.5%	11	27.5%	8	20.0%	0
Thomas Memorial Hospital	584	310	53.1%	7	1.2%	267	45.7%	116	19.9%	151	25.9%	0
United Hospital Center	754	525	69.6%	17	2.3%	212	28.1%	110	14.6%	102	13.5%	0
University Healthcare Jefferson Medical Center	142	100	70.4%	2	1.4%	40	28.2%	24	16.9%	16	11.3%	0
WVU Hospitals, Inc.	664	453	68.2%	28	4.2%	183	27.6%	107	16.1%	76	11.4%	0
War Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Webster County Memorial Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	298	205	68.8%	5	1.7%	88	29.5%	44	14.8%	44	14.8%	0
Welch Community Hospital	9	7	77.8%	0	0.0%	2	22.2%	1	11.1%	1	11.1%	0
Wetzel County Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Wheeling Hospital	842	490	58.2%	5	0.6%	347	41.2%	247	29.3%	100	11.9%	0
Williamson Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
WomenCare Birth Center	13	13	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
---Non-Hospital	102	93	91.2%	9	8.8%	0	0.0%	0	0.0%	0	0.0%	0
<b>West Virginia Total Occurrences</b>	<b>11,419</b>	<b>7,569</b>	<b>66.3%</b>	<b>177</b>	<b>1.6%</b>	<b>3,673</b>	<b>32.2%</b>	<b>2,022</b>	<b>17.7%</b>	<b>1,651</b>	<b>14.5%</b>	<b>0</b>

West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2022

\*Percentages are calculated excluding unknown

Labor-Induced Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2017  
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	349	287	82.2%	4	1.1%	58	16.6%	55	15.8%	3	0.9%	0
Bluefield Regional Medical Center	260	203	78.1%	9	3.5%	48	18.5%	42	16.2%	6	2.3%	0
Braxton County Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Broaddus Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Memorial Division	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Teavs Vallev 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	1,675	1,156	69.0%	13	0.8%	506	30.2%	347	20.7%	159	9.5%	0
Cabell-Huntington Hospital	1,278	1,095	85.7%	11	0.9%	172	13.5%	153	12.0%	19	1.5%	0
Camden-Clark Medical Center Memorial Campus	528	374	70.8%	1	0.2%	153	29.0%	126	23.9%	27	5.1%	0
Davis Medical Center	73	64	87.7%	0	0.0%	9	12.3%	9	12.3%	0	0.0%	0
Fairmont Regional Medical Center	49	44	89.8%	1	2.0%	4	8.2%	4	8.2%	0	0.0%	0
Grant Memorial Hospital	98	75	76.5%	0	0.0%	23	23.5%	23	23.5%	0	0.0%	0
Greenbrier Vallev Medical Center	161	137	85.1%	1	0.6%	23	14.3%	22	13.7%	1	0.6%	0
Hampshire Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Logan Regional Medical Center	16	14	87.5%	0	0.0%	2	12.5%	2	12.5%	0	0.0%	0
Monongalia General Hospital	381	310	81.4%	6	1.6%	65	17.1%	64	16.8%	1	0.3%	0
Ohio Vallev Medical Center	154	127	82.5%	1	0.6%	26	16.9%	26	16.9%	0	0.0%	0
Pleasant Vallev Hospital	40	35	87.5%	0	0.0%	5	12.5%	5	12.5%	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	306	267	87.3%	0	0.0%	39	12.7%	36	11.8%	3	1.0%	0
Raleigh General Hospital	325	279	85.8%	6	1.8%	40	12.3%	40	12.3%	0	0.0%	0
St. Joseph's Hospital	123	93	75.6%	4	3.3%	26	21.1%	22	17.9%	4	3.3%	0
St. Mary's Medical Center	190	152	80.0%	1	0.5%	37	19.5%	36	18.9%	1	0.5%	0
Sistersville General Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Stonewall Jackson Memorial Hospital	73	50	68.5%	1	1.4%	22	30.1%	21	28.8%	1	1.4%	0
Summers County Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Summersville Regional Medical Center	19	12	63.2%	0	0.0%	7	36.8%	7	36.8%	0	0.0%	0
Thomas Memorial Hospital	587	479	81.6%	12	2.0%	96	16.4%	87	14.8%	9	1.5%	0
United Hospital Center	432	351	81.3%	5	1.2%	76	17.6%	74	17.1%	2	0.5%	0
University Healthcare Jefferson Medical Center	70	53	75.7%	0	0.0%	17	24.3%	17	24.3%	0	0.0%	0
WVU Hospitals, Inc.	585	446	76.2%	17	2.9%	122	20.9%	114	19.5%	8	1.4%	0
War Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Webster County Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	173	135	78.0%	5	2.9%	33	19.1%	30	17.3%	3	1.7%	0
Welch Community Hospital	5	4	80.0%	0	0.0%	1	20.0%	0	0.0%	1	20.0%	0
Wetzel County Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Wheeling Hospital	404	306	75.7%	4	1.0%	94	23.3%	94	23.3%	0	0.0%	0
Williamson Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
WomenCare Birth Center	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
---Non-Hospital	5	5	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
<b>West Virginia Total Occurrences</b>	<b>8,360</b>	<b>6,554</b>	<b>78.4%</b>	<b>102</b>	<b>1.2%</b>	<b>1,704</b>	<b>20.4%</b>	<b>1,456</b>	<b>17.4%</b>	<b>248</b>	<b>3.0%</b>	<b>0</b>

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\*Percentages are calculated excluding unknown



**Mother's Marital Status and Method of Paternity Establishment  
Unmarried Mothers by Hospital of Birth  
West Virginia Occurrences, 2017**

**Table 14**

Hospital	Total Births	Mother's Marital Status			Mother Unmarried with Paternity Established			Mother Unmarried with Father Unknown
		Married (or Un-known)	Un-married	Percent Un-married	Paternity Affidavit Accepted	Percent of Un-married Births	Father Established by Other Methods	
Berkeley Medical Center	1,051	462	589	56.0%	397	67.4%	8	184
Bluefield Regional Medical Center	536	259	277	51.7%	163	58.8%	8	106
Braxton County Memorial Hospital	3	2	1	33.3%	1	100.0%	0	0
Broadus Hospital	1	0	1	100.0%	1	100.0%	0	0
C.A.M.C. - Memorial Division	1	0	1	100.0%	0	0.0%	0	1
C.A.M.C. - Teays Valley Hospital	1	0	1	100.0%	1	100.0%	0	0
C.A.M.C. - Women & Children's Hospital	2,733	1,504	1,229	45.0%	908	73.9%	29	292
Cabell-Huntington Hospital	2,561	1,390	1,171	45.7%	839	71.6%	44	288
Camden-Clark Medical Center Memorial	1,312	676	636	48.5%	448	70.4%	12	176
Davis Medical Center	314	138	176	56.1%	136	77.3%	7	33
Fairmont Regional Medical Center	126	60	66	52.4%	53	80.3%	1	12
Grant Memorial Hospital	253	113	140	55.3%	114	81.4%	3	23
Greenbrier Valley Medical Center	469	235	234	49.9%	176	75.2%	4	54
Hampshire Memorial Hospital	1	0	1	100.0%	0	0.0%	0	1
Logan Regional Medical Center	169	67	102	60.4%	45	44.1%	2	55
Monongalia General Hospital	1,121	761	360	32.1%	274	76.1%	5	81
Ohio Valley Medical Center	324	135	189	58.3%	145	76.7%	2	42
Pleasant Valley Hospital	130	64	66	50.8%	50	75.8%	2	14
Preston Memorial Hospital	2	0	2	100.0%	0	0.0%	0	2
Princeton Community Hospital	615	350	265	43.1%	194	73.2%	9	62
Raleigh General Hospital	998	465	533	53.4%	337	63.2%	5	191
St. Joseph's Hospital	282	146	136	48.2%	103	75.7%	3	30
St. Mary's Medical Center	386	280	106	27.5%	82	77.4%	1	23
Sistersville General Hospital	2	1	1	50.0%	1	100.0%	0	0
Stonewall Jackson Memorial Hospital	173	73	100	57.8%	70	70.0%	4	26
Summers County Hospital	1	0	1	100.0%	1	100.0%	0	0
Summersville Regional Medical Center	50	27	23	46.0%	16	69.6%	0	7
Thomas Memorial Hospital	1,041	526	515	49.5%	390	75.7%	15	110
United Hospital Center	1,082	577	505	46.7%	409	81.0%	10	86
University Healthcare Jefferson Medical	198	103	95	48.0%	73	76.8%	1	21
WVU Hospitals, Inc.	1,431	926	505	35.3%	345	68.3%	11	149
War Memorial Hospital	2	0	2	100.0%	2	100.0%	0	0
Webster County Memorial Hospital	3	2	1	33.3%	1	100.0%	0	0
Weirton Medical Center	452	253	199	44.0%	150	75.4%	7	42
Welch Community Hospital	17	6	11	64.7%	5	45.5%	1	5
Wetzel County Hospital	1	0	1	100.0%	1	100.0%	0	0
Wheeling Hospital	1,246	693	553	44.4%	435	78.7%	10	108
Williamson Memorial Hospital	1	0	1	100.0%	1	100.0%	0	0
WomenCare Birth Center	16	16	0	0.0%	0	0.0%	0	0
---Non-Hospital	150	110	40	26.7%	27	67.5%	0	13
<b>WV Total Occurrences</b>	<b>19,255</b>	<b>10,420</b>	<b>8,835</b>	<b>45.9%</b>	<b>6,394</b>	<b>72.4%</b>	<b>204</b>	<b>2,237</b>

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Out-of-State Occurrences  
West Virginia Resident Births, 2013-2017  
Table 15

State	2013 Births	2014 Births	2015 Births	2016 Births	2017 Births
Virginia	970	911	936	868	933
Maryland	721	674	622	622	626
Ohio	464	561	476	418	465
Kentucky	134	140	142	143	167
Pennsylvania	99	99	112	89	106
North Carolina	3	3	3	7	6
Tennessee	6	6	2	7	1
District of Columbia	5	4	5	3	2
Texas	0	5	2	3	0
California	4	2	1	0	2
Florida	1	0	4	2	1
Utah	3	0	1	2	1
Colorado	1	1	3	0	0
Georgia	0	2	0	1	2
Indiana	1	0	1	1	2
All Other States/Countries	7	5	7	5	8
Total	2,419	2,413	2,317	2,171	2,322

Out-of-State Resident Births Born in West Virginia  
West Virginia Occurrence Births, 2013-2017  
Table 16

State	2013 Births	2014 Births	2015 Births	2016 Births	2017 Births
Ohio	1,599	1,611	1,733	1,785	1,728
Kentucky	370	351	471	415	419
Pennsylvania	324	287	317	352	329
Virginia	293	276	282	276	262
Maryland	82	93	99	96	105
North Carolina	7	6	12	9	5
Tennessee	3	6	7	5	6
Texas	1	7	7	2	6
Florida	3	1	9	7	2
South Carolina	3	4	2	6	4
New York	7	2	3	2	2
Illinois	2	3	1	3	4
Georgia	2	3	1	1	3
Louisiana	0	3	1	4	2
New Jersey	4	2	2	2	0
All Other States/Countries	17	11	18	25	21
Total	2,717	2,666	2,965	2,990	2,898

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West Virginia Vital Statistics  
**Deaths**

## Death Summary

The number of West Virginia resident deaths increased by 569, from 22,721 in 2016 to 23,290 in 2017. The state's crude death rate rose from 2016 at 12.4 per 1,000 population to 12.8 in 2017. The average age at death for West Virginians was 71.7 (68.9 for men and 74.7 for women), compared to the 2016 average of 71.7 (68.7 for men and 75.0 for women). In 2017, 142 West Virginia residents who died were age 100 or older. The oldest man was 105 years old while the oldest woman was 110 years old at the time of death.

Heart disease, the leading cause of death in the Mountain State for the second straight year, cancer, and accidents were the three leading causes of death, accounting for 49.0% of West Virginia resident deaths in 2017. Compared with 2016, the number of state deaths due to heart disease increased by 105 or 2.2% while cancer deaths increased by just seven (7) or 0.2%. Also on the rise in 2017 were influenza/pneumonia deaths, the ninth leading cause of death in West Virginia, which increased by 9.3% in 2017; deaths caused by chronic lower respiratory disease (the fourth leading cause) increased by 84 or 5.3%; and stroke deaths increased by 20 or 1.9%. Diabetes mellitus deaths increased by five (5) or 0.6% and dementia, the sixth leading cause of death in the Mountain State increased by three (3) or 0.3%. Alzheimer's disease remained the eighth leading cause of death in West Virginia but decreased by 12 or 1.5%.

Accidental deaths were the third leading cause of death in West Virginia for the second year in a row. The number of accidental deaths rose by 174 (10.2%), from 1,706 in 2016 to 1,880 in 2017. Accidents were the leading cause of death for ages one through 44 years. Motor vehicle accidents and accidental poisoning fatalities were the two leading causes of death for young adults aged 15 through 24, accounting for over half (56.5%) of all deaths for this age group in 2017. Motor vehicle accident deaths increased by 40 or 13.5%, from 297 in 2016 to 337 in 2017. West Virginia's 2017 motor vehicle fatalities included four children under five years of age, one more than 2016. Accidental poisoning deaths are still a major concern in West Virginia, as it increased by 127 (15.0%) from 847 in 2016 to 974 in 2017. Accidental poisoning accounted for nearly forty-five percent (44.1%) of all deaths in the age group of 25-34.

Suicides increased by 32, from 363 to 395 between 2016 and 2017. Male suicides increased by 27 or 9.6%, from 281 in 2016 to 308 in 2017; the number of female suicides (87) increased by 5 or 6.1% from 2016. Sixty-eight percent (67.6%) of all suicide deaths were firearm related — 74.7% of male suicides and 42.5% of female suicides. The average age of death for a suicide victim in 2017 was 49.1 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 11 in 2017, two fewer than 2016.

Homicides increased by only two (1.8%), from 110 in 2016 to 112 in 2017. Seventy-six (76) of the homicide victims were male, 36 were female. The average age at death for a homicide victim in 2017 was 41.1 years. There were five homicide victims under the age of five in 2017, one more than 2016. Over sixty percent (61.6%) of 2017 homicide deaths were due to firearms.

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

Data structure for deaths changed extensively in the middle of 2017. There is more diversity in determining the race of the decedent. The new structure allows more options and the ability to accurately report more than one race. The decedent'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 reported as 9<sup>th</sup> – 12<sup>th</sup> grade with no diploma, high school graduate, some college credit but no degree, etc. There are now factors which state whether tobacco was a contributory factor in the cause of death and for women, if they were pregnant at the time or within one year of their death. Also, a section was added pertaining to transport accidents stating if the occupant was the driver, passenger, etc. and if seatbelts or any other restraint was used. Where applicable, it also states if helmets were worn. Additional tables will be added in future *Vital Statistics* publications as data becomes available.

### Years of Potential Life Lost (YPLL)

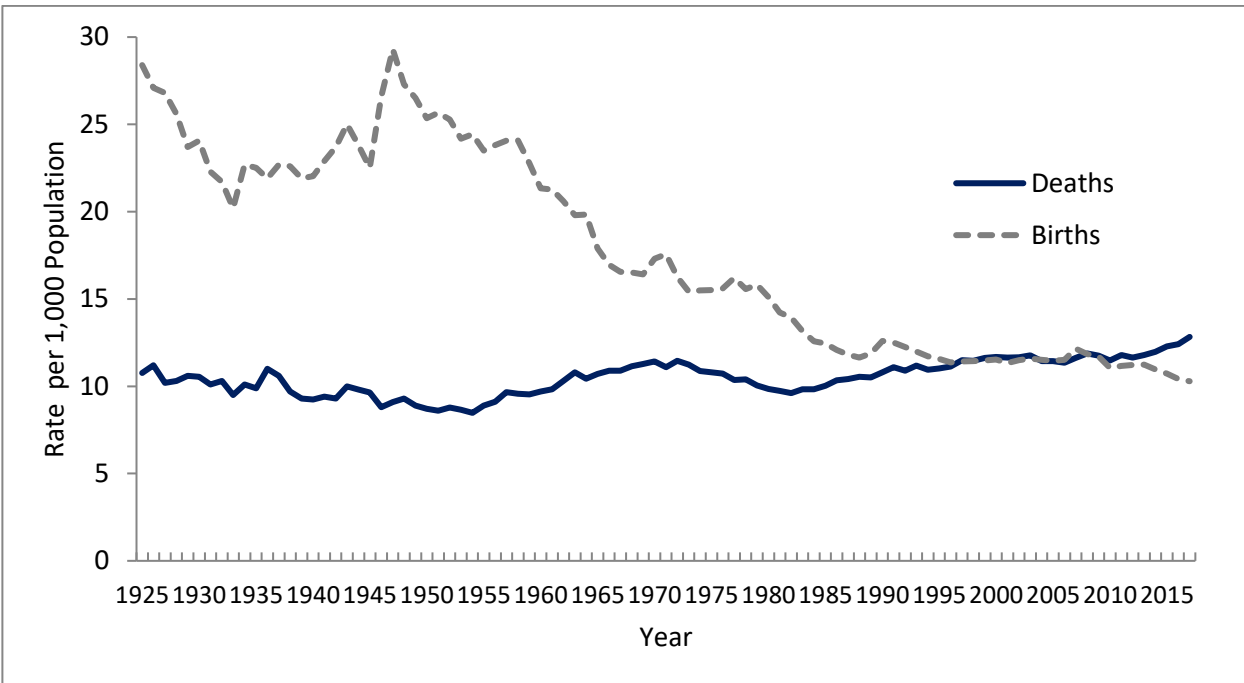
YPLL is a measure of mortality calculated as the difference between age 75 (an average life span) and the age at death. Using YPLL before age 75, the sum of YPLL across all causes of death represents the total YPLL for all persons dying before the age of 75. A person dying at the age of 31 would, therefore, contribute 44 years to the total YPLL ( $75-31=44$ ). YPLL is an important tool in emphasizing and evaluating causes of premature death.

YPLL from all causes increased 1.6%, from 190,820 YPLL in 2016 to 193,932 in 2017. The four leading causes of YPLL in 2017 were non-motor vehicle accidents (37,659 YPLL), malignant neoplasms (33,724 YPLL), diseases of the heart (24,548 YPLL), and suicides (10,488 YPLL). Combined, these four causes accounted for over half (54.9%) of all years of potential life lost in 2017. In comparison to 2016, YPLL attributed to non-motor vehicle accidents increased from 18.0% to 19.4% of the total YPLL, malignant neoplasms decreased from 17.8% to 17.4%, YPLL due to diseases of the heart decreased from 12.9% to 12.7% and the percentage of total YPLL due to suicides increased from 5.3% to 5.4%.

Note: All percentage differences in this summary are calculated by using the previous year's result as the denominator.

## Number and Rate of Resident Deaths (Compared to Births) West Virginia, 1925-2017

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
2017	23,290	12.8	18,679	10.3

Summary Totals  
West Virginia Resident Deaths, 2017  
Table 17

Characteristic	Number	Percent	Characteristic	Number	Percent
<u>Total</u>			<u>Place Death Occurred</u>		
Residence	23,290	100.0%	WV Hospital	7,197	30.9%
Occurrence	22,576		Home	7,046	30.3%
<u>Gender</u>			Licensed Nursing Home	3,479	14.9%
Male	11,999	51.5%	Hospice Care	2,477	10.6%
Female	11,291	48.5%	Named Place or Street Address	650	2.8%
<u>Disposition of Death</u>			Out-of-State Hospital	1,634	7.0%
Burial	12,638	54.8%	Other Personal Care	706	3.0%
Cremation	8,211	35.6%	En Route to Hospital	86	0.4%
Removal from State	1,365	5.9%	Clinic or Center	14	0.1%
Donation	419	1.8%	Other and Unknown	1	0.0%
Other	428	1.9%	<u>Race</u>		
Unknown	229		White or Caucasian	22,532	96.7%
<u>Age at Death</u>			Black or African American	672	2.9%
Less than One Year of Age	133	0.6%	All Other Races	86	0.4%
One to Four Years	23	0.1%	<u>Leading Causes of Death</u>		
Five to Fourteen Years	30	0.1%	Diseases of the Heart	4,867	20.9%
Fifteen to Nineteen Years	59	0.3%	Malignant Neoplasms	4,658	20.0%
Twenty to Twenty-Four Years	148	0.6%	Accidents, All Forms	1,880	8.1%
Twenty-Five to Thirty-Four Years	540	2.3%	Chronic Lower Respiratory Disease	1,679	7.2%
Thirty-Five to Forty-Four Years	836	3.6%	Cerebrovascular Disease	1,058	4.5%
Forty-Five to Fifty-Four Years	1,539	6.6%	Dementia	904	3.9%
Fifty-Five to Sixty-Four Years	3,391	14.6%	Diabetes Mellitus	864	3.7%
Sixty-Five to Seventy-Four Years	4,909	21.1%	Alzheimer's Disease	771	3.3%
Seventy-Five to Eighty-Four Years	5,653	24.3%	Influenza and Pneumonia	460	2.0%
Eighty-Five Years and Older	6,029	25.9%	Nephritis, Nephrotic Syndrome and Nephrosis	436	1.9%
			All Other Causes (Residual)	5,713	24.5%

Note: En Route to Hospital includes any patient status listed as Dead On Arrival  
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Out-of-State Occurrences  
West Virginia Resident Deaths, 2013-2017  
Table 18

State	2013 Deaths	2014 Deaths	2015 Deaths	2016 Deaths	2017 Deaths
Ohio	613	681	604	709	671
Virginia	552	609	603	578	621
Maryland	256	274	301	259	281
Pennsylvania	214	208	171	289	293
Kentucky	140	178	178	200	252
North Carolina	58	53	71	60	77
Florida	49	46	46	50	47
South Carolina	20	14	17	20	23
District of Columbia	11	15	20	19	16
Tennessee	20	12	20	4	22
Georgia	7	11	11	7	9
Texas	11	8	5	3	9
All Other States/Countries	41	38	58	61	59
Total	1,992	2,147	2,105	2,259	2,380

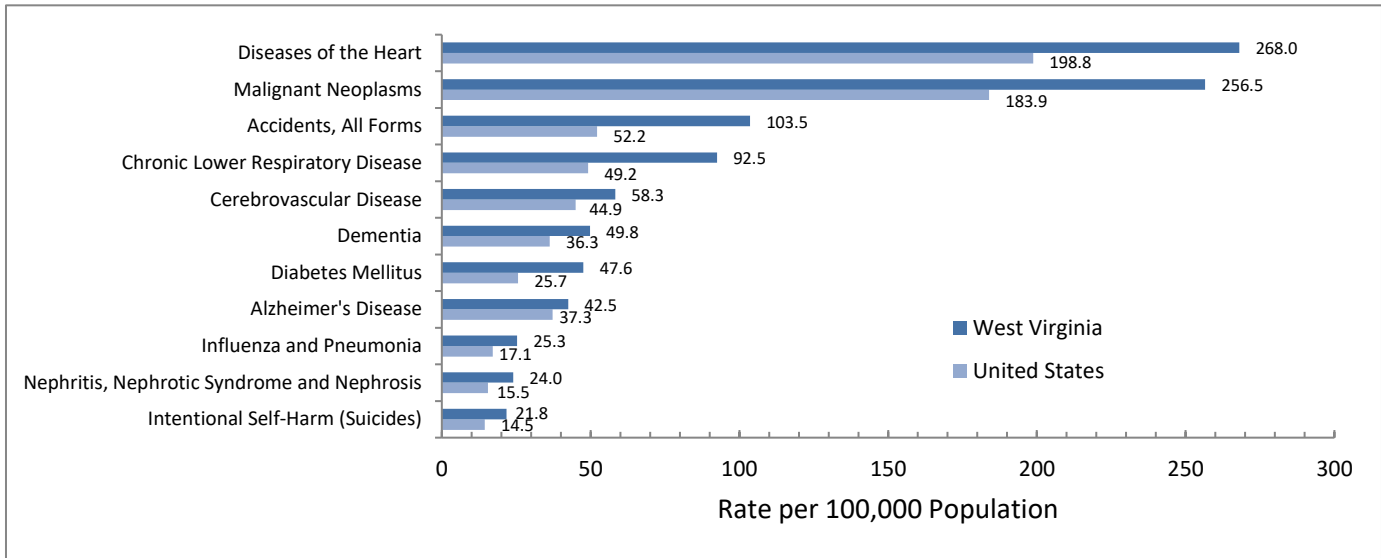
Deaths to Out-of-State Residents  
West Virginia Occurrence Deaths, 2013-2017  
Table 19

State	2013 Deaths	2014 Deaths	2015 Deaths	2016 Deaths	2017 Deaths
Ohio	762	800	845	807	818
Virginia	166	169	192	183	178
Pennsylvania	176	161	178	147	177
Maryland	153	145	157	155	187
Kentucky	183	184	155	121	145
Florida	29	18	25	27	39
North Carolina	17	23	17	13	18
Michigan	6	11	6	12	21
South Carolina	8	8	5	6	16
Tennessee	8	8	10	6	8
Texas	5	9	2	8	9
New York	5	7	6	7	4
All Other States/Countries	49	45	42	47	46
Total	1,567	1,588	1,640	1,539	1,666

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**2017 West Virginia and United States Resident Deaths**  
**Leading Causes of Death**  
**Exhibit 11**



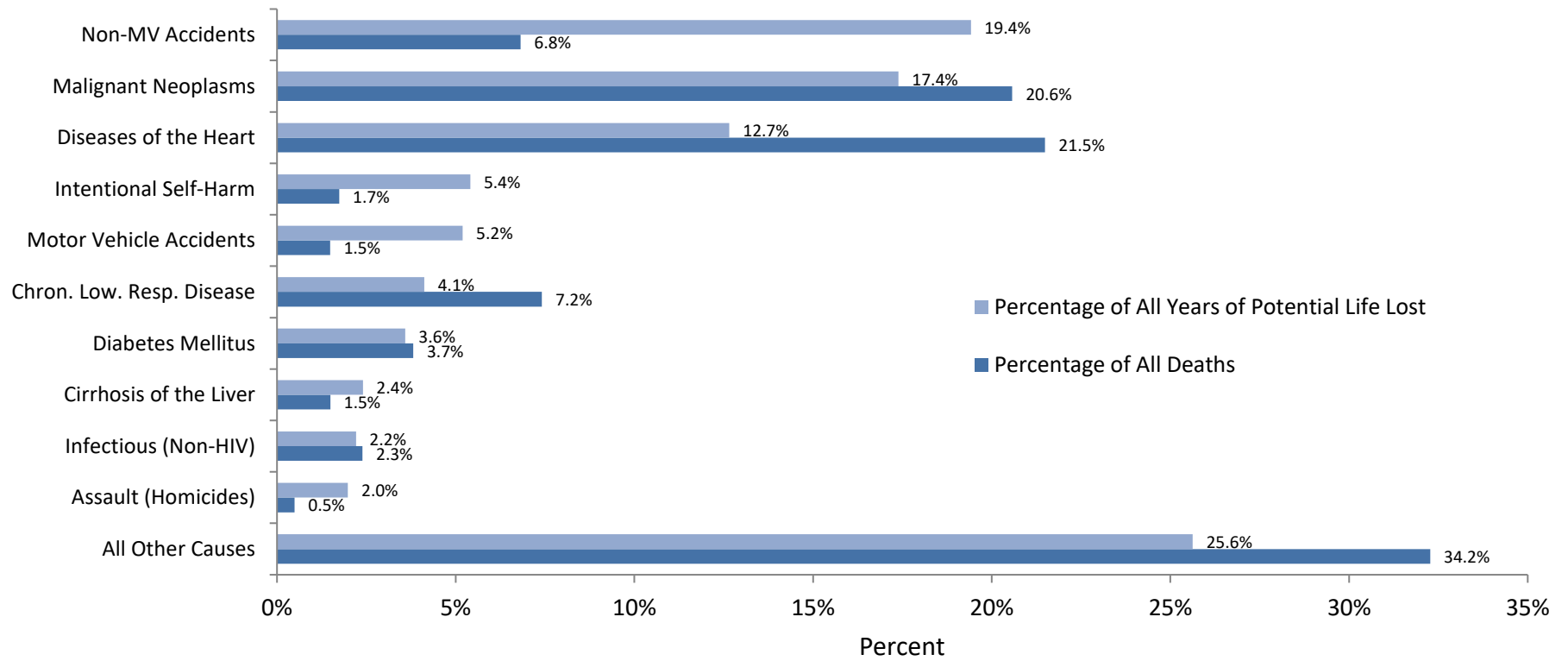
Leading Cause of Death	West Virginia			United States*		
	Number of Deaths	Rate per 100,000 Population	Percent of Total	Number of Deaths	Rate per 100,000 Population	Percent of Total
Diseases of the Heart	4,867	268.0	20.9%	647,457	198.8	23.0%
Malignant Neoplasms	4,658	256.5	20.0%	599,108	183.9	21.3%
Accidents, All Forms	1,880	103.5	8.1%	169,936	52.2	6.0%
Chronic Lower Respiratory Disease	1,679	92.5	7.2%	160,201	49.2	5.7%
Cerebrovascular Disease	1,058	58.3	4.5%	146,383	44.9	5.2%
Dementia	904	49.8	3.9%	118,181	36.3	4.2%
Diabetes Mellitus	864	47.6	3.7%	83,564	25.7	3.0%
Alzheimer's Disease	771	42.5	3.3%	121,404	37.3	4.3%
Influenza and Pneumonia	460	25.3	2.0%	55,672	17.1	2.0%
Nephritis, Nephrotic Syndrome and Nephrosis	436	24.0	1.9%	50,633	15.5	1.8%
Intentional Self-Harm (Suicides)	395	21.8	1.7%	47,173	14.5	1.7%
<b>Total for Leading Causes</b>	<b>17,972</b>	<b>989.7</b>	<b>77.2%</b>	<b>2,199,712</b>	<b>675.3</b>	<b>78.2%</b>
All Other Causes (Residual)	5,318	292.9	22.8%	613,791	188.4	21.8%
<b>Total for All Causes</b>	<b>23,290</b>	<b>1,282.6</b>	<b>100.0%</b>	<b>2,813,503</b>	<b>863.8</b>	<b>100.0%</b>

\* CDC Wonder - <http://wonder.cdc.gov>  
 West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2022

Top Twenty Leading Causes of Years of Potential Life Lost Before Age 75\*  
 Compared to Actual Deaths of All Ages  
 West Virginia Residents, 2016 and 2017  
 Table 20

Cause of Death	Years of Potential Life Lost Before Age 75				Actual Deaths			
	2016		2017		2016		2017	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Causes	190,820	100.0%	193,917	100.0%	22,721	100.0%	23,290	100.0%
Non-Motor Vehicle Accidents	34,399	18.0%	37,659	19.4%	1,409	6.2%	1,543	6.6%
Malignant Neoplasms (Cancer)	33,920	17.8%	33,724	17.4%	4,651	20.5%	4,658	20.0%
Diseases of the Heart	24,523	12.9%	24,548	12.7%	4,762	21.0%	4,867	20.9%
Intentional Self-Harm (Suicides)	10,190	5.3%	10,488	5.4%	363	1.6%	395	1.7%
Motor Vehicle Accidents	8,497	4.5%	10,077	5.2%	297	1.3%	337	1.4%
Chronic Lower Respiratory Diseases	8,236	4.3%	7,995	4.1%	1,595	7.0%	1,679	7.2%
Diabetes Mellitus	7,313	3.8%	6,955	3.6%	859	3.8%	864	3.7%
Chronic Liver Disease and Cirrhosis	4,236	2.2%	4,663	2.4%	311	1.4%	338	1.5%
Infectious and Parasitic Diseases (excluding HIV)	4,599	2.4%	4,280	2.2%	538	2.4%	541	2.3%
Assault (Homicides)	4,203	2.2%	3,846	2.0%	110	0.5%	112	0.5%
Cerebrovascular Diseases (Stroke)	3,990	2.1%	3,759	1.9%	1,038	4.6%	1,058	4.5%
Congenital Malformations	3,982	2.1%	3,693	1.9%	88	0.4%	77	0.3%
Alcohol or Drug Psychoses, Dependence or Abuse	2,727	1.4%	3,389	1.7%	127	0.6%	151	0.6%
Essential Hypertension and Hypertensive Renal Disease	1,945	1.0%	2,203	1.1%	290	1.3%	324	1.4%
Obesity	1,697	0.9%	2,028	1.0%	84	0.4%	108	0.5%
Nephritis, Nephrotic Syndrome and Nephrosis	2,445	1.3%	1,913	1.0%	476	2.1%	436	1.9%
Influenza and Pneumonia	2,346	1.2%	1,764	0.9%	421	1.9%	460	2.0%
Injury Undetermined Whether Accidental or Purposely Inflicted	1,945	1.0%	1,588	0.8%	66	0.3%	54	0.2%
Sudden Infant Death Syndrome	1,714	0.9%	1,192	0.6%	23	0.1%	16	0.1%
Disorders Relating to Short Gestation and Unspecified Low Birthweight	1,490	0.8%	596	0.3%	20	0.1%	8	0.0%
All Other Causes (Residual)	26,427	13.8%	27,560	14.2%	5,193	22.9%	5,264	22.6%

**Top Ten Causes of Years of Potential Life Lost Before Age 75  
Compared to Resident Deaths of All Ages  
West Virginia Resident Deaths, 2017  
Exhibit 12**



West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2017

Table 21

Leading Causes of Death	Total. All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	11,999		11,291		23,290	
Diseases of the Heart	2,578	21.5%	2,289	20.3%	4,867	20.9%
Malignant Neoplasms (Cancer)	2,492	20.8%	2,166	19.2%	4,658	20.0%
Accidents, All Forms	1,221	10.2%	659	5.8%	1,880	8.1%
Chronic Lower Respiratory Disease	789	6.6%	890	7.9%	1,679	7.2%
Cerebrovascular Disease (Stroke)	430	3.6%	628	5.6%	1,058	4.5%
Dementia	305	2.5%	599	5.3%	904	3.9%
Diabetes Mellitus	477	4.0%	387	3.4%	864	3.7%
Alzheimer's Disease	226	1.9%	545	4.8%	771	3.3%
Influenza and Pneumonia	219	1.8%	241	2.1%	460	2.0%
Nephritis, Nephrotic Syndrome and Nephrosis	206	1.7%	230	2.0%	436	1.9%
All Other Causes (Residual)	3,056	25.5%	2,657	23.5%	5,713	24.5%

Leading Causes of Death	Less than One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	72		61		133	
Congenital Malformations	17	23.6%	21	34.4%	38	28.6%
Sudden Infant Death Syndrome	9	12.5%	7	11.5%	16	12.0%
Disorders Relating to Short Gestation/Unspecified LBW	3	4.2%	5	8.2%	8	6.0%
Other Respiratory and Cardiovascular Conditions of the Newborn	2	2.8%	5	8.2%	7	5.3%
Maternal Complications of Pregnancy	4	5.6%	2	3.3%	6	4.5%
Injury Undetermined Whether Accidental or Purposely Inflicted	4	5.6%	1	1.6%	5	3.8%
Accidents, All Forms	3	2.8%	1	3.3%	4	3.0%
Complications of Placenta, Cord, and Membrane	3	4.2%	1	1.6%	4	3.0%
Other and Unspecified Perinatal Conditions	2	2.8%	2	3.3%	4	3.0%
Assault (Homicides)	2	2.8%	1	1.6%	3	2.3%
Infections Specific to the Perinatal Period	2	2.8%	1	1.6%	3	2.3%
Intrauterine Hypoxia and Birth Asphyxia	3	4.2%	0	0.0%	3	2.3%
Infectious and Parasitic Diseases	1	1.4%	2	3.3%	3	2.3%
All Other Causes (Residual)	17	23.6%	12	19.7%	29	21.8%

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	11		12		23	
Accidents, All Forms	5	45.5%	4	33.3%	9	39.1%
Assault (Homicides)	1	9.1%	1	8.3%	2	8.7%
Ill-Defined Conditions	1	9.1%	1	8.3%	2	8.7%
All Other Causes (Residual)	4	36.4%	6	50.0%	10	43.5%

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, 2022

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2017  
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	11		6		17	
Accidents, All Forms	5	45.5%	1	16.7%	6	35.3%
Assault (Homicides)	1	9.1%	1	16.7%	2	11.8%
Congenital Malformations	2	18.2%	0	0.0%	2	11.8%
Ill-Defined Conditions	1	9.1%	1	16.7%	2	11.8%
All Other Causes (Residual)	2	18.2%	3	50.0%	5	29.4%

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	8		5		13	
Accidents, All Forms	3	37.5%	3	60.0%	6	46.2%
Malignant Neoplasms (Cancer)	1	12.5%	1	20.0%	2	15.4%
All Other Causes (Residual)	4	50.0%	1	20.0%	5	38.5%

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	143		64		207	
Accidents, All Forms	94	65.7%	36	56.3%	130	62.8%
Intentional Self-Harm (Suicides)	26	18.2%	6	9.4%	32	15.5%
Assault (Homicides)	7	4.9%	3	4.7%	10	4.8%
Malignant Neoplasms (Cancer)	2	1.4%	4	6.3%	6	2.9%
Diseases of the Heart	2	1.4%	2	3.1%	4	1.9%
Diabetes Mellitus	0	0.0%	4	6.3%	4	1.9%
All Other Causes (Residual)	12	8.4%	9	14.1%	21	10.1%

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	356		184		540	
Accidents, All Forms	203	57.0%	97	52.7%	300	55.6%
Intentional Self-Harm (Suicides)	50	14.0%	13	7.1%	63	11.7%
Diseases of the Heart	15	4.2%	14	7.6%	29	5.4%
Assault (Homicides)	19	5.3%	8	4.3%	27	5.0%
Malignant Neoplasms (Cancer)	7	2.0%	9	4.9%	16	3.0%
Diabetes Mellitus	4	1.1%	2	1.1%	6	1.1%
Injury Undetermined Whether Accidental or Purposely Inflicted	4	1.1%	1	0.5%	5	0.9%
Obesity	4	1.1%	1	0.5%	5	0.9%
Congenital Malformations	4	1.1%	0	0.0%	4	0.7%
Influenza and Pneumonia	1	0.3%	3	1.6%	4	0.7%
Chronic Liver Disease and Cirrhosis	3	0.8%	0	0.0%	3	0.6%
Nephritis, Nephrotic Syndrome and Nephrosis	2	0.6%	1	0.5%	3	0.6%
Septicemia	2	0.6%	1	0.5%	3	0.6%
All Other Causes (Residual)	38	10.7%	34	18.5%	72	13.3%

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, 2022

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2017  
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	532		304		836	
Accidents, All Forms	239	44.9%	114	37.5%	353	42.2%
Malignant Neoplasms (Cancer)	41	7.7%	48	15.8%	89	10.6%
Diseases of the Heart	54	10.2%	28	9.2%	82	9.8%
Intentional Self-Harm (Suicides)	58	10.9%	13	4.3%	71	8.5%
Assault (Homicides)	14	2.6%	9	3.0%	23	2.8%
Diabetes Mellitus	11	2.1%	10	3.3%	21	2.5%
Chronic Liver Disease and Cirrhosis	17	3.2%	4	1.3%	21	2.5%
Obesity	6	1.1%	10	3.3%	16	1.9%
Cerebrovascular Disease (Stroke)	8	1.5%	5	1.6%	13	1.6%
Chronic Lower Respiratory Disease	4	0.8%	7	2.3%	11	1.3%
Septicemia	8	1.5%	1	0.3%	9	1.1%
Essential Hypertension and Hypertensive Renal Disease	7	1.3%	2	0.7%	9	1.1%
All Other Causes (Residual)	65	12.2%	53	17.4%	118	14.1%

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	939		600		1,539	
Accidents, All Forms	213	22.7%	94	15.7%	307	19.9%
Malignant Neoplasms (Cancer)	139	14.8%	143	23.8%	282	18.3%
Diseases of the Heart	164	17.5%	82	13.7%	246	16.0%
Diabetes Mellitus	38	4.0%	30	5.0%	68	4.4%
Intentional Self-Harm (Suicides)	62	6.6%	23	3.8%	85	5.5%
Diabetes Mellitus	38	4.0%	30	5.0%	68	4.4%
Chronic Liver Disease and Cirrhosis	44	4.7%	18	3.0%	62	4.0%
Chronic Lower Respiratory Disease	23	2.4%	32	5.3%	55	3.6%
Cerebrovascular Disease (Stroke)	14	1.5%	18	3.0%	32	2.1%
Essential Hypertension and Hypertensive Renal Disease	17	1.8%	13	2.2%	30	1.9%
All Other Causes (Residual)	187	19.9%	117	19.5%	304	19.8%

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,998		1,393		3,391	
Malignant Neoplasms (Cancer)	525	26.3%	447	32.1%	972	28.7%
Diseases of the Heart	380	19.0%	206	14.8%	586	17.3%
Accidents, All Forms	184	9.2%	81	5.8%	265	7.8%
Chronic Lower Respiratory Disease	124	6.2%	135	9.7%	259	7.6%
Diabetes Mellitus	97	4.9%	75	5.4%	172	5.1%
Chronic Liver Disease and Cirrhosis	70	3.5%	44	3.2%	114	3.4%
Cerebrovascular Disease (Stroke)	53	2.7%	47	3.4%	100	2.9%
Intentional Self-Harm (Suicides)	45	2.3%	18	1.3%	63	1.9%
Nephritis, Nephrotic Syndrome and Nephrosis	31	1.6%	25	1.8%	56	1.7%
Septicemia	34	1.7%	22	1.6%	56	1.7%
Essential Hypertension and Hypertensive Renal Disease	36	1.8%	16	1.1%	52	1.5%
All Other Causes (Residual)	419	21.0%	277	19.9%	696	20.5%

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, 2022

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2017  
Table 21 (Cont'd)

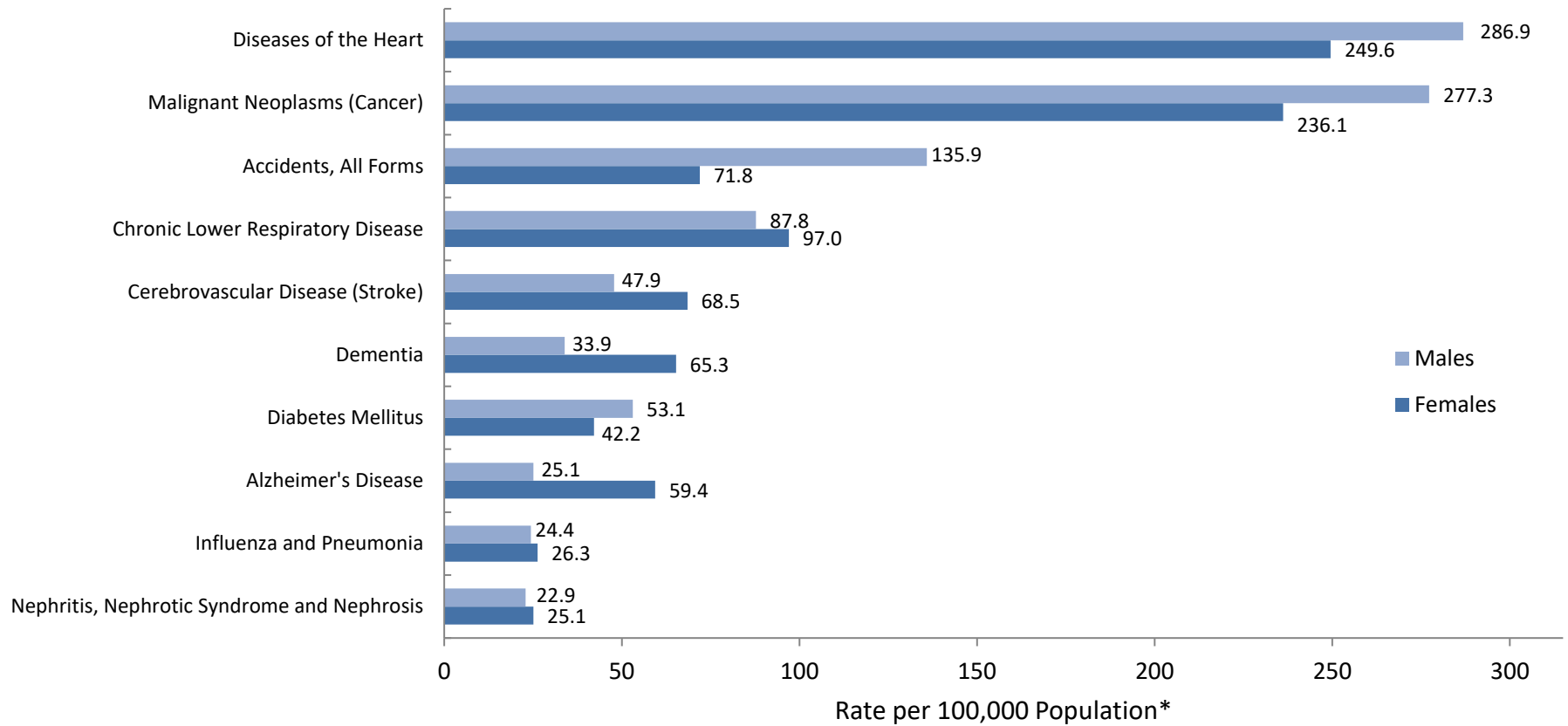
Leading Causes of Death	Sixty-Five to Seventy-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,797		2,112		4,909	
Malignant Neoplasms (Cancer)	812	29.0%	636	30.1%	1,448	29.5%
Diseases of the Heart	629	22.5%	364	17.2%	993	20.2%
Chronic Lower Respiratory Disease	233	8.3%	242	11.5%	475	9.7%
Diabetes Mellitus	155	5.5%	95	4.5%	250	5.1%
Cerebrovascular Disease (Stroke)	106	3.8%	84	4.0%	190	3.9%
Accidents, All Forms	108	3.9%	38	1.8%	146	3.0%
Septicemia	51	1.8%	47	2.2%	98	2.0%
Nephritis, Nephrotic Syndrome and Nephrosis	38	1.4%	48	2.3%	86	1.8%
Influenza and Pneumonia	44	1.6%	38	1.8%	82	1.7%
Chronic Liver Disease and Cirrhosis	49	1.8%	31	1.5%	80	1.6%
All Other Causes (Residual)	572	20.5%	489	23.2%	1,061	21.6%

Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,860		2,793		5,653	
Diseases of the Heart	689	24.1%	579	20.7%	1,268	22.4%
Malignant Neoplasms (Cancer)	664	23.2%	559	20.0%	1,223	21.6%
Chronic Lower Respiratory Disease	247	8.6%	276	9.9%	523	9.3%
Cerebrovascular Disease (Stroke)	136	4.8%	187	6.7%	323	5.7%
Dementia	92	3.2%	137	4.9%	229	4.1%
Alzheimer's Disease	86	3.0%	141	5.0%	227	4.0%
Diabetes Mellitus	114	4.0%	97	3.5%	211	3.7%
Accidents, All Forms	91	3.2%	74	2.6%	165	2.9%
Influenza and Pneumonia	58	2.0%	75	2.7%	133	2.4%
Nephritis, Nephrotic Syndrome and Nephrosis	58	2.0%	72	2.6%	130	2.3%
All Other Causes (Residual)	625	21.9%	596	21.3%	1,221	21.6%

Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,272		3,757		6,029	
Diseases of the Heart	644	28.3%	1,013	27.0%	1,657	27.5%
Malignant Neoplasms (Cancer)	299	13.2%	319	8.5%	618	10.2%
Dementia	181	8.0%	421	11.2%	602	10.0%
Alzheimer's Disease	111	4.9%	369	9.8%	480	8.0%
Cerebrovascular Disease (Stroke)	113	5.0%	285	7.6%	398	6.6%
Chronic Lower Respiratory Disease	158	7.0%	196	5.2%	354	5.9%
Accidents, All Forms	73	3.2%	116	3.1%	189	3.1%
Influenza and Pneumonia	80	3.5%	99	2.6%	179	3.0%
Nephritis, Nephrotic Syndrome and Nephrosis	66	2.9%	76	2.0%	142	2.4%
Diabetes Mellitus	58	2.6%	74	2.0%	132	2.2%
All Other Causes (Residual)	489	21.5%	789	21.0%	1,278	21.2%

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, 2022

2017 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, 2022

\*Using 2017 estimated Census data for WV: Males = 898,620; Females = 917,237



Types of Firearm Injury Deaths by Age Group and Gender  
West Virginia Residents, 2017  
Table 22

	Age in Years									Total
	0-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	
<b>Both Genders</b>										
Accidental	0	0	1	2	0	1	0	1	0	5
Intentional Self-Harm (Suicide)	0	1	4	15	38	38	57	45	69	267
Assault (Homicide)	1	0	0	7	17	19	12	7	6	69
Legal Intervention	0	0	0	0	2	1	1	1	0	5
Undetermined	0	0	0	0	0	0	1	2	0	3
<b>Total</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>24</b>	<b>57</b>	<b>59</b>	<b>71</b>	<b>56</b>	<b>75</b>	<b>349</b>
<b>Male</b>										
Accidental	0	0	1	1	0	1	0	1	0	4
Intentional Self-Harm (Suicide)	0	1	4	14	31	34	48	38	60	230
Assault (Homicide)	0	0	0	4	14	11	9	3	6	47
Legal Intervention	0	0	0	0	2	1	1	1	0	5
Undetermined	0	0	0	0	0	0	1	2	0	3
<b>Total</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>19</b>	<b>47</b>	<b>47</b>	<b>59</b>	<b>45</b>	<b>66</b>	<b>289</b>
<b>Female</b>										
Accidental	0	0	0	1	0	0	0	0	0	1
Intentional Self-Harm (Suicide)	0	0	0	1	7	4	9	7	9	37
Assault (Homicide)	1	0	0	3	3	8	3	4	0	22
Legal Intervention	0	0	0	0	0	0	0	0	0	0
Undetermined	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>9</b>	<b>60</b>

Non-Transport Accidental Injury Deaths  
Place Where Injury Occurred  
West Virginia Residents, 2017  
Table 23

Place of Injury	Male	Female	Total
Home	530	311	841
Farm	2	0	2
Mine and Quarry	5	0	5
Industrial Places	1	0	1
Public Building	0	1	1
Recreational Places	1	0	1
Resident Institution	12	26	38
Street and Highway	4	3	7
Other Specified Places	313	152	465
Unspecified Places	13	10	23
<b>Total</b>	<b>881</b>	<b>503</b>	<b>1,384</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99*	Total Deaths, All Causes	23,290	12.8
A00-B99	Certain Infectious and Parasitic Diseases	550	30.3
A00-A09	Intestinal Infectious Diseases	61	3.4
A04	Other Bacterial Intestinal Infections	51	2.8
A07	Other Protozoal Intestinal Diseases	1	0.1
A08	Viral and Other Specified Intestinal Infections	1	0.1
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	8	0.4
A15-A19	Tuberculosis	1	0.1
A16	Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically	1	0.1
A30-A49	Other Bacterial Diseases	392	21.6
A31	Infection due to Other Mycobacteria	1	0.1
A40	Streptococcal Septicemia	1	0.1
A41	Other Septicemia	374	20.6
A43	Nocardiosis	1	0.1
A48	Other Bacterial Diseases, Not Elsewhere Classified	2	0.1
A49	Bacterial Infection of Unspecified Site	13	0.7
A80-A89	Viral Infections of the Central Nervous System	7	0.4
A81	Slow Virus Infections of Central Nervous System	5	0.3
A85	Other Viral Encephalitis, Not Elsewhere Classified	1	0.1
A87	Viral Meningitis	1	0.1
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	10	0.6
B00	Herpesviral [Herpes Simplex] Infection	8	0.4
B02	Zoster [Herpes Zoster]	2	0.1
B15-B19	Viral Hepatitis	39	2.1
B15	Acute Hepatitis A	1	0.1
B16	Acute Hepatitis B	7	0.4
B17	Other Acute Viral Hepatitis	1	0.1
B18	Chronic Viral Hepatitis	30	1.7
B20-B24	Human Immunodeficiency Virus [HIV] Disease	9	0.5
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	4	0.2
B22	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Specified Diseases	1	0.1
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	2	0.1
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	2	0.1
B25-B34	Other Viral Diseases	9	0.5
B34	Viral Infection of Unspecified Site	9	0.5
B35-B49	Mycoses	8	0.4
B40	Blastomycosis	1	0.1
B44	Aspergillosis	1	0.1
B45	Cryptococcosis	2	0.1
B49	Unspecified Mycosis	4	0.2
B50-B64	Protozoal Diseases	1	0.1
B59	Pneumocystosis	1	0.1
B85-B89	Pediculosis, Acariasis and Other Infestations	1	0.1
B89	Unspecified Parasitic Disease	1	0.1
B90-B94	Sequelae of Infectious and Parasitic Diseases	7	0.4
B90	Sequelae of Tuberculosis	1	0.1
B91	Sequelae of Poliomyelitis	3	0.2
B94	Sequelae of Other and Unspecified Infectious and Parasitic Diseases	3	0.2
B99	Other Infectious Diseases	5	0.3
B99	Other and Unspecified Infectious Diseases	5	0.3
C00-D48	Neoplasms	4,780	263.2
C00-C97	Malignant Neoplasms	4,658	256.5
C01	Malignant Neoplasm of Base of Tongue	2	0.1
C02	Malignant Neoplasm of Other and Unspecified Parts of Tongue	17	0.9
C05	Malignant Neoplasm of Palate	1	0.1
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	13	0.7
C07	Malignant Neoplasm of Parotid Gland	5	0.3
C08	Malignant Neoplasm of Other and Unspecified Major Salivary Glands	3	0.2
C09	Malignant Neoplasm of Tonsil	7	0.4
C10	Malignant Neoplasm of Oropharynx	10	0.6

\*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.  
West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C11	Malignant Neoplasm of Nasopharynx	4	0.2
C13	Malignant Neoplasm of Hypopharynx	2	0.1
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	10	0.6
C15-C26	Malignant Neoplasms of Digestive Organs	1,101	60.6
C15	Malignant Neoplasm of Esophagus	136	7.5
C16	Malignant Neoplasm of Stomach	60	3.3
C17	Malignant Neoplasm of Small Intestine	6	0.3
C18	Malignant Neoplasm of Colon	317	17.5
C19	Malignant Neoplasm of Rectosigmoid Junction	19	1.0
C20	Malignant Neoplasm of Rectum	58	3.2
C21	Malignant Neoplasm of Anus and Anal Canal	9	0.5
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	184	10.1
C23	Malignant Neoplasm of Gallbladder	6	0.3
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	16	0.9
C25	Malignant Neoplasm of Pancreas	278	15.3
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	12	0.7
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,395	76.8
C32	Malignant Neoplasm of Larynx	51	2.8
C33	Malignant Neoplasm of Trachea	1	0.1
C34	Malignant Neoplasm of Bronchus and Lung	1,340	73.8
C37	Malignant Neoplasm of Thymus	1	0.1
C38	Malignant Neoplasm of Heart, Mediastinum and Pleura	1	0.1
C39	Malignant Neoplasm of Other and Ill-Defined Sites in the Respiratory System and Intrathoracic Organs	1	0.1
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	10	0.6
C41	Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites	10	0.6
C43-C44	Melanoma and Other Malignant Neoplasms of Skin	116	6.4
C43	Malignant Neoplasm of Skin	71	3.9
C44	Other Malignant Neoplasms of Skin	45	2.5
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	49	2.7
C45	Mesothelioma	22	1.2
C46	Kaposi's Sarcoma	1	0.1
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	8	0.4
C49	Malignant Neoplasm of Other Connective and Soft Tissue	18	1.0
C50	Malignant Neoplasm of Breast	302	16.6
C50	Malignant Neoplasm of Breast	302	16.6
C51-C58	Malignant Neoplasms of Female Genital Organs	207	11.4
C51	Malignant Neoplasm of Vulva	14	0.8
C52	Malignant Neoplasm of Vagina	1	0.1
C53	Malignant Neoplasm of Cervix Uteri	29	1.6
C54	Malignant Neoplasm of Corpus Uteri	31	1.7
C55	Malignant Neoplasm of Uterus, Part Unspecified	31	1.7
C56	Malignant Neoplasm of Ovary	97	5.3
C57	Malignant Neoplasm of Other and Unspecified Female Genital Organs	4	0.2
C60-C63	Malignant Neoplasms of Male Genital Organs	179	9.9
C60	Malignant Neoplasm of Penis	1	0.1
C61	Malignant Neoplasm of Prostate	177	9.7
C62	Malignant Neoplasm of Testis	1	0.1
C64-C68	Malignant Neoplasms of Urinary Tract	245	13.5
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	115	6.3
C66	Malignant Neoplasm of Ureter	3	0.2
C67	Malignant Neoplasm of Bladder	125	6.9
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	2	0.1
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	121	6.7
C69	Malignant Neoplasm of Eye and Adnexa	3	0.2
C71	Malignant Neoplasm of Brain	118	6.5
C73-C75	Malignant Neoplasms of Other Endocrine Glands	14	0.8
C73	Malignant Neoplasm of Thyroid Gland	10	0.6
C74	Malignant Neoplasm of Adrenal Gland	4	0.2
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	367	20.2
C76	Malignant Neoplasm of Other and Ill-Defined Sites	11	0.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	49	2.7
C79	Secondary Malignant Neoplasm of Other Sites	43	2.4
C80	Malignant Neoplasm without Specification of Site	264	14.5
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	431	23.7
C81	Hodgkin's Disease	9	0.5
C82	Follicular [Nodular] Non-Hodgkin's Lymphoma	3	0.2
C83	Diffuse Non-Hodgkin's Lymphoma	40	2.2
C84	Peripheral and Cutaneous T-Cell Lymphoma	6	0.3
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	114	6.3
C88	Malignant Immunoproliferative Diseases	2	0.1
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	81	4.5
C91	Lymphoid Leukemia	47	2.6
C92	Myeloid Leukemia	92	5.1
C93	Monocytic Leukemia	2	0.1
C94	Other Leukemias of Specified Cell Type	3	0.2
C95	Leukemia of Unspecified Cell Type	31	1.7
C96	Other and Unspecified Malignant Neoplasm of Lymphoid, Hematopoietic and Related Tissue	1	0.1
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	47	2.6
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	47	2.6
D10-D36	Benign Neoplasms	6	0.3
D13	Benign Neoplasm of Other and Ill-Defined Parts of Digestive System	1	0.1
D27	Benign Neoplasm of Ovary	1	0.1
D32	Benign Neoplasm of Meninges	3	0.2
D36	Benign Neoplasm of Other and Unspecified Sites	1	0.1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	116	6.4
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	8	0.4
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	14	0.8
D39	Neoplasm of Uncertain or Unknown Behavior of Female Genital Organs	1	0.1
D41	Neoplasm of Uncertain or Unknown Behavior of Urinary Organs	2	0.1
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	18	1.0
D44	Neoplasm of Uncertain or Unknown Behavior of Endocrine Glands	1	0.1
D45	Polycythemia Vera	1	0.1
D46	Myelodysplastic Syndromes	51	2.8
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	10	0.6
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	10	0.6
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	107	5.9
D50-D53	Nutritional Anemias	5	0.3
D50	Iron Deficiency Anemia	5	0.3
D55-D59	Hemolytic Anemias	1	0.1
D59	Acquired Hemolytic Anemia	1	0.1
D60-D64	Aplastic and Other Anemias	54	3.0
D61	Other Aplastic Anemias	8	0.4
D62	Acute Posthemorrhagic Anemia	6	0.3
D64	Other Anemias	40	2.2
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	30	1.7
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	7	0.4
D66	Hereditary Factor VIII Deficiency	1	0.1
D68	Other Coagulation Defects	11	0.6
D69	Purpura and Other Hemorrhagic Conditions	11	0.6
D70-D77	Other Diseases of Blood and Blood-forming Organs	5	0.3
D70	Agranulocytosis	1	0.1
D72	Other Disorders of White Blood Cells	2	0.1
D73	Diseases of Spleen	1	0.1
D75	Other Diseases of Blood and-Blood forming Organs	1	0.1
D80-D89	Certain Disorders Involving the Immune Mechanism	12	0.7
D84	Other Immunodeficiencies	1	0.1
D86	Sarcoidosis	9	0.5
D89	Other Disorders Involving the Immune Mechanism, Not Elsewhere Classified	2	0.1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,348	74.2
E00-E07	Disorders of Thyroid Gland	21	1.2

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
E03	Other Hypothyroidism	18	1.0
E05	Thyrotoxicosis [Hyperthyroidism]	2	0.1
E06	Thyroiditis	1	0.1
E10-E14	Diabetes Mellitus	864	47.6
E10	Insulin-Dependent Diabetes Mellitus	62	3.4
E11	Non-Insulin-Dependent Diabetes Mellitus	331	18.2
E12	Malnutrition-Related Diabetes Mellitus	1	0.1
E14	Unspecified Diabetes Mellitus	470	25.9
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	1	0.1
E16	Other Disorders of Pancreatic Internal Secretion	1	0.1
E20-E35	Disorders of Other Endocrine Glands	8	0.4
E21	Hypoparathyroidism and Other Disorders of Parathyroid Gland	2	0.1
E23	Hyperfunction and Other Disorders of Pituitary Gland	1	0.1
E27	Other Disorders of Adrenal Gland	5	0.3
E40-E46	Malnutrition	62	3.4
E41	Nutritional Marasmus	1	0.1
E43	Unspecified Severe Protein-Energy Malnutrition	28	1.5
E44	Protein-Energy Malnutrition of Moderate and Mild Degree	1	0.1
E46	Unspecified Protein-Energy Malnutrition	32	1.8
E50-E64	Other Nutritional Deficiencies	2	0.1
E51	Thiamine Deficiency	1	0.1
E53	Deficiency of Other B Group Vitamins	1	0.1
E65-E68	Obesity and Other Hyperalimentation	108	5.9
E66	Obesity	108	5.9
E70-E90	Metabolic Disorders	282	15.5
E72	Other Disorders of Amino-Acid Metabolism	2	0.1
E75	Disorders of Sphingolipid Metabolism and Other Lipid Storage Disorders	1	0.1
E78	Disorders of Lipoprotein Metabolism and Other Lipidemias	165	9.1
E80	Disorders of Porphyrin and Bilirubin Metabolism	1	0.1
E83	Disorders of Mineral Metabolism	3	0.2
E84	Cystic Fibrosis	5	0.3
E85	Amyloidosis	8	0.4
E86	Volume Depletion	15	0.8
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	61	3.4
E88	Other Metabolic Disorders	21	1.2
F00-F99	Mental and Behavioral Disorders	1,078	59.4
F00-F09	Organic, Including Symptomatic, Mental Disorders	914	50.3
F01	Vascular Dementia	87	4.8
F03	Unspecified Dementia	817	45.0
F05	Delirium, Not Induced by Alcohol and Other Psychoactive Substances	3	0.2
F06	Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease	7	0.4
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	151	8.3
F10	Mental and Behavioral Disorders due to Use of Alcohol	103	5.7
F11	Mental and Behavioral Disorders due to Use of Opioids	1	0.1
F14	Mental and Behavioral Disorders due to Use of Cocaine	1	0.1
F15	Mental and Behavioral Disorders due to Use of Other Stimulants, Including Caffeine	1	0.1
F17	Mental and Behavioral Disorders due to Use of Tobacco	11	0.6
F19	Mental and Behavioral Disorders due to Multiple Drug Use and Use of Other Psychoactive Substances	34	1.9
F20-F29	Schizophrenia, Schizotypal and Delusional Disorders	5	0.3
F20	Schizophrenia	4	0.2
F25	Schizoaffective Disorders	1	0.1
F30-F39	Mood [Affective] Disorders	2	0.1
F32	Depressive Episode	2	0.1
F40-F48	Neurotic, Stress-Related and Somatoform Disorders	1	0.1
F43	Reaction to Severe Stress, and Adjustment Disorders	1	0.1
F50-F59	Behavioral Syndromes Associated with Physiological Disturbances and Physical Factors	2	0.1
F54	Psychological and Behavioral Factors Associated with Disorders or Diseases Classified Elsewhere	2	0.1
F80-F89	Disorders of Psychological Development	3	0.2
F81	Specific Developmental Disorders of Scholastic Skills	3	0.2
G00-G99	Diseases of the Nervous System	1,418	78.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
G00-G09	Inflammatory Diseases of the Central Nervous System	9	0.5
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 Intraspinial Abscess and Granuloma	4	0.2
G10-G14	Systemic Atrophies Primarily Affecting the Central Nervous System	68	3.7
G10	Huntington's Disease	13	0.7
G11	Hereditary Ataxia	3	0.2
G12	Spinal Muscular Atrophy and Related Syndromes	51	2.8
G14	Postpolio Syndrome	1	0.1
G20-G26	Extrapyramidal and Movement Disorders	216	11.9
G20	Parkinson's Disease	200	11.0
G21	Secondary Parkinsonism	4	0.2
G23	Other Degenerative Diseases of Basal Ganglia	9	0.5
G24	Dystonia	1	0.1
G25	Other Extrapyramidal and Movement Disorders	2	0.1
G30-G32	Other Degenerative Diseases of the Nervous System	904	49.8
G30	Alzheimer's Disease	771	42.5
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	133	7.3
G35-G37	Demyelinating Diseases of the Central Nervous System	42	2.3
G35	Multiple Sclerosis	38	2.1
G36	Other Acute Disseminated Demyelination	1	0.1
G37	Other Demyelinating	3	0.2
G40-G47	Episodic and Paroxysmal Disorders	16	0.9
G40	Epilepsy	6	0.3
G41	Status Epilepticus	7	0.4
G47	Sleep Disorders	3	0.2
G60-G64	Polyneuropathies and Other Disorders of the Peripheral Nervous System	7	0.4
G60	Hereditary and Idiopathic Neuropathy	2	0.1
G61	Inflammatory Polyneuropathy	2	0.1
G62	Other Polyneuropathies	3	0.2
G70-G73	Diseases of Myoneural Junction and Muscle	26	1.4
G70	Myasthenia Gravis and Other Myoneural Disorders	8	0.4
G71	Primary Disorders of Muscles	13	0.7
G72	Other Myopathies	5	0.3
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	32	1.8
G80	Infantile Cerebral Palsy	23	1.3
G81	Hemiplegia	1	0.1
G82	Paraplegia and Tetraplegia	7	0.4
G83	Other Paralytic Syndromes	1	0.1
G90-G99	Other Disorders of the Nervous System	98	5.4
G90	Disorders of Autonomic Nervous System	1	0.1
G91	Hydrocephalus	2	0.1
G92	Toxic Encephalopathy	1	0.1
G93	Other Disorders of Brain	88	4.8
G95	Other Diseases of Spinal Cord	4	0.2
G96	Other Disorders of Central Nervous System	2	0.1
I00-I99	Diseases of the Circulatory System	6,522	359.2
I00-I09, I11, I13, I20-I51	Diseases of the Heart	4,867	268.0
I05-I09	Chronic Rheumatic Heart Diseases	22	1.2
I05	Rheumatic Mitral Valve Diseases	15	0.8
I06	Rheumatic Aortic Valve Diseases	1	0.1
I08	Multiple Valve Diseases	6	0.3
I10-I15	Hypertensive Diseases	561	30.9
I10	Essential (Primary) Hypertension	241	13.3
I11	Hypertensive Heart Disease	209	11.5
I12	Hypertensive Renal Disease	83	4.6
I13	Hypertensive Heart and Renal Disease	28	1.5
I20-I25	Ischemic Heart Diseases	3,302	181.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
I21	Acute Myocardial Infarction	868	47.8
I24	Other Acute Ischemic Heart Diseases	29	1.6
I25	Chronic Ischemic Heart Disease	2,405	132.4
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	104	5.7
I26	Pulmonary Embolism	44	2.4
I27	Other Pulmonary Heart Diseases	60	3.3
I30-I52	Other forms of Heart Diseases	1,202	66.2
I31	Other Diseases of Pericardium	5	0.3
I33	Acute and Subacute Endocarditis	18	1.0
I34	Nonrheumatic Mitral Valve Disorders	13	0.7
I35	Nonrheumatic Aortic Valve Disorders	92	5.1
I38	Endocarditis, Valve Unspecified	23	1.3
I40	Acute Myocarditis	1	0.1
I42	Cardiomyopathy	133	7.3
I44	Atrioventricular and Left Bundle-Branch Block	3	0.2
I45	Other Conduction Disorders	15	0.8
I46	Cardiac Arrest	43	2.4
I47	Paroxysmal Tachycardia	7	0.4
I48	Atrial Fibrillation and Flutter	217	12.0
I49	Other Cardiac Arrhythmias	47	2.6
I50	Heart Failure	483	26.6
I51	Complications and Ill-Defined Descriptions of Heart Disease	102	5.6
I60-I69	Cerebrovascular Diseases	1,058	58.3
I60	Subarachnoid Hemorrhage	43	2.4
I61	Intracerebral Hemorrhage	139	7.7
I62	Other Nontraumatic Intracranial Hemorrhage	57	3.1
I63	Cerebral Infarction	104	5.7
I64	Stroke, Not Specified as Hemorrhage or Infarction	577	31.8
I67	Other Cerebrovascular Diseases	50	2.8
I69	Sequelae of Cerebrovascular Disease	88	4.8
I70-I79	Diseases of Arteries, Arterioles and Capillaries	238	13.1
I70	Atherosclerosis	84	4.6
I71	Aortic Aneurysm and Dissection	66	3.6
I72	Other Aneurysm	1	0.1
I73	Other Peripheral Vascular Diseases	70	3.9
I74	Arterial Embolism and Thrombosis	5	0.3
I77	Other Disorders of Arteries and Arterioles	12	0.7
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	29	1.6
I80	Phlebitis and Thrombophlebitis	21	1.2
I81	Portal Vein Thrombosis	1	0.1
I82	Other Venous Embolism and Thrombosis	2	0.1
I83	Varicose Veins of Lower Extremities	2	0.1
I85	Esophageal Varices	1	0.1
I87	Other Disorders of Veins	1	0.1
I89	Other Noninfective Disorders of Lymphatic Vessels and Lymph Nodes	1	0.1
I95-I99	Other and Unspecified Disorders of the Circulatory System	6	0.3
I95	Hypotension	4	0.2
I99	Other and Unspecified Disorders of Circulatory System	2	0.1
J00-J99	Diseases of the Respiratory System	2,583	142.2
J00-J06	Acute Upper Respiratory Infections	2	0.1
J06	Acute Upper Respiratory Infections of Multiple and Unspecified Sites	2	0.1
J09-J18	Influenza and Pneumonia	460	25.3
J10	Influenza due to Identified Influenza Virus	20	1.1
J11	Influenza, Virus Not Identified	21	1.2
J12	Viral Pneumonia, Not Elsewhere Classified	2	0.1
J13	Pneumonia due to Streptococcus Pneumoniae	2	0.1
J14	Pneumonia due to Haemophilus Influenzae	1	0.1
J15	Bacterial Pneumonia, Not Elsewhere Classified	19	1.0
J18	Pneumonia, Organism Unspecified	395	21.8
J20-J22	Other Acute Lower Respiratory Infections	3	0.2

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
J22	Unspecified Acute Lower Respiratory Infection	3	0.2
J30-J39	Other Diseases of Upper Respiratory Tract	2	0.1
J32	Chronic Sinusitis	1	0.1
J39	Other Diseases of Upper Respiratory Tract	1	0.1
J40-J47	Chronic Lower Respiratory Diseases	1,679	92.5
J40	Bronchitis, Not Specified as Acute or Chronic	1	0.1
J42	Unspecified Chronic Bronchitis	1	0.1
J43	Emphysema	51	2.8
J44	Other Chronic Obstructive Pulmonary Disease	1,600	88.1
J45	Asthma	21	1.2
J46	Status Asthmaticus	3	0.2
J47	Bronchiectasis	2	0.1
J60-J70	Lung Diseases due to External Agents	148	8.2
J60	Coalworker's Pneumoconiosis	15	0.8
J61	Pneumoconiosis due to Asbestos and Other Mineral Fibers	8	0.4
J62	Pneumoconiosis due to Dust Containing Silica	1	0.1
J64	Unspecified Pneumoconiosis	10	0.6
J68	Respiratory Conditions due to Inhalation of Chemicals, Gases, Fumes and Vapors	1	0.1
J69	Pneumonitis due to Solids and Liquids	113	6.2
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	156	8.6
J80	Adult Respiratory Distress Syndrome	25	1.4
J81	Pulmonary Edema	4	0.2
J82	Pulmonary Eosinophilia, Not Elsewhere Classified	1	0.1
J84	Other Interstitial Pulmonary Diseases	126	6.9
J85-J86	Suppurative and Necrotic Conditions of Lower Respiratory Tract	6	0.3
J85	Abscess of Lung and Mediastinum	3	0.2
J86	Pyothorax	3	0.2
J90-J94	Other Diseases of Pleura	19	1.0
J90	Pleural Effusion, Not Elsewhere Classified	13	0.7
J92	Pleural Plaque	1	0.1
J93	Pneumothorax	4	0.2
J94	Other Pleural Conditions	1	0.1
J95-J99	Other Diseases of the Respiratory System	108	5.9
J96	Respiratory Failure, Not Elsewhere Classified	55	3.0
J98	Other Respiratory Disorders	53	2.9
K00-K93	Diseases of the Digestive System	978	53.9
K20-K31	Diseases of Esophagus, Stomach and Duodenum	46	2.5
K21	Gastro-esophageal Reflux Disease	6	0.3
K22	Other Diseases of Esophagus	11	0.6
K25	Gastric Ulcer	8	0.4
K26	Duodenal Ulcer	11	0.6
K27	Peptic Ulcer, Site Unspecified	3	0.2
K29	Gastritis and Duodenitis	1	0.1
K31	Other Diseases of Stomach and Duodenum	6	0.3
K35-K38	Diseases of Appendix	5	0.3
K35	Acute Appendicitis	5	0.3
K40-K46	Hernia	16	0.9
K40	Inguinal Hernia	2	0.1
K43	Ventral Hernia	2	0.1
K44	Diaphragmatic Hernia	5	0.3
K45	Other Abdominal Hernia	1	0.1
K46	Unspecified Abdominal Hernia	6	0.3
K50-K52	Noninfective Enteritis and Colitis	13	0.7
K50	Crohn's Disease [Regional Enteritis]	8	0.4
K51	Ulcerative Colitis	3	0.2
K52	Other Noninfective Gastroenteritis and Colitis	2	0.1
K55-K63	Other Diseases of Intestines	215	11.8
K55	Vascular Disorders of Intestine	78	4.3
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	66	3.6
K57	Diverticular Disease of Intestine	18	1.0

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022



Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
K59	Other Functional Intestinal Disorders	2	0.1
K62	Other Diseases of Anus and Rectum	7	0.4
K63	Other Diseases of Intestine	44	2.4
K65-K67	Diseases of Peritoneum	20	1.1
K65	Peritonitis	17	0.9
K66	Other Disorders of Peritoneum	3	0.2
K70-K77	Diseases of Liver	472	26.0
K70	Alcoholic Liver Disease	142	7.8
K72	Hepatic Failure, Not Elsewhere Classified	49	2.7
K74	Fibrosis and Cirrhosis of Liver	196	10.8
K75	Other Inflammatory Liver Diseases	9	0.5
K76	Other Diseases of Liver	76	4.2
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	87	4.8
K80	Chololithiasis	5	0.3
K81	Cholecystitis	27	1.5
K82	Other Diseases of Gallbladder	3	0.2
K83	Other Diseases of Biliary Tract	15	0.8
K85	Acute Pancreatitis	23	1.3
K86	Other Diseases of Pancreas	14	0.8
K90-K93	Other Diseases of the Digestive System	104	5.7
K90	Intestinal Malabsorption	3	0.2
K92	Other Diseases of Digestive System	101	5.6
L00-L99	Diseases of the Skin and Subcutaneous Tissue	32	1.8
L00-L08	Infections of the Skin and Subcutaneous Tissue	22	1.2
L01	Impetigo	1	0.1
L02	Cutaneous Abscess, Furuncle and Carbuncle	7	0.4
L03	Cellulitis	11	0.6
L08	Other Local Infections of Skin and Subcutaneous Tissue	3	0.2
L10-L14	Bullous Disorders	1	0.1
L12	Pemphigoid	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	9	0.5
L89	Decubitus Ulcer	4	0.2
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	102	5.6
M00-M25	Arthropathies	25	1.4
M00-M03	Infectious Arthropathies	3	0.2
M00	Pyogenic Arthritis	3	0.2
M05-M14	Inflammatory Polyarthropathies	20	1.1
M05	Seropositive Rheumatoid Arthritis	1	0.1
M06	Other Rheumatoid Arthritis	16	0.9
M08	Juvenile Arthritis	1	0.1
M10	Gout	1	0.1
M13	Other Arthritis	1	0.1
M15-M19	Arthrosis	2	0.1
M19	Other Arthrosis	2	0.1
M30-M36	Systemic Connective Tissue Disorders	20	1.1
M31	Other Necrotizing Vasculopathies	5	0.3
M32	Systemic Lupus Erythematosus	9	0.5
M34	Systemic Sclerosis	5	0.3
M35	Other Systemic Involvement of Connective Tissue	1	0.1
M40-M54	Dorsopathies	18	1.0
M40-M43	Deforming Dorsopathies	3	0.2
M40	Kyphosis and Lordosis	1	0.1
M41	Scoliosis	2	0.1
M45-M49	Spondylopathies	14	0.8
M46	Other Inflammatory Spondylopathies	8	0.4
M47	Spondylosis	1	0.1
M48	Other Spondylopathies	5	0.3

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
M50-M54	Other Dorsopathies	1	0.1
M51	Other Intervertebral Disc Disorders	1	0.1
M60-M79	Soft Tissue Disorders	14	0.8
M60-M63	Disorders of Muscles	11	0.6
M60	Myositis	1	0.1
M62	Other Disorders of Muscle	10	0.6
M70-M79	Other Soft Tissue Disorders	3	0.2
M72	Fibroblastic Disorders	3	0.2
M80-M94	Osteopathies and Chondropathies	25	1.4
M80-M85	Disorders of Bone Density and Structure	5	0.3
M80	Osteoporosis with Pathological Fracture	1	0.1
M81	Osteoporosis without Pathological Fracture	2	0.1
M84	Disorders of Continuity of Bone	2	0.1
M86-M90	Other Osteopathies	20	1.1
M86	Osteomyelitis	19	1.0
M89	Other Disorders of Bone	1	0.1
N00-N99	Diseases of the Genitourinary System	638	35.1
N00-N08	Glomerular Diseases	4	0.2
N00	Acute Nephritic Syndrome	2	0.1
N04	Nephrotic Syndrome	1	0.1
N05	Unspecified Nephritic Syndrome	1	0.1
N10-N16	Renal Tubulo-Interstitial Diseases	12	0.7
N11	Chronic Tubulo-Interstitial Nephritis	1	0.1
N12	Tubulo-Interstitial Nephritis, Not Specified as Acute or Chronic	5	0.3
N13	Obstructive and Reflux Uropathy	6	0.3
N17-N19	Renal Failure	432	23.8
N17	Acute Renal Failure	69	3.8
N18	Chronic Renal Failure	266	14.6
N19	Unspecified Renal Failure	97	5.3
N20-N23	Urolithiasis	1	0.1
N20	Calculus of Kidney and Ureter	1	0.1
N25-N29	Other Disorders of Kidney and Ureter	62	3.4
N28	Other Disorders of Kidney and Ureter, Not Elsewhere Classified	62	3.4
N30-N39	Other Diseases of the Urinary System	114	6.3
N30	Cystitis	2	0.1
N31	Neuromuscular Dysfunction of Bladder, Not Elsewhere Classified	2	0.1
N32	Other Disorders of Bladder	5	0.3
N36	Other Disorders of Urethra	1	0.1
N39	Other Disorders of Urinary System	104	5.7
N40-N51	Diseases of Male Genital Organs	8	0.4
N40	Hyperplasia of Prostate	7	0.4
N49	Inflammatory Disorders of Male Genital Organs, Not Elsewhere Classified	1	0.1
N60-N64	Disorders of Breast	1	0.1
N64	Other Disorders of Breast	1	0.1
N80-N98	Noninflammatory Disorders of Female Genital Tract	4	0.2
N81	Female Genital Prolapse	1	0.1
N82	Fistula Involving Female Genital Tract	1	0.1
N83	Noninflammatory Disorders of Ovary, Fallopian Tube and Broad Ligament	1	0.1
N93	Other Abnormal Uterine and Vaginal Bleeding	1	0.1
O00-O99**	Pregnancy, Childbirth and the Puerperium	3	16.1
O10-O16	Edema, Proteinuria and Hypertensive Disorders in Pregnancy, Childbirth and the Puerperium	1	5.4
O15	Eclampsia	1	5.4
O60-O75	Complications of Labor and Delivery	1	5.4
O72	Postpartum Hemorrhage	1	5.4
O95-O99	Other Obstetric Conditions, Not Elsewhere Classified	1	5.4
O96	Death from Any Obstetric Cause Occurring More Than 42 Days But Less Than One Year After Delivery	1	5.4
P00-P96	Certain Conditions Originating in the Perinatal Period	47	2.6
P00-P04	Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	16	0.9
P01	Fetus and Newborn Affected by Maternal Complications of Pregnancy	6	0.3
P02	Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes	4	0.2

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

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
P04	Fetus and Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	6	0.3
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	8	0.4
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	8	0.4
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	12	0.7
P20	Intrauterine Hypoxia	1	0.1
P21	Birth Asphyxia	2	0.1
P22	Respiratory Distress of Newborn	2	0.1
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal Period	1	0.1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	1	0.1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	1	0.1
P28	Other Respiratory Conditions Originating in the Perinatal Period	2	0.1
P29	Cardiovascular Disorders Originating in the Perinatal Period	2	0.1
P35-P39	Infections Specific to the Perinatal Period	3	0.2
P36	Bacterial Sepsis of Newborn	3	0.2
P50-P61	Hemorrhagic and Hematological Disorders of Fetus and Newborn	3	0.2
P52	Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	2	0.1
P61	Other Perinatal Hematological Disorders	1	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	3	0.2
P81	Other Disturbances of Temperature Regulation of Newborn	1	0.1
P83	Other Conditions of Integument Specific to Fetus and Newborn	2	0.1
P90-P96	Other Disorders Originating in the Perinatal Period	1	0.1
P96	Other Conditions Originating in the Perinatal Period	1	0.1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	77	4.2
Q00-Q07	Congenital Malformations of the Nervous System	11	0.6
Q00	Anencephaly and Similar Malformations	3	0.2
Q03	Congenital Hydrocephalus	1	0.1
Q04	Other Congenital Malformations of Brain	4	0.2
Q05	Spina Bifida	3	0.2
Q20-Q28	Congenital Malformations of the Circulatory System	15	0.8
Q20	Congenital Malformations of Cardiac Chambers and Connections	3	0.2
Q21	Congenital Malformations of Cardiac Septa	1	0.1
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	1	0.1
Q23	Congenital Malformations of Aortic and Mitral Valves	2	0.1
Q24	Other Congenital Malformations of the Heart	2	0.1
Q25	Congenital Malformations of Great Arteries	2	0.1
Q27	Other Congenital Malformations of Peripheral Vascular System	3	0.2
Q28	Other Congenital Malformations of Circulatory System	1	0.1
Q30-Q34	Congenital Malformations of the Respiratory System	4	0.2
Q33	Congenital Malformations of Lung	4	0.2
Q38-Q45	Other Congenital Malformations of the Digestive System	2	0.1
Q43	Other Congenital Malformations of Intestine	1	0.1
Q45	Other Congenital Malformations of Digestive System	1	0.1
Q60-Q64	Congenital Malformations of the Urinary System	10	0.6
Q60	Renal Agenesis and Other Reduction Defects of Kidney	3	0.2
Q61	Cystic Kidney Disease	7	0.4
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	4	0.2
Q67	Congenital Musculoskeletal Deformities of Head, Face, Spine and Chest	1	0.1
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	1	0.1
Q78	Other Osteochondrodysplasias	1	0.1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	1	0.1
Q80-Q89	Other Congenital Malformations	5	0.3
Q85	Phakomatoses, Not Elsewhere Classified	1	0.1
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	1	0.1
Q89	Other Congenital Malformations, Not Elsewhere Classified	3	0.2
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	26	1.4
Q90	Down's Syndrome	15	0.8
Q91	Edwards' Syndrome and Patau's Syndrome	7	0.4
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere Classified	2	0.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
Q93	Monosomies and Deletions from the Autosomes, Not Elsewhere Classified	2	0.1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	547	30.1
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	11	0.6
R01	Cardiac Murmurs and Other Cardiac Sounds	1	0.1
R02	Gangrene, Not Elsewhere Classified	1	0.1
R06	Abnormalities of Breathing	2	0.1
R07	Pain in Throat and Chest	1	0.1
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	6	0.3
R10-R19	Symptoms and Signs Involving the Digestive System and Abdomen	4	0.2
R13	Dysphagia	2	0.1
R18	Ascites	1	0.1
R19	Other Symptoms and Signs Involving the Digestive System and Abdomen	1	0.1
R20-R23	Symptoms and Signs Involving the Skin and Subcutaneous Tissue	1	0.1
R22	Localized Swelling, Mass and Lump Skin and Subcutaneous Tissue	1	0.1
R25-R29	Symptoms and Signs Involving the Nervous and Musculoskeletal System	1	0.1
R29	Other Symptoms and Signs Involving the Nervous and Musculoskeletal System	1	0.1
R47-R49	Symptoms and Signs Involving Speech and Voice	1	0.1
R47	Speech Disturbances, Not Elsewhere Classified	1	0.1
R50-R69	General Symptoms and Signs	115	6.3
R50	Fever of Unknown Origin	1	0.1
R53	Malaise and Fatigue	1	0.1
R54	Senility	48	2.6
R56	Convulsions, Not Elsewhere Classified	8	0.4
R57	Shock, Not Elsewhere Classified	7	0.4
R58	Hemorrhage, Not Elsewhere Classified	9	0.5
R62	Lack of Expected Normal Physiological Development	25	1.4
R63	Symptoms and Signs Concerning Food and Fluid Intake	1	0.1
R64	Cachexia	2	0.1
R68	Other General Symptoms and Signs	13	0.7
R70-R79	Abnormal Findings on Examination of Blood, without Diagnosis	1	0.1
R73	Elevated Blood Glucose Level	1	0.1
R90-R94	Abnormal Findings on Diagnostic Imaging and in Function Studies, without Diagnosis	7	0.4
R91	Abnormal Findings on Diagnostic Imaging of Lung	7	0.4
R95-R99	Ill-Defined and Unknown Causes of Mortality	406	22.4
R95	Sudden Infant Death Syndrome	16	0.9
R96	Other Sudden Death, Cause Unknown	5	0.3
R99	Other Ill-Defined and Unspecified Causes of Mortality	385	21.2
V01-Y98	External Causes of Morbidity and Mortality	2,480	136.6
V01-V99	Transport Accidents	350	19.3
V01-V09	Pedestrian Injured in Transport Accident	40	2.2
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	10	0.6
V05	Pedestrian Injured in Collision with Railway Train or Railway Vehicle	8	0.4
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	22	1.2
V10-V19	Pedal Cyclist Injured in Transport Accident	2	0.1
V19	Pedal Cyclist Injured in Other and Unspecified Transport Accidents	2	0.1
V20-V29	Motorcycle Rider Injured in Transport Accident	26	1.4
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	5	0.3
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	6	0.3
V28	Motorcycle Rider Injured in Noncollision Transport Accident	1	0.1
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	13	0.7
V40-V49	Car Occupant Injured in Transport Accident	39	2.1
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	13	0.7
V44	Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus	2	0.1
V47	Car Occupant Injured in Collision with Fixed or Stationary Object	10	0.6
V48	Car Occupant Injured in Noncollision Transport Accident	7	0.4
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	7	0.4
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	10	0.6
V53	Occupant of Pickup or Van Injured in Collision with Car, Pickup Truck or Van	2	0.1
V54	Occupant of Pickup or Van Injured in Collision with Heavy Transport Vehicle or Bus	2	0.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
V57	Occupant of Pickup or Van Injured in Collision with Fixed or Stationary Object	3	0.2
V58	Occupant of Pickup or Van Injured in Noncollision Transport Accident	2	0.1
V59	Occupant of Pickup or Van Injured in Other and Unspecified Transport Accidents	1	0.1
V60-V69	Occupant of Heavy Transport Vehicle Injured in Transport Accident	3	0.2
V64	Occupant of Heavy Transport Vehicle Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V68	Occupant of Heavy Transport Vehicle Injured in Noncollision Transport Accident	2	0.1
V80-V89	Other Land Transport Accidents	229	12.6
V84	Occupant of Special Vehicle Mainly Used in Agriculture Injured in Transport Accident	2	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	27	1.5
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	52	2.9
V88	Nontraffic Accident of Specified Type But Victim's Mode of Transport Unknown	1	0.1
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	146	8.0
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	1,502	82.7
W00-W19	Falls	353	19.4
W00	Fall on Same Level Involving Ice and Snow	1	0.1
W01	Fall on Same Level from Slipping, Tripping and Stumbling	14	0.8
W02	Fall Involving Ice-Skates, Skis, Roller-Skates or Skateboards	2	0.1
W05	Fall Involving Wheelchair	11	0.6
W06	Fall Involving Bed	22	1.2
W07	Fall Involving Chair	6	0.3
W08	Fall Involving Other Furniture	3	0.2
W10	Fall on and from Stairs and Steps	36	2.0
W11	Fall on and from Ladder	4	0.2
W13	Fall from, out of or through Building or Structure	5	0.3
W14	Fall from Tree	1	0.1
W15	Fall from Cliff	3	0.2
W17	Other Fall from One Level to Another	12	0.7
W18	Other Fall on Same Level	204	11.2
W19	Unspecified Fall	29	1.6
W20-W49	Exposure to Inanimate Mechanical Forces	35	1.9
W20	Struck by Thrown, Projected or Falling Object	11	0.6
W22	Striking against or Struck by Other Objects	2	0.1
W24	Contact with Lifting and Transmission Devices, Not Elsewhere Classified	1	0.1
W28	Contact with Powered Lawnmower	3	0.2
W30	Contact with Agricultural Machinery	5	0.3
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	3	0.2
W37	Explosion and Rupture of Pressurized Tire, Pipe or Hose	1	0.1
W40	Explosion of Other Materials	1	0.1
W65-W74	Accidental Drowning and Submersion	25	1.4
W65	Drowning and Submersion while in Bathtub	5	0.3
W68	Drowning and Submersion Following Fall in Swimming Pool	1	0.1
W69	Drowning and Submersion while in Natural Water	14	0.8
W70	Drowning and Submersion Following Fall in Natural Water	3	0.2
W74	Unspecified Drowning and Submersion	2	0.1
W75-W84	Other Accidental Threats to Breathing	35	1.9
W75	Accidental Suffocation and Strangulation in Bed	5	0.3
W78	Inhalation of Gastric Contents	1	0.1
W79	Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	11	0.6
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	15	0.8
W81	Confined to or Trapped in a Low-Oxygen Environment	1	0.1
W84	Unspecified Threat to Breathing	2	0.1
X00-X09	Exposure to Smoke, Fire and Flames	36	2.0
X00	Exposure to Uncontrolled Fire in Building or Structure	27	1.5
X03	Exposure to Controlled Fire, Not in Building or Structure	1	0.1
X04	Exposure to Ignition of Highly Flammable Material	1	0.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
X06	Exposure to Ignition or Melting of Other Clothing and Apparel	3	0.2
X08	Exposure to Other Specified Smoke, Fire and Flames	1	0.1
X09	Exposure to Unspecified Smoke, Fire and Flames	3	0.2
X10-X19	Contact with Heat and Hot Substances	1	0.1
X12	Contact with Other Hot Fluids	1	0.1
X20-X29	Contact with Venomous Animals and Plants	1	0.1
X23	Contact with Hornets, Wasps and Bees	1	0.1
X30-X39	Exposure to Forces of Nature	11	0.6
X30	Exposure to Excessive Natural Heat	2	0.1
X31	Exposure to Excessive Natural Cold	7	0.4
X38	Victim of Flood	2	0.1
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	974	53.6
X40	Accidental Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	6	0.3
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	61	3.4
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	425	23.4
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	444	24.5
X45	Accidental Poisoning by Alcohol	20	1.1
X47	Accidental Poisoning by Other Gases and Vapors	17	0.9
X49	Accidental Poisoning by Other and Unspecified Chemicals and Noxious Substances	1	0.1
X58-X59	Accidental Exposure to Other and Unspecified Factors	31	1.7
X59	Exposure to Unspecified Factors	31	1.7
X60-X84	Intentional Self-Harm	394	21.7
X60	Intentional Self-Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	2	0.1
X61	Intentional Self-Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs	4	0.2
X62	Intentional Self-Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	2	0.1
X63	Intentional Self-Poisoning by Other Drugs Acting on the Autonomic Nervous System	1	0.1
X64	Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	19	1.0
X66	Intentional Self-Poisoning by Organic Solvents and Halogenated Hydrocarbons and Their Vapors	2	0.1
X67	Intentional Self-Poisoning by Other Gases and Vapors	8	0.4
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	74	4.1
X71	Intentional Self-Harm by Drowning and Submersion	1	0.1
X72	Intentional Self-Harm by Handgun Discharge	66	3.6
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	45	2.5
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	156	8.6
X76	Intentional Self-Harm by Smoke, Fire and Flames	3	0.2
X78	Intentional Self-Harm by Sharp Object	4	0.2
X80	Intentional Self-Harm by Jumping from a High Place	2	0.1
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
X84	Intentional Self-Harm by Unspecified Means	3	0.2
X85-Y09	Assault	111	6.1
X85	Assault by Drugs, Medicaments and Biological Substances	2	0.1
X91	Assault by Hanging, Strangulation and Suffocation	1	0.1
X93	Assault by Handgun Discharge	16	0.9
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	7	0.4
X95	Assault by Other and Unspecified Firearm Discharge	46	2.5
X97	Assault by Smoke, Fire and Flames	3	0.2
X99	Assault by Sharp Object	10	0.6
Y00	Assault by Blunt Object	4	0.2
Y03	Assault by Crashing of Motor Vehicle	1	0.1
Y04	Assault by Bodily Force	1	0.1
Y06	Neglect and Abandonment	1	0.1
Y08	Assault by Other Specified Means	2	0.1
Y09	Assault by Unspecified Means	17	0.9
Y10-Y34	Event of Undetermined Intent	54	3.0
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined Intent	3	0.2
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent	8	0.4
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	12	0.7
Y17	Poisoning by Other Gases and Vapors, Undetermined Intent	2	0.1
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	5	0.3

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Deaths: Number and Rate  
West Virginia, 2017  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
Y21	Drowning and Submersion, Undetermined Intent	2	0.1
Y24	Other and Unspecified Firearm Discharge, Undetermined Intent	3	0.2
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	11	0.6
Y28	Contact with Sharp Object, Undetermined Intent	1	0.1
Y31	Falling, Lying or Running Before or into Moving Object, Undetermined Intent	1	0.1
Y33	Other Specified Events, Undetermined Intent	2	0.1
Y34	Unspecified Event, Undetermined Intent	4	0.2
Y35-Y36	Legal Intervention and Operations of War	6	0.3
Y35	Legal Intervention	6	0.3
Y40-Y84	Complications of Medical and Surgical Care	33	1.8
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	2	0.1
Y57	Other and Unspecified Drugs and Medicaments	2	0.1
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	31	1.7
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	24	1.3
Y84	Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	7	0.4
Y85-Y89	Sequelae of External Causes of Morbidity and Mortality	30	1.7
Y85	Sequelae of Transport Accidents	15	0.8
Y86	Sequelae of Other Accidents	13	0.7
Y87	Sequelae of Intentional Self-Harm, Assault and Event of Undetermined Intent	2	0.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Selected Causes of Resident Deaths: Number by Race and Gender  
West Virginia, 2017  
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	52	43	3	3	4	2	107
Total Deaths, All Causes	11,599	10,950	366	306	34	35	23,290
--Deaths Under One Year	63	57	4	3	5	1	133
--Deaths Under 28 Days	38	33	2	1	3	1	78
Tuberculosis	0	1	0	0	0	0	1
Septicemia	172	181	10	10	1	1	375
Human Immunodeficiency Virus Infection	7	0	1	1	0	0	9
Malignant Neoplasms	2,410	2,100	77	57	5	9	4,658
--of Digestive Organs	618	440	25	16	1	1	1,101
----Colon	160	144	8	5	0	0	317
----Pancreas	131	136	4	6	1	0	278
--of Respiratory and Intrathoracic Organs	772	584	23	12	2	2	1,395
----Trachea, Bronchus and Lung	730	573	23	11	2	2	1,341
--of Breast	2	289	0	10	0	1	302
--of Genitourinary Organs	332	280	11	7	0	1	631
----Cervix Uteri	0	27	0	2	0	0	29
----Ovary	0	94	0	2	0	1	97
----Prostate	167	0	10	0	0	0	177
----Bladder	91	32	0	2	0	0	125
--All Other (Malignant Neoplasms)	686	507	18	12	2	4	1,229
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	73	47	2	0	0	0	122
Diabetes Mellitus	452	364	21	20	4	3	864
Dementia	296	581	9	17	0	1	904
Alzheimer's Disease	225	534	1	10	0	1	771
Major Cardiovascular Disease	3,202	3,100	82	86	10	7	6,487
--Diseases of the Heart	2,505	2,219	64	65	9	5	4,867
----Ischemic Heart Disease	1,764	1,450	39	39	7	3	3,302
--Essential Hypertension and Hypertensive Renal Disease	156	159	4	5	0	0	324
--Cerebrovascular Diseases (Stroke)	415	613	14	13	1	2	1,058
--Arteriosclerosis	34	48	0	2	0	0	84
--Other Diseases of Arteries, Arterioles and Capillaries	92	61	0	1	0	0	154
Influenza and Pneumonia	212	239	7	1	0	1	460
--Influenza	21	19	1	0	0	0	41
--Pneumonia	191	220	6	1	0	1	419
Chronic Lower Respiratory Diseases	765	872	22	16	2	2	1,679
--Bronchitis, Emphysema and Asthma	36	35	4	2	0	0	77
Lung Diseases due to External Agents	95	49	3	0	0	1	148
--Coal Worker's Pneumoconiosis	15	0	0	0	0	0	15
Chronic Liver Disease and Cirrhosis	211	120	3	3	0	1	338
Nephritis, Nephrotic Syndrome and Nephrosis	201	214	4	14	1	2	436
Congenital Malformations	42	34	0	0	0	1	77
Ill-Defined and Unknown Causes of Death	195	188	12	7	3	1	406
Accidents, All Forms	1,166	639	53	19	2	1	1,880
--Motor Vehicle	232	95	6	3	1	0	337
--Falls	168	177	3	4	1	0	353
--Drownings	13	8	3	1	0	0	25
--Smoke, Fire and Flames	24	12	0	0	0	0	36
--Poisonings	619	308	36	11	0	0	974
--Other Accidents	110	39	5	0	0	1	155
Intentional Self-Harm (Suicide)	301	85	4	1	3	1	395
Assault (Homicide)	63	31	13	5	0	0	112
Injury Undetermined Whether Accidental or Purposely Inflicted	30	21	2	0	1	0	54
All Other Causes (Residual)	1,481	1,550	40	39	2	2	3,114

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022



Selected Causes of Resident Deaths by Age Group  
West Virginia, 2017  
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	23,290	133	53	207	540	836	1,539	3,391	4,909	5,653	6,029	71.7
--Deaths Under One Year	133	133	0	0	0	0	0	0	0	0	0	0.1
--Deaths Under 28 Days	78	78	0	0	0	0	0	0	0	0	0	0.0
Tuberculosis	1	0	0	0	0	0	0	0	1	0	0	73.0
Septicemia	375	1	1	0	3	9	23	56	98	102	82	72.9
Human Immunodeficiency Virus Infection	9	0	0	0	2	1	2	4	0	0	0	48.2
Malignant Neoplasms	4,658	0	4	6	16	89	282	972	1,448	1,223	618	70.7
--of Digestive Organs	1,101	0	0	1	5	25	83	238	344	267	138	70.0
----Colon	317	0	0	0	1	8	25	47	100	78	58	72.2
----Pancreas	278	0	0	0	0	7	19	57	91	73	31	69.9
--of Respiratory and Intrathoracic Organs	1,395	0	0	0	2	6	57	326	507	376	121	70.6
----Trachea, Bronchus and Lung	1,341	0	0	0	2	5	52	313	486	367	116	70.7
--of Breast	302	0	0	0	1	12	34	73	75	68	39	68.7
--of Genitourinary Organs	631	0	0	0	2	10	31	92	182	191	123	73.6
----Cervix Uteri	29	0	0	0	2	3	4	8	8	3	1	60.9
----Ovary	97	0	0	0	0	2	11	19	31	25	9	68.9
----Prostate	177	0	0	0	0	0	0	12	43	65	57	78.9
----Bladder	125	0	0	0	0	0	4	9	37	46	29	77.0
--All Other (Malignant Neoplasms)	1,229	0	4	5	6	36	77	243	340	321	197	70.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	122	0	0	0	0	0	4	16	32	39	31	75.6
Diabetes Mellitus	864	0	0	4	6	21	68	172	250	211	132	70.2
Dementia	904	0	0	0	0	1	0	10	62	229	602	86.6
Alzheimer's Disease	771	0	0	0	0	0	0	5	59	227	480	86.0
Major Cardiovascular Disease	6,487	2	1	5	32	107	323	755	1,285	1,740	2,237	76.8
--Diseases of the Heart	4,867	1	1	4	29	82	246	586	993	1,268	1,657	76.6
----Ischemic Heart Disease	3,302	0	0	0	10	49	166	433	734	860	1,050	76.2
--Essential Hypertension and Hypertensive Renal Disease	324	0	0	0	1	9	30	52	59	71	102	74.2
--Cerebrovascular Diseases (Stroke)	1,058	1	0	0	1	13	32	100	190	323	398	78.5
--Arteriosclerosis	84	0	0	0	0	0	2	3	15	23	41	82.8
--Other Diseases of Arteries, Arterioles and Capillaries	154	0	0	1	1	3	13	14	28	55	39	75.1
Influenza and Pneumonia	460	0	1	0	4	6	13	42	82	133	179	78.4
--Influenza	41	0	0	0	0	0	3	3	6	11	18	79.3
--Pneumonia	419	0	1	0	4	6	10	39	76	122	161	78.3
Chronic Lower Respiratory Diseases	1,679	0	0	0	2	11	55	259	475	523	354	71.6
--Bronchitis, Emphysema and Asthma	77	0	0	0	2	2	10	16	23	15	9	67.4
Lung Diseases due to External Agents	148	0	0	0	1	0	9	16	28	41	53	69.8
--Coal Workers Pneumoconiosis	15	0	0	0	0	0	0	1	6	7	1	74.8
Chronic Liver Disease and Cirrhosis	338	0	0	0	3	21	62	114	80	42	16	62.4
Nephritis, Nephrotic Syndrome and Nephrosis	436	1	0	0	3	3	15	56	86	130	142	76.8
Congenital Malformations	77	38	3	0	4	4	3	13	6	5	1	27.4
Ill-Defined and Unknown Causes of Death	406	27	4	1	6	10	22	59	75	90	112	68.5
Accidents, All Forms	1,880	4	21	130	300	353	307	265	146	165	189	51.6
--Motor Vehicle	337	0	12	60	42	49	54	41	40	28	11	45.8
--Falls	353	0	0	0	1	4	11	33	49	104	151	79.9
--Drownings	25	1	2	3	3	3	3	2	6	2	0	45.1
--Smoke, Fire and Flames	36	0	2	1	2	2	3	7	8	5	6	61.9
--Poisonings	974	0	2	57	238	283	219	151	20	1	3	42.1
--Other Accidents	155	3	3	9	14	12	17	31	23	25	18	57.9
Intentional Self-Harm (Suicide)	395	0	1	32	63	71	85	63	38	32	10	49.1
Assault (Homicide)	112	3	4	10	27	23	20	12	5	6	2	41.1
Injury Undetermined Whether Accidental or Purposely Inflicted	54	5	1	1	5	8	14	12	5	2	1	45.9
All Other Causes (Residual)	3,114	52	12	18	63	98	232	490	648	713	788	70.7

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Selected Causes of Resident Deaths by Month of Occurrence  
West Virginia, 2017  
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	13	11	13	4	6	9	7	11	11	11	7	4	107
Total Deaths, All Causes	2,258	1,893	2,122	1,939	1,804	1,805	1,784	1,850	1,753	1,989	1,964	2,129	23,290
--Deaths Under One Year	12	11	18	5	17	12	15	15	8	5	6	9	133
--Deaths Under 28 Days	9	3	13	3	11	7	7	9	5	3	4	4	78
Tuberculosis	0	0	1	0	0	0	0	0	0	0	0	0	1
Septicemia	30	40	36	28	17	29	31	33	35	35	33	28	375
Human Immunodeficiency Virus Infection	1	1	0	0	1	1	1	1	0	2	0	1	9
Malignant Neoplasms	403	346	422	355	354	375	382	406	379	426	394	416	4,658
--of Digestive Organs	80	79	108	91	86	94	90	97	91	106	81	98	1,101
----Colon	27	21	29	29	26	23	32	23	23	27	27	30	317
----Pancreas	25	19	31	19	18	31	22	24	19	32	16	22	278
--of Respiratory and Intrathoracic Organs	137	100	124	106	93	89	101	125	116	135	132	137	1,395
----Trachea, Bronchus and Lung	134	95	120	100	88	86	98	123	110	131	125	131	1,341
--of Breast	29	18	25	35	26	22	34	20	20	24	26	23	302
--of Genitourinary Organs	52	49	53	28	56	48	46	65	50	63	64	57	631
----Cervix Uteri	3	1	5	1	2	2	0	4	2	3	3	3	29
----Ovary	6	7	12	4	12	8	8	9	5	7	11	8	97
----Prostate	14	14	14	10	12	10	16	20	19	19	15	14	177
----Bladder	9	11	9	4	9	10	5	12	8	21	13	14	125
--All Other (Malignant Neoplasms)	105	100	112	95	93	122	111	99	102	98	91	101	1,229
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	10	6	12	6	7	9	9	12	10	14	15	12	122
Diabetes Mellitus	70	63	71	68	68	56	55	65	66	78	100	104	864
Dementia	92	88	90	67	70	61	77	73	59	76	70	81	904
Alzheimer's Disease	81	64	73	57	54	47	58	59	48	84	59	87	771
Major Cardiovascular Disease	639	545	578	552	527	514	475	511	501	517	566	562	6,487
--Diseases of the Heart	487	415	440	395	399	387	359	400	378	370	435	402	4,867
----Ischemic Heart Disease	340	290	309	269	253	246	236	277	244	272	304	262	3,302
--Essential Hypertension and Hypertensive Renal Disease	32	22	28	31	20	34	26	21	29	27	23	31	324
--Cerebrovascular Diseases (Stroke)	95	90	84	106	88	80	76	79	75	97	86	102	1,058
--Arteriosclerosis	13	7	9	7	6	5	1	3	6	8	10	9	84
--Other Diseases of Arteries, Arterioles and Capillaries	12	11	17	13	14	8	13	8	13	15	12	18	154
Influenza and Pneumonia	47	46	62	36	38	28	26	38	29	29	41	40	460
--Influenza	3	12	10	3	0	1	1	0	0	0	3	8	41
--Pneumonia	44	34	52	33	38	27	25	38	29	29	38	32	419
Chronic Lower Respiratory Diseases	191	146	157	149	129	129	139	96	109	148	119	167	1,679
--Bronchitis, Emphysema and Asthma	11	6	7	3	7	4	3	4	4	11	5	12	77
Lung Diseases due to External Agents	16	13	16	13	9	9	9	9	10	16	17	11	148
--Coal Worker's Pneumoconiosis	1	0	2	1	0	1	3	0	1	4	2	0	15
Chronic Liver Disease and Cirrhosis	34	17	33	29	27	34	17	30	32	33	26	26	338
Nephritis, Nephrotic Syndrome and Nephrosis	45	36	38	41	25	27	33	32	38	33	44	44	436
Congenital Malformations	7	2	10	7	7	9	8	8	3	5	3	8	77
Ill-Defined and Unknown Causes of Death	42	30	36	36	31	34	27	26	43	29	32	40	406
Accidents, All Forms	186	149	135	180	155	159	157	158	117	161	160	163	1,880
--Motor Vehicle	23	16	17	33	31	31	36	32	21	37	35	25	337
--Falls	39	30	18	32	29	31	23	32	25	32	32	30	353
--Drownings	2	1	3	1	2	7	3	3	1	1	0	1	25
--Smoke, Fire and Flames	5	2	7	2	1	1	0	2	1	5	3	7	36
--Poisonings	93	91	87	98	74	75	85	71	57	73	80	90	974
--Other Accidents	24	9	3	14	18	14	10	18	12	13	10	10	155
Intentional Self-Harm (Suicide)	32	25	36	39	39	34	34	36	30	39	27	24	395
Assault (Homicide)	10	11	4	9	5	8	7	10	9	14	11	14	112
Injury Undetermined Whether Accidental or Purposely Inflicted	8	4	6	6	7	5	6	3	1	2	4	2	54
All Other Causes (Residual)	314	261	306	261	234	237	233	244	234	248	243	299	3,114

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022



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

## Infant and Fetal Death Summary

Deaths of infants under one year of age decreased by 6 from 139 in 2016 to 133. West Virginia's infant mortality rate also decreased (2.7%) from 7.3 per 1,000 live births in 2016 to 7.1 in 2017. The U.S. infant mortality rate was 5.8 in 2017.

The following table shows the decline in the national and state infant mortality rates from 1950 through 2017.

**1950 – 2017 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
2017	7.1	5.8

The state's 2017 white infant mortality rate decreased from 7.2 in 2016 to 6.9 in 2017, and the rate for black infants also decreased from 14.8 to 10.8 (see Statistical Variation in Appendix B, page 185). West Virginia's 2017 race-specific infant mortality rates and comparable U.S. rates are shown in the table on the following page.

**2017 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	133	7.1	22,335	5.8
White	120	6.9	13,867	4.7
Black	7	10.8	7,099	10.5
Other	6	8.3	1,369	7.7

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

Approximately one out of nine (11.3%) infant deaths in 2017 was due to SIDS (sudden infant death syndrome). Over one in four (28.6%) was the result of congenital malformations, while 35.3% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (6.0%).

### Neonatal/Postneonatal Deaths

The number of neonatal deaths dropped by six, from 84 in 2016 to 78 in 2017; the neonatal death rate declined from 4.4 deaths per 1,000 live births among infants aged less than 28 days in 2016 to 4.1 in 2017. Neonatal deaths comprised 58.8% of all West Virginia resident infant deaths in 2017, compared with 60.4% in 2016. The rate of postneonatal deaths stayed the same at 2.9 deaths per 1,000 neonatal survivors in 2016 and 2017. The 2017, 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, 68, 69 and 79 in this publication will now report the number of fetal deaths using CDC’s standard procedures.

The 107 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 2017 were 11 more than in 2016 (96). The fetal death ratio rose from 5.0 deaths per 1,000 live births in 2016 to 5.6 in 2017. The majority (96.3%) of fetal deaths were due to conditions originating in the perinatal period, including maternal conditions (0.9%), maternal complications (1.9%), short gestation and low birthweight (46.7%) and other ill-defined perinatal conditions (47.7%). There were no fetal deaths due to congenital malformations in 2017.

Note: All percentage differences in this summary are calculated by using the previous year’s result as the denominator.

Fetal Deaths, Neonatal Deaths and Postneonatal Deaths: Number and Rate/Ratio  
West Virginia Resident Deaths, 1925-2017

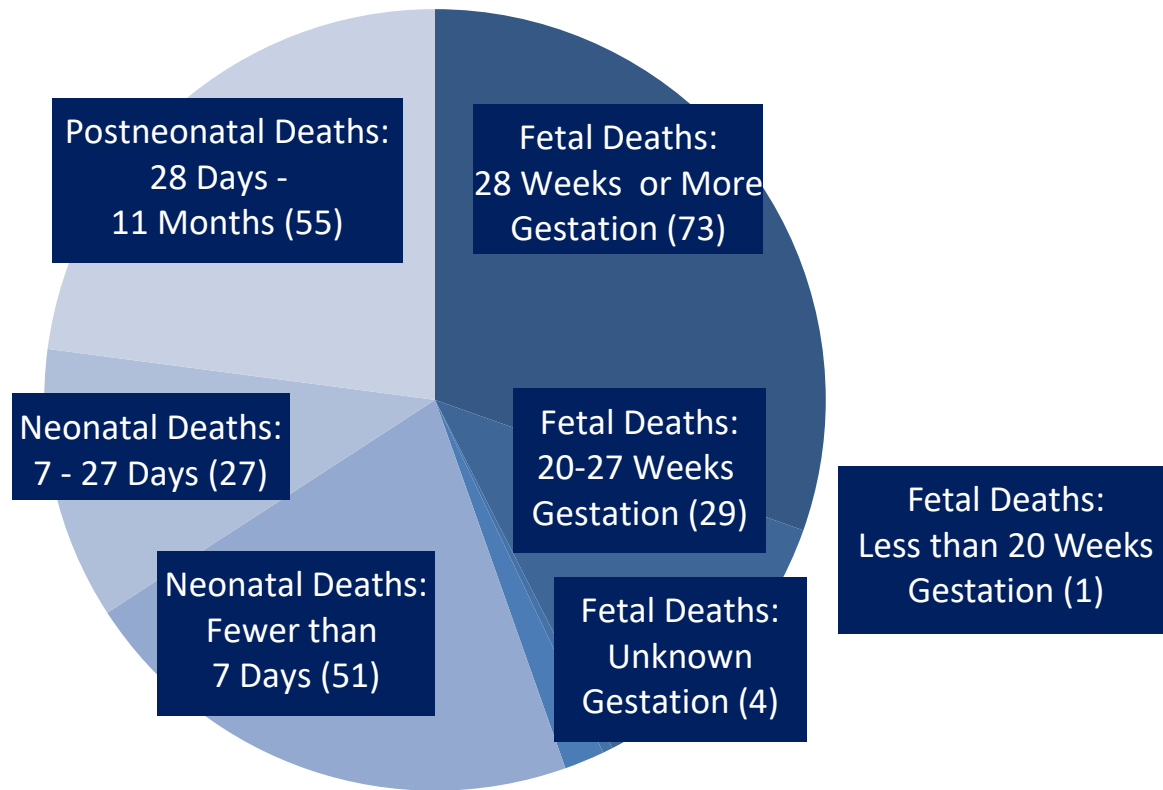
Table 28

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
2017	107	5.6	78	4.1	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, 2022

\*\*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, 2017  
Exhibit 14



West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022



Causes of Resident Infant Deaths by Age  
West Virginia, 2017  
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	36	15	27	55	133
A00-B99	Certain Infectious and Parasitic Diseases	0	1	0	2	3
A00-A09	Intestinal Infectious Diseases	0	0	0	1	1
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	0	0	0	1	1
A30-A49	Other Bacterial Diseases	0	1	0	0	1
A41	Other Septicemia	0	1	0	0	1
B25-B34	Other Viral Diseases	0	0	0	1	1
B34	Viral Infection of Unspecified Site	0	0	0	1	1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	0	0	0	1	1
E70-E90	Metabolic Disorders	0	0	0	1	1
E88	Other Metabolic Disorders	0	0	0	1	1
G00-G99	Diseases of the Nervous System	0	0	1	0	1
G90-G99	Other Disorders of the Nervous System	0	0	1	0	1
G93	Other Disorders of Brain	0	0	1	0	1
I00-I99	Diseases of the Circulatory System	0	0	1	2	3
I00-I09, I11, I13, I26-I28	Diseases of the Heart	0	0	0	1	1
I27	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	0	0	0	1	1
I27	Other Pulmonary Heart Diseases	0	0	0	1	1
I60-I69	Cerebrovascular Diseases	0	0	0	1	1
I61	Intracerebral Hemorrhage	0	0	0	1	1
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	0	0	1	0	1
I89	Other Noninfective Disorders of Lymphatic Vessels and Lymph Nodes	0	0	1	0	1
N00-N99	Diseases of the Genitourinary System	0	0	0	1	1
N17-N19	Renal Failure	0	0	0	1	1
N17	Acute Renal Failure	0	0	0	1	1
P00-P96	Certain Conditions Originating in the Perinatal Period	22	5	11	9	47
P00-P04	Newborn Affected by Maternal Factors & Comp. of Pregnancy, Labor and Delivery	9	1	1	5	16
P01	Newborn Affected by Maternal Complications of Pregnancy	4	1	0	1	6
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	2	0	0	0	2
P01.5	Multiple Pregnancy	1	1	0	1	3
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	4	0	0	0	4
P02.1	Other Forms of Placenta Separation and Hemorrhage	2	0	0	0	2
P02.7	Chorioamnionitis	2	0	0	0	2
P04	Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast	1	0	1	4	6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Infant Deaths by Age  
West Virginia, 2017  
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	7	1	0	0	8
P07	Disorders Related to Short Gestation and LBW, Not Elsewhere Classified	7	1	0	0	8
P07.2	Extreme Immaturity	4	1	0	0	5
P07.3	Other Preterm Infants	3	0	0	0	3
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	3	2	5	2	12
P20	Intrauterine Hypoxia	0	0	1	0	1
P21	Birth Asphyxia	1	0	0	1	2
P22	Respiratory Distress of Newborn	0	1	1	0	2
P22.0	Respiratory Distress Syndrome	0	1	1	0	2
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal	0	0	1	0	1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	0	1	0	0	1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	0	0	0	1	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	1	0	1	0	2
P29	Cardiovascular Disorders Originating in the Perinatal Period	1	0	1	0	2
P29.0	Neonatal Cardiac Failure	1	0	0	0	1
P29.3	Persistent Fetal Circulation	0	0	1	0	1
P35-P39	Infections Specific to the Perinatal Period	0	0	3	0	3
P36	Bacterial Sepsis of Newborn	0	0	3	0	3
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	1	1	1	0	3
P52	Intracranial Nontraumatic Hemorrhage of Newborn	0	1	1	0	2
P61	Other Perinatal Hematological Disorders	1	0	0	0	1
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	2	0	0	1	3
P81	Other Disturbances of Temperature Regulation of Newborn	1	0	0	0	1
P83	Other Conditions of Integument Specific to Newborn	1	0	0	1	2
P90-P96	Other Disorders Originating in the Perinatal Period	0	0	0	1	1
P96	Other Conditions Originating in the Perinatal Period	0	0	0	1	1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	14	8	7	9	38
Q00-Q07	Congenital Malformations of the Nervous System	2	1	2	1	6
Q00	Anencephaly and Similar Malformations	2	1	0	0	3
Q04	Other Congenital Malformations of Brain	0	0	2	1	3
Q20-Q28	Congenital Malformations of the Circulatory System	0	3	1	4	8
Q20	Congenital Malformations of Cardiac Chambers and Connections	0	1	0	1	2

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Infant Deaths by Age  
West Virginia, 2017  
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
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	1	0	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	0	1	1	2
Q24	Other Congenital Malformations of the Heart	0	0	0	1	1
Q25	Congenital Malformations of Great Arteries	0	1	0	1	2
Q30-Q34	Congenital Malformations of the Respiratory System	3	0	0	0	3
Q33	Congenital Malformations of Lung	3	0	0	0	3
Q60-Q64	Congenital Malformations of the Urinary System	4	3	0	0	7
Q60	Renal Agenesis and Other Reduction Defects of Kidney	2	1	0	0	3
Q61	Cystic Kidney Disease	2	2	0	0	4
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	0	1	1	2
Q78	Other Osteochondrodysplasias	0	0	0	1	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	0	1	0	1
Q80-Q89	Other Congenital Malformations	1	0	1	1	3
Q89	Other Congenital Malformations, Not Elsewhere Classified	1	0	1	1	3
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	4	1	2	2	9
Q91	Edwards' Syndrome and Patau's Syndrome	2	1	2	2	7
Q92	Other and Partial Trisomies of the Autosomes, Not Elsewhere Classified	2	0	0	0	2
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	0	4	23	27
R95-R99	Ill-Defined and Unknown Causes of Mortality	0	0	4	23	27
R95	Sudden Infant Death Syndrome	0	0	0	16	16
R99	Other Ill-Defined and Unspecified Causes of Mortality	0	0	4	7	11
V01-Y98	External Causes of Morbidity and Mortality	0	1	3	8	12
W00-X59	Other External Causes of Accidental Injury	0	0	1	3	4
W65-W74	Accidental Drowning and Submersion	0	0	0	1	1
W65	Drowning and Submersion while in Bathtub	0	0	0	1	1
W75-W84	Other Accidental Threats to Breathing	0	0	1	2	3
W75	Accidental Suffocation and Strangulation in Bed	0	0	1	1	2
W84	Unspecified Threat to Breathing	0	0	0	1	1
X85-Y09	Assault	0	0	0	3	3
X85	Assault by Drugs, Medicaments and Biological Substances	0	0	0	1	1
Y09	Assault by Unspecified Means	0	0	0	2	2
Y10-Y34	Event of Undetermined Intent	0	1	2	2	5
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	0	0	2	2	4
Y34	Unspecified Event, Undetermined Intent	0	1	0	0	1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2017  
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	53	23	56	1	133
A00-B99	Certain Infectious and Parasitic Diseases	1	0	2	0	3
A00-A09	Intestinal Infectious Diseases	1	0	0	0	1
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	1	0	0	0	1
A30-A49	Other Bacterial Diseases	0	0	1	0	1
A41	Other Septicemia	0	0	1	0	1
B25-B34	Other Viral Diseases	0	0	1	0	1
B34	Viral Infection of Unspecified Site	0	0	1	0	1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	0	0	1	0	1
E70-E90	Metabolic Disorders	0	0	1	0	1
E88	Other Metabolic Disorders	0	0	1	0	1
G00-G99	Diseases of the Nervous System	0	1	0	0	1
G90-G99	Other Disorders of the Nervous System	0	1	0	0	1
G93	Other Disorders of Brain	0	1	0	0	1
I00-I99	Diseases of the Circulatory System	1	0	2	0	3
I00-I09, I11,	Diseases of the Heart	0	0	1	0	1
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	0	0	1	0	1
I27	Other Pulmonary Heart Diseases	0	0	1	0	1
I60-I69	Cerebrovascular Diseases	1	0	0	0	1
I61	Intracerebral Hemorrhage	1	0	0	0	1
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	0	0	1	0	1
I89	Other Noninfective Disorders of Lymphatic Vessels and Lymph Nodes	0	0	1	0	1
N00-N99	Diseases of the Genitourinary System	1	0	0	0	1
N17-N19	Renal Failure	1	0	0	0	1
N17	Acute Renal Failure	1	0	0	0	1
P00-P96	Certain Conditions Originating in the Perinatal Period	40	2	5	0	47
P00-P04	Newborn Affected by Maternal Factors and Comp. of Pregnancy, Labor and Delivery	12	1	3	0	16
P01	Newborn Affected by Maternal Complications of Pregnancy	3	0	0	0	6
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	2	0	0	0	2
P01.5	Multiple Pregnancy	3	0	0	0	3
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	4	0	0	0	4
P02.1	Other Forms of Placenta Separation and Hemorrhage	2	0	0	0	2
P02.7	Chorioamnionitis	2	0	0	0	2
P04	Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast	2	1	3	0	6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2017  
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	8	0	0	0	8
P07	Disorders Related to Short Gestation and LBW, Not Elsewhere Classified	8	0	0	0	8
P07.2	Extreme Immaturity	5	0	0	0	5
P07.3	Other Preterm Infants	3	0	0	0	3
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	11	0	1	0	12
P20	Intrauterine Hypoxia	1	0	0	0	1
P21	Birth Asphyxia	1	0	1	0	2
P22	Respiratory Distress of Newborn	2	0	0	0	2
P22.0	Respiratory Distress Syndrome	2	0	0	0	2
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal	1	0	0	0	1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	1	0	0	0	1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	1	0	0	0	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	2	0	0	0	2
P29	Cardiovascular Disorders Originating in the Perinatal Period	2	0	0	0	2
P29.0	Neonatal Cardiac Failure	1	0	0	0	1
P29.3	Persistent Fetal Circulation	1	0	0	0	1
P35-P39	Infections Specific to the Perinatal Period	3	0	0	0	3
P36	Bacterial Sepsis of Newborn	3	0	0	0	3
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	2	1	0	0	3
P52	Intracranial Nontraumatic Hemorrhage of Newborn	1	1	0	0	2
P61	Other Perinatal Hematological Disorders	1	0	0	0	1
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	1	0	3
P81	Other Disturbances of Temperature Regulation of Newborn	1	0	0	0	1
P83	Other Conditions of Integument Specific to Newborn	1	0	1	0	2
P90-P96	Other Disorders Originating in the Perinatal Period	1	0	0	0	1
P96	Other Conditions Originating in the Perinatal Period	1	0	0	0	1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	9	12	16	1	38
Q00-Q07	Congenital Malformations of the Nervous System	1	1	4	0	6
Q00	Anencephaly and Similar Malformations	1	1	1	0	3
Q04	Other Congenital Malformations of Brain	0	0	3	0	3
Q20-Q28	Congenital Malformations of the Circulatory System	1	2	5	0	8
Q20	Congenital Malformations of Cardiac Chambers and Connections	0	2	0	0	0

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Health Statistics Center, Vital Statistics System, 2022

Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2017  
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	
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	1	0	0	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	0	2	0	2
Q24	Other Congenital Malformations of the Heart	0	0	1	0	1
Q25	Congenital Malformations of Great Arteries	0	0	2	0	2
Q30-Q34	Congenital Malformations of the Respiratory System	2	1	0	0	3
Q33	Congenital Malformations of Lung	2	1	0	0	3
Q60-Q64	Congenital Malformations of the Urinary System	2	2	3	0	7
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	2	0	0	3
Q61	Cystic Kidney Disease	1	0	3	0	4
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	0	2	0	2
Q78	Other Osteochondrodysplasias	0	0	1	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	0	1	0	1
Q80-Q89	Other Congenital Malformations	0	3	0	0	3
Q89	Other Congenital Malformations, Not Elsewhere Classified	0	3	0	0	3
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	3	3	2	1	9
Q91	Edwards' Syndrome and Patau's Syndrome	1	3	2	1	7
Q92	Other and Partial Trisomies of the Autosomes, Not Elsewhere Classified	2	0	0	0	2
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	1	5	21	0	27
R95-R99	Ill-Defined and Unknown Causes of Mortality	1	5	21	0	27
R95	Sudden Infant Death Syndrome	1	4	11	0	16
R99	Other Ill-Defined and Unspecified Causes of Mortality	0	1	10	0	11
V01-Y98	External Causes of Morbidity and Mortality	0	3	9	0	12
W00-X59	Other External Causes of Accidental Injury	0	0	4	0	4
W65-W74	Accidental Drowning and Submersion	0	0	1	0	1
W65	Drowning and Submersion while in Bathtub	0	0	1	0	1
W75-W84	Other Accidental Threats to Breathing	0	0	3	0	3
W75	Accidental Suffocation and Strangulation in Bed	0	0	2	0	2
W84	Unspecified Threat to Breathing	0	0	1	0	1
X85-Y09	Assault	0	2	1	0	3
X85	Assault by Drugs, Medicaments and Biological Substances	0	1	0	0	1
Y09	Assault by Unspecified Means	0	1	1	0	2
Y10-Y34	Event of Undetermined Intent	0	1	4	0	5
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	0	1	3	0	4
Y34	Unspecified Event, Undetermined Intent	0	0	1	0	1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Births and Infant Deaths by Selected Risk Factors and Demographics  
West Virginia Residents, 2017  
Table 31

Factor	Births		Infant Deaths	
	Number	Percent*	Number	Percent*
Total	18,679		133	
Birthweight < 2,500 Grams	1,787	9.6%	76	57.6%
Birthweight < 1,500 Grams	300	1.6%	53	40.2%
Gestational Age < 37 Weeks	2,243	12.0%	76	57.1%
Gestational Age 37-38 Weeks	5,216	27.9%	27	20.3%
Gestational Age 39+ Weeks	11,209	60.0%	30	22.6%
Age of Mother < 20 Years	1,423	7.6%	16	12.0%
Age of Mother < 15 Years	10	0.1%	1	0.8%
Unmarried Mothers	8,472	45.4%	73	54.9%
Mothers Using Tobacco	4,608	24.7%	60	45.1%
White or Caucasian Mothers	17,307	92.7%	122	93.1%
Black or African American Mothers	648	3.5%	9	6.9%
Mothers of Other Races	714	3.8%	0	0.0%
Mothers of Unknown Race	10		2	

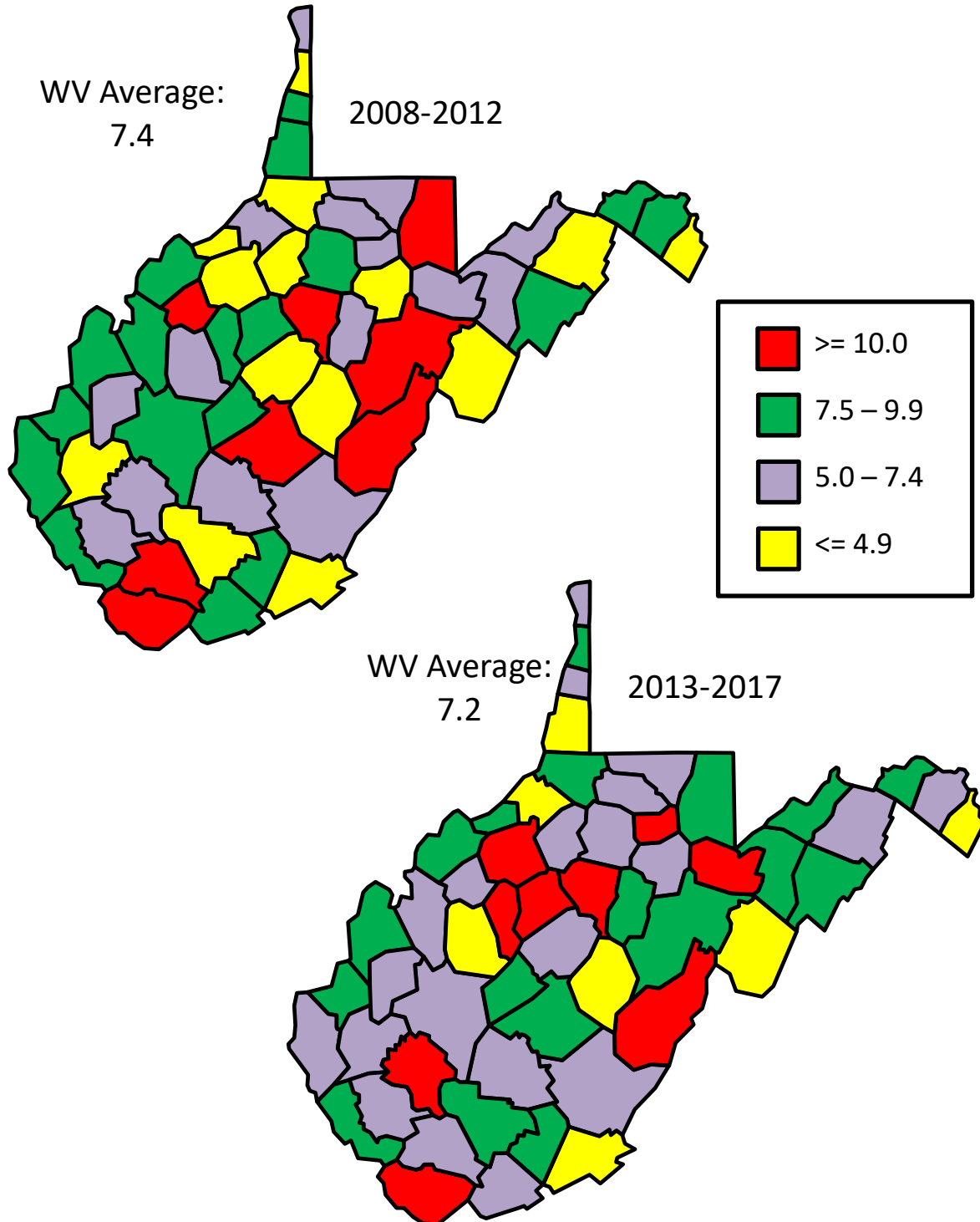
\*Percentages are calculated excluding unknown numbers.

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2022

# Resident Infant Death Rates by County West Virginia, 2008-2012 and 2013-2017

## Exhibit 15



West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022



Causes of Resident Fetal Deaths  
West Virginia, 2013-2017  
Table 32

ICDA 10 Code	Cause of Death	2013*	2014*	2015	2016	2017
A00-Z99*	Total Deaths, All Causes	84	87	86	96	107
C00-D48	Neoplasms	0	1	0	0	0
D10-D36	Benign Neoplasms	0	1	0	0	0
D18	Hemangioma and Lymphangioma, Any Site	0	1	0	0	0
I00-I99	Diseases of the Circulatory System	0	1	0	0	0
I60-I69	Cerebrovascular Diseases	0	1	0	0	0
I62	Other Nontraumatic Intracranial Hemorrhage	0	1	0	0	0
P00-P96	Certain Conditions Originating in the Perinatal Period	77	76	70	94	103
P00-P04	Fetus Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	36	37	33	13	2
P00	Fetus Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	6	4	5	1	1
P00.0	Maternal Hypertensive Disorders	4	4	5	1	0
P00.1	Maternal Renal and Urinary Tract Diseases	1	0	0	0	0
P00.8	Other Maternal Conditions	1	0	0	0	1
P01	Fetus Affected by Maternal Complications of Pregnancy	8	5	6	2	1
P01.0	Incompetent Cervix	0	1	0	0	0
P01.1	Premature Rupture of Membranes	7	3	6	1	1
P01.3	Polyhydramnios	0	0	0	1	0
P01.5	Multiple Pregnancy	1	0	0	0	0
P01.8	Other Maternal Complications of Pregnancy	0	1	0	0	0
P02	Fetus Affected by Complications of Placenta, Cord and Membranes	22	27	22	8	0
P02.1	Other Forms of Placenta Separation and Hemorrhage	7	6	8	3	0
P02.2	Other and Unspecified Morphological and Functional Abnormalities of Placenta	0	1	0	0	0
P02.3	Placental Transfusion Syndromes	0	1	0	0	0
P02.4	Prolapsed Cord	0	2	0	0	0
P02.5	Other Compression of Umbilical Cord	10	6	5	2	0
P02.6	Other and Unspecified Conditions of Umbilical Cord	0	10	7	0	0
P02.7	Chorioamnionitis	5	1	2	2	0
P03	Fetus Affected by Other Complications of Labor and Delivery	0	0	0	1	0
P04	Fetus Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	0	1	0	1	0
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	7	5	6	30	50
P05	Slow Fetal Growth and Fetal Malnutrition	0	0	1	0	0
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	7	5	5	30	50
P07.2	Extreme Immaturity	4	2	1	30	50
P07.3	Other Preterm Infants	3	3	4	0	0
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	2	2	2	1	0
P20	Intrauterine Hypoxia	1	2	0	0	0
P29	Cardiovascular Disorders Originating in the Perinatal Period	1	0	2	1	0
P29.0	Neonatal Cardiac Failure	0	0	1	0	0

\*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, 2022

Causes of Resident Fetal Deaths  
West Virginia, 2013-2017  
Table 32 (Cont'd)

ICDA 10 Code	Cause of Death	2013*	2014*	2015	2016	2017
P29.1	Neonatal Cardiac Dysrhythmia	0	0	0	1	0
P29.2	Neonatal Hypertension	1	0	1	0	0
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus	4	1	0	1	0
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Fetus	4	1	0	1	0
P70.0	Syndrome of "Infant of Mother with Gestational Diabetes	1	0	0	0	0
P70.1	Syndrome of "Infant of a Diabetic Mother	1	1	0	1	0
P70.2	Neonatal Diabetes Mellitus	2	0	0	0	0
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus	3	4	1	0	0
P83	Other Conditions of Integument Specific to Fetus	3	4	1	0	0
P90-P96	Other Disorders Originating in the Perinatal Period	25	27	28	49	51
P91	Other Disturbances of Cerebral Status of Newborn	0	1	0	0	0
P95	Fetal Death of Unspecified Cause	0	0	1	37	51
P96	Other Conditions Originating in the Perinatal Period	25	26	27	12	0
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	6	9	8	2	0
Q00-Q07	Congenital Malformations of the Nervous System	1	2	0	0	0
Q03	Congenital Hydrocephalus	0	1	0	0	0
Q04	Other Congenital Malformations of Brain	0	1	0	0	0
Q07	Other Congenital Malformations of Nervous System	1	0	0	0	0
Q20-Q28	Congenital Malformations of the Circulatory System	1	1	0	1	0
Q21	Congenital Malformations of Cardiac Septa	0	0	0	1	0
Q23	Congenital Malformations of Aortic and Mitral Valves	1	1	0	0	0
Q30-Q34	Congenital Malformations of the Respiratory System	0	0	1	0	0
Q32	Congenital Malformations of Trachea and Bronchus	0	0	1	0	0
Q60-Q64	Congenital Malformations of the Urinary System	1	0	0	1	0
Q60	Renal Agenesis and Other Reduction Defects of Kidney	0	0	0	1	0
Q64	Other Congenital Malformations of Urinary System	1	0	0	0	0
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	1	1	1	0	0
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	1	1	1	0	0
Q80-Q89	Other Congenital Malformations	1	2	3	0	0
Q89	Other Congenital Malformations, Not Elsewhere Classified	1	2	3	0	0
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	1	3	3	0	0
Q91	Edwards' Syndrome and Patau's Syndrome	1	0	3	0	0
Q96	Turner's Syndrome	0	2	0	0	0
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	0	1	0	0	0
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	1	0	8	0	4
R95-R99	Ill-Defined and Unknown Causes of Mortality	1	0	8	0	4
R99	Other Ill-Defined and Unspecified Causes of Mortality	1	0	8	0	4

\*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, 2022



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.

The only free-standing clinic that perform ITOPs on demand in West Virginia is 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 have an ITOP performed in West Virginia. Due to known incomplete reporting, therefore, the procedures performed on West Virginia residents in other states have been excluded from the compiled statistics.

W.Va. Code §16-21-2 requires clinics to provide counseling and informational guidance to females seeking an abortion. All but four of the 2017 ITOP records indicate the female did, in fact, receive counseling, compared to all but nine in 2016. There are some isolated incidents where the ITOP needs to be performed due to a medical emergency. In 2017, there were seven ITOPs performed due to a medical emergency, compared to four in 2016.

In 2017, there were 1,447 ITOPs performed in West Virginia, 19 or 1.3% more than in 2016 (1,428). Nearly eight out of every nine (88.0%) ITOPs involved a West Virginia resident, while 5.2% were Kentucky residents and 4.8% were residents of Ohio, compared with 2016 percentages of 88.0%, 5.8% and 5.2%, respectively. The median age of women who had an ITOP in 2017 was 25, same as 2016. There were 38 procedures in 2017 involving females under the age of 18, of which all 38 were performed on unemancipated\* minors, compared with 42 in 2016, of which 41 were performed on unemancipated minors. More than five out of every six (83.4%) of the 2017 ITOPs performed in West Virginia involved women who were not married at the time. Thirty percent (30.4%) of the 2017 ITOPs involved women who had never had a previous live birth, while 82.4% were to women who had two or fewer children. There were nine ITOPs performed on a woman who had six or more children. Sixty-one percent (61.4%) involved women for whom it was their first ITOP, while nearly all (94.7%) involved women who had two or fewer previous ITOPs. Five 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, 2017**

**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	1	0	0	0	0	0	2
15-17	10	11	8	5	2	0	0	36
18-19	54	17	13	5	4	2	0	95
20-24	231	113	40	51	13	1	0	449
25-29	227	87	34	50	19	1	1	419
30-34	136	71	27	25	8	1	0	268
35-39	74	28	10	12	4	0	0	128
40-44	27	9	5	6	1	1	0	49
45+	0	0	0	1	0	0	0	1
Unknown	0	0	0	0	0	0	0	0
<b>Total</b>	<b>760</b>	<b>337</b>	<b>137</b>	<b>155</b>	<b>51</b>	<b>6</b>	<b>1</b>	<b>1,447</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, 2017**

**Table 34**

Age of Female	Marital Status						Total
	Married	Never Married	Divorced	Separated	Widowed	Unknown	
10-14	0	2	0	0	0	0	2
15-17	0	36	0	0	0	0	36
18-19	2	91	0	2	0	0	95
20-24	40	374	23	12	0	0	449
25-29	46	313	35	22	3	0	419
30-34	54	156	44	14	0	0	268
35-39	27	61	32	4	3	1	128
40-44	12	18	15	4	0	0	49
45+	0	0	1	0	0	0	1
Unknown	0	0	0	0	0	0	0
<b>Total</b>	<b>181</b>	<b>1,051</b>	<b>150</b>	<b>58</b>	<b>6</b>	<b>1</b>	<b>1,447</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Induced Terminations of Pregnancy  
By Age of Female and Previous Live Births  
West Virginia Occurrences, 2017

Table 35

Age of Female	Previous Live Births						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	2	0	0	0	0	0	2
15-17	36	0	0	0	0	0	36
18-19	72	19	4	0	0	0	95
20-24	165	153	99	22	10	0	449
25-29	107	122	105	55	29	1	419
30-34	37	71	81	49	30	0	268
35-39	16	30	41	25	15	1	128
40-44	4	14	13	12	6	0	49
45+	0	0	0	1	0	0	1
Unknown	0	0	0	0	0	0	0
Total	439	409	343	164	90	2	1,447

Previous Induced Terminations of Pregnancy  
By Age of Female  
West Virginia Occurrences, 2017

Table 36

Age of Female	Previous Induced Terminations						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	2	0	0	0	0	0	2
15-17	36	0	0	0	0	0	36
18-19	85	7	3	0	0	0	95
20-24	314	94	32	7	2	0	449
25-29	236	110	52	13	7	1	419
30-34	134	75	32	18	9	0	268
35-39	57	41	14	9	7	0	128
40-44	23	16	5	2	3	0	49
45+	1	0	0	0	0	0	1
Unknown	0	0	0	0	0	0	0
Total	888	343	138	49	28	1	1,447

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022



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 sixth year in a row, from 11,664 in 2016 to 11,464 in 2017. Of those 2017 marriages, 11,280 were male-female marriages while 184 were of the same sex. The marriage rate in 2017 was 6.3 per 1,000 population, lower than 6.4 rate in 2016. The 2017 U.S. provisional rate was 6.9.

For male-female marriages in 2017, the median age was 28 for brides and 31 for grooms. The mode (most frequently reported age) for male-female marriages was 22 for brides and 25 for grooms. There were 46 brides and 11 grooms aged less than 18. There were 221 brides and 384 grooms over the age of 65. Also in 2016, there were 210 marriages in which the groom was 20 years or more older than the bride, while there were 22 marriages in which the bride was at least 20 years older.

For first marriages 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. Forty-four of the 46 West Virginia's brides and 10 of 11 grooms less than 18 years of age were in their first marriage. There were 11 brides and 10 grooms over the age of 65 for which it was a first marriage.

There were 184 same-sex marriages in 2017 compared to 300 in 2016. Of the 184 same-sex marriages in 2017, 38 were two males and the remaining 146 were two females. The median age for these same-sex marriages was 32; 36 for males, 31 for females. The mode (most frequently reported age) for same-sex marriages was 27; 24 for males, 27 for females. There were four (4) same-sex marriages involving someone over the age of 65; two for each of the males and females. State law requires same-sex partners to be at least 18 years of age.

## Divorces and Annulments

The number of reported divorces and annulments decreased by 546 or 7.8%, from 6,880 in 2016 to 6,492 in 2017. The 2017 rate of 3.6 per 1,000 population was lower than the 2016 rate of 3.8.

Data structure changed during 2017 which allowed records of divorces involving same-sex couples. Of the 6,492 reported divorces and annulments, 48 involved same-sex couples. Of the 6,444 male-female divorces in West Virginia in 2017, the median duration of marriage was six years. One out of every five (20.3%) West Virginia male-female divorces with a known duration in 2017 involved marriages lasting only two years or less; 8.5% involved marriages of 25 years or longer. There were no divorces involving either a wife nor a husband aged less than 18. During 2017, 148 divorces involved a wife aged 65 or older and 280 involved a husband in that age group.

More than one-half (55.3%) of the male-female divorces involved no children under 18 years of age in the family, while one child was involved in 20.7% of male-female divorces and two children were involved in 16.9%. Six male-female divorces involved six or more children.

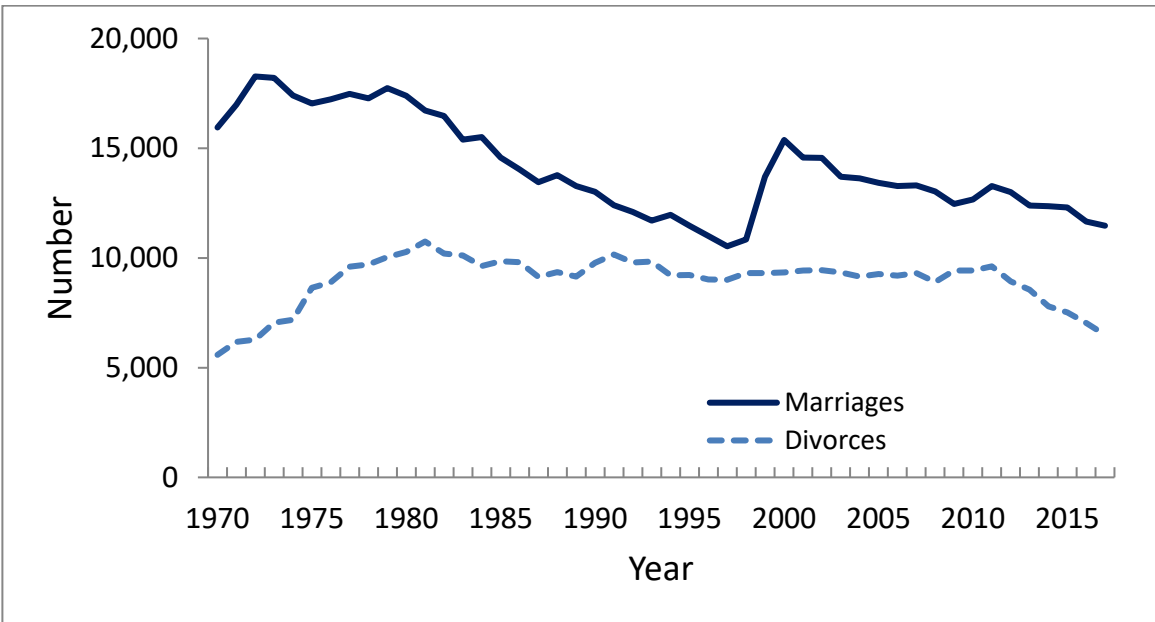
Of all 6,492 reported divorces in West Virginia in 2017, the median duration of marriage was six years. One out of every five (20.6%) West Virginia divorces with a known duration in 2017 involved marriages lasting only two years or less; 8.5% involved marriages of 25 years or longer. There were no divorces involving either a petitioner nor respondent aged less than 18. During 2017, 214 divorces involved petitioner or respondent aged 65 or older.

More than one-half (55.5%) of the reported divorces involved no children under 18 years of age in the family, while one child was involved in 20.7% of divorces and two children were involved in 16.8%. Six 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, 1970-2017  
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
2017	11,464	6,492

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

## All Marriages by Age of Bride and Groom

West Virginia, 2017

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	180	309	53	15	5	5	1	0	0	0	0	0	568
20-24 Years	0	81	1,484	844	215	71	18	15	7	4	1	0	0	2,740
25-29 Years	0	6	274	1,181	631	220	96	38	17	3	2	0	0	2,468
30-34 Years	0	3	51	287	589	378	140	57	40	16	13	0	0	1,574
35-39 Years	0	1	19	83	186	355	250	128	61	24	17	0	0	1,124
40-44 Years	0	1	7	18	54	141	261	209	113	52	33	0	0	889
45-49 Years	0	1	3	6	24	36	129	276	171	85	54	0	0	785
50-54 Years	0	0	1	3	6	13	35	82	165	122	95	0	0	522
55-59 Years	0	0	0	0	1	4	5	19	63	98	132	0	0	322
60 Years & Over	0	0	0	0	0	2	4	12	25	39	388	0	0	470
Unknown	0	0	0	0	0	0	0	0	0	0	0	2	2	2
Total	0	273	2,148	2,475	1,721	1,225	943	837	662	443	735	2	2	11,464

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, 2022

Male-Female Marriages by Age of Bride and Groom  
West Virginia, 2017

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
15-19 Years	0	177	306	52	15	5	5	1	0	0	0	0	561
20-24 Years	0	79	1,469	834	213	71	18	15	7	4	1	0	2,711
25-29 Years	0	6	268	1,167	624	216	92	38	17	3	2	0	2,433
30-34 Years	0	3	49	276	585	373	136	57	38	16	12	0	1,545
35-39 Years	0	0	19	76	184	347	248	125	61	23	16	0	1,099
40-44 Years	0	1	7	17	53	140	254	206	112	52	33	0	875
45-49 Years	0	1	3	6	24	35	126	273	170	85	54	0	777
50-54 Years	0	0	1	2	4	11	34	80	156	119	95	0	502
55-59 Years	0	0	0	0	1	3	5	18	59	97	130	0	313
60 Years & Over	0	0	0	0	0	1	4	12	24	36	385	0	462
Unknown	0	0	0	0	0	0	0	0	0	0	0	2	2
Total	0	267	2,122	2,430	1,703	1,202	922	825	644	435	728	2	11,280

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, 2022

Same-Sex Marriages by Age  
West Virginia, 2017  
Table 39

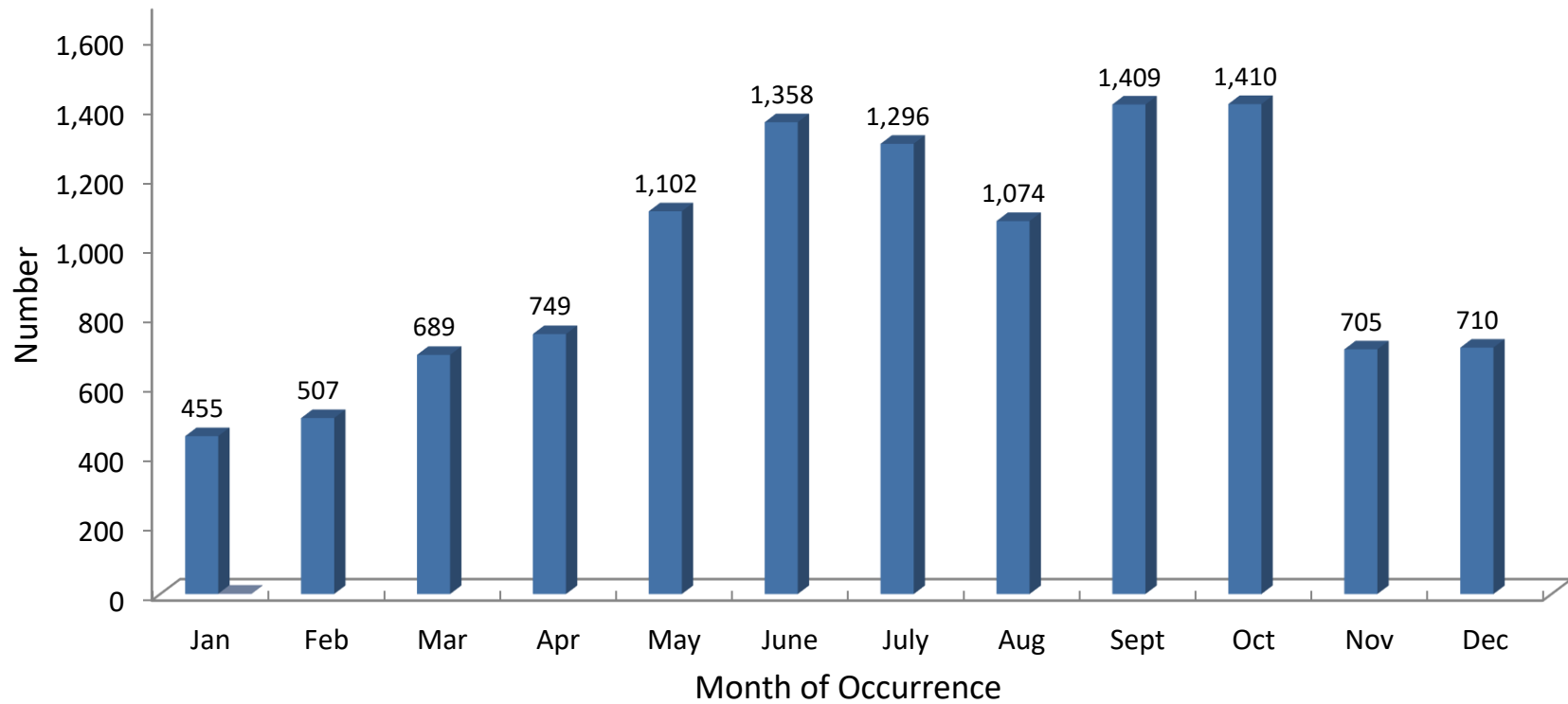
Age of Partner 1	Age of Partner 2												Total	
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 Years & Over	Unknown		
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	3	3	1	0	0	0	0	0	0	0	0	0	7
20-24 Years	0	2	15	10	2	0	0	0	0	0	0	0	0	29
25-29 Years	0	0	6	14	7	4	4	0	0	0	0	0	0	35
30-34 Years	0	0	2	11	4	5	4	0	2	0	1	0	0	29
35-39 Years	0	1	0	7	2	8	2	3	0	1	1	0	0	25
40-44 Years	0	0	0	1	1	1	7	3	1	0	0	0	0	14
45-49 Years	0	0	0	0	0	1	3	3	1	0	0	0	0	8
50-54 Years	0	0	0	1	2	2	1	2	9	3	0	0	0	20
55-59 Years	0	0	0	0	0	1	0	1	4	1	2	0	0	9
60 Years & Over	0	0	0	0	0	1	0	0	1	3	3	0	0	8
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	6	26	45	18	23	21	12	18	8	7	0	0	184

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, 2022

### All Marriages by Month of Occurrence West Virginia, 2017 Exhibit 17



West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

All Marriages by Previous Marital Status  
West Virginia, 2017  
Table 40

Bride/Partner 1	Groom/Partner 2					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,320	44	1,141	9	7	6,521
Widowed	51	137	238	3	3	432
Divorced	1,248	205	2,800	8	45	4,306
Annulled	6	2	8	6	0	22
Not Stated	16	2	39	0	126	183
Total	6,641	390	4,226	26	181	11,464

All Marriages by Number of Previous Marriages  
West Virginia, 2017  
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	5,420	997	189	39	9	2	6,656
One Previous Marriage	1,060	1,388	525	120	24	2	3,119
Two Previous Marriages	236	493	323	104	35	2	1,193
Three Previous Marriages	45	131	102	49	16	1	344
Four or More Previous Marriages	20	55	45	12	15	0	147
Not Stated	0	1	1	0	1	2	5
Total	6,781	3,065	1,185	324	100	9	11,464

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022



Male-Female Marriages by Previous Marital Status  
West Virginia, 2017

Table 42

Bride	Groom					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,226	44	1,120	9	7	6,406
Widowed	51	137	237	3	3	431
Divorced	1,221	205	2,777	8	42	4,253
Annulled	6	2	7	6	0	21
Not Stated	15	2	38	0	114	169
Total	6,519	390	4,179	26	166	11,280

Male-Female Marriages by Number of Previous Marriages  
West Virginia, 2017

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	5,314	978	186	39	9	2	6,528
One Previous Marriage	1,041	1,373	521	118	24	1	3,078
Two Previous Marriages	226	490	322	104	35	2	1,179
Three Previous Marriages	44	131	102	49	16	1	343
Four or More Previous Marriages	20	55	45	12	15	0	147
Not Stated	0	1	1	0	1	2	5
Total	6,645	3,028	1,177	322	100	8	11,280

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Same-Sex Marriages by Previous Marital Status  
West Virginia, 2017  
Table 44

Partner 1	Partner 2					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	94	0	21	0	0	115
Widowed	0	0	1	0	0	1
Divorced	27	0	23	0	3	53
Annulled	0	0	1	0	0	1
Not Stated	1	0	1	0	12	14
Total	122	0	47	0	15	184

Same-Sex Marriages by Number of Previous Marriages  
West Virginia, 2017  
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	106	19	3	0	0	0	128
One Previous Marriage	19	15	4	2	0	1	41
Two Previous Marriages	10	3	1	0	0	0	14
Three Previous Marriages	1	0	0	0	0	0	1
Four or More Previous Marriages	0	0	0	0	0	0	0
Not Stated	0	0	0	0	0	0	0
Total	136	37	8	2	0	1	184

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

All Divorces and Annulments by Age of Petitioner and Respondent  
West Virginia, 2017  
Table 46

Age of Petitioner	Age of Respondent												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	16	5	0	0	0	1	1	0	0	0	29
20-24 Years	0	13	240	175	33	17	5	3	0	1	0	5	492
25-29 Years	0	6	89	420	268	94	18	19	5	2	0	8	929
30-34 Years	0	0	31	162	357	258	86	36	6	3	2	6	947
35-39 Years	0	0	13	59	176	401	253	88	34	7	3	13	1,047
40-44 Years	0	0	2	16	67	185	343	207	65	32	24	7	948
45-49 Years	0	1	2	10	19	66	132	288	172	52	15	17	774
50-54 Years	0	0	1	5	12	28	48	104	156	85	51	14	504
55-59 Years	0	0	0	1	3	6	18	34	70	111	78	3	324
60 Years & Over	0	0	0	2	5	7	11	28	49	64	254	10	430
Unknown	0	0	1	0	3	1	1	4	3	0	1	54	68
Total	0	26	395	855	943	1,063	915	812	561	357	428	137	6,492

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Male-Female Divorces and Annulments by Age of Husband and Wife  
West Virginia, 2017  
Table 47

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	22	7	0	0	0	2	1	0	0	0	38
20-24 Years	0	6	232	209	51	19	7	5	1	1	0	3	534
25-29 Years	0	4	52	413	319	125	29	19	9	2	1	7	980
30-34 Years	0	0	12	110	356	314	108	45	14	5	7	5	976
35-39 Years	0	0	10	24	118	398	317	114	54	12	9	5	1,061
40-44 Years	0	0	0	5	44	116	342	237	91	45	30	1	911
45-49 Years	0	0	0	9	8	40	101	287	197	65	30	13	750
50-54 Years	0	0	0	0	4	8	22	79	156	109	74	7	459
55-59 Years	0	0	0	1	1	1	5	21	46	111	101	1	288
60 Years & Over	0	0	0	1	0	1	5	13	26	41	254	1	342
Unknown	0	0	3	1	4	9	7	8	9	2	10	52	105
Total	0	16	331	780	905	1,031	943	830	604	393	516	95	6,444

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

All Divorces and Annulments by Duration of Marriage and Number of Children  
West Virginia, 2017

Table 48

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	253	32	19	2	1	0	0	0	307
1 to 4 Years	1,289	427	194	44	10	1	0	6	1,971
5 to 9 Years	788	342	314	111	17	2	2	4	1,580
10 to 14 Years	334	210	270	95	26	6	0	2	943
15 to 19 Years	235	163	183	63	19	7	3	3	676
20 to 24 Years	225	109	80	23	4	0	1	0	442
25 to 29 Years	200	45	15	1	0	1	0	2	264
30 to 34 Years	97	8	9	3	1	0	0	0	118
35 to 39 Years	77	2	0	0	0	0	0	0	79
40 to 44 Years	47	0	2	0	0	0	0	1	50
45 to 49 Years	22	0	0	0	0	0	0	0	22
50 to 54 Years	10	0	0	0	0	0	0	0	10
55 to 59 Years	5	0	0	0	0	0	0	0	5
60 Years & Over	3	0	0	0	0	0	0	0	3
Unknown	15	4	2	1	0	0	0	0	22
Total	3,600	1,342	1,088	343	78	17	6	18	6,492

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Male-Female Divorces and Annulments by Duration of Marriage and Number of Children  
West Virginia, 2017

Table 49

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	248	31	19	2	1	0	0	0	301
1 to 4 Years	1,258	426	194	44	10	1	0	5	1,938
5 to 9 Years	786	339	313	111	17	2	2	4	1,574
10 to 14 Years	334	210	270	95	26	6	0	2	943
15 to 19 Years	235	163	183	63	19	6	3	3	675
20 to 24 Years	225	109	80	23	4	0	1	0	442
25 to 29 Years	199	45	15	1	0	1	0	2	263
30 to 34 Years	97	7	9	3	1	0	0	0	117
35 to 39 Years	77	2	0	0	0	0	0	0	79
40 to 44 Years	47	0	2	0	0	0	0	1	50
45 to 49 Years	22	0	0	0	0	0	0	0	22
50 to 54 Years	10	0	0	0	0	0	0	0	10
55 to 59 Years	5	0	0	0	0	0	0	0	5
60 Years & Over	3	0	0	0	0	0	0	0	3
Unknown	15	4	2	1	0	0	0	0	22
Total	3,561	1,336	1,087	343	78	16	6	17	6,444

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022



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.

*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, 2017  
 Table 50

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate per 1,000 Population*			Number	Rate per 1,000 Population*	
Barbour	165	10.0	1	Monongalia	1,106	10.5	2,557
Berkeley	1,361	11.8	1,067	Monroe	118	8.8	2
Boone	245	11.0	0	Morgan	153	8.7	5
Braxton	136	9.6	4	Nicholas	262	10.5	51
Brooke	207	9.2	455	Ohio	408	9.7	1,573
Cabell	1,035	10.9	2,954	Pendleton	63	9.0	1
Calhoun	53	7.3	0	Pleasants	71	9.5	0
Clay	92	10.5	0	Pocahontas	75	8.9	2
Doddridge	67	7.8	2	Preston	321	9.5	4
Fayette	428	9.8	4	Putnam	521	9.2	23
Gilmer	53	6.6	3	Raleigh	758	10.1	1,001
Grant	133	11.4	254	Randolph	317	11.0	318
Greenbrier	367	10.4	471	Ritchie	85	8.7	0
Hampshire	215	9.2	6	Roane	126	9.0	0
Hancock	254	8.6	1	Summers	102	7.9	5
Hardy	158	11.5	1	Taylor	140	8.3	2
Harrison	712	10.5	1,088	Tucker	64	9.3	0
Jackson	289	10.0	3	Tyler	77	8.8	2
Jefferson	610	10.8	208	Upshur	233	9.5	283
Kanawha	1,921	10.5	3,784	Wayne	377	9.4	9
Lewis	153	9.4	173	Webster	72	8.6	3
Lincoln	222	10.7	1	Wetzel	151	9.8	1
Logan	367	11.1	170	Wirt	53	9.1	0
McDowell	187	10.1	18	Wood	919	10.8	1,314
Marion	620	11.0	134	Wyoming	193	9.1	0
Marshall	297	9.5	1				
Mason	278	10.4	136				
Mercer	706	11.8	1,155	Total	18,679	10.3	19,255
Mineral	262	9.6	3				
Mingo	321	13.3	2				

\*Rates are calculated per 1,000 population. 2017 population estimates are from the U.S. Bureau of the Census.

West Virginia Bureau for Public Health  
 Health Statistics Center, Vital Statistics System, 2022

Number of Births by County of Residence  
West Virginia, 2013-2017  
Table 51

County	2013	2014	2015	2016	2017	County	2013	2014	2015	2016	2017
Barbour	167	172	163	171	165	Monongalia	1,079	1,201	1,094	1,122	1,106
Berkeley	1,379	1,361	1,380	1,395	1,361	Monroe	121	126	130	131	118
Boone	278	239	233	241	245	Morgan	151	154	126	145	153
Braxton	153	156	176	115	136	Nicholas	285	260	274	268	262
Brooke	180	198	204	188	207	Ohio	460	448	470	419	408
Cabell	1,160	1,120	1,087	1,039	1,035	Pendleton	77	63	62	75	63
Calhoun	82	70	61	82	53	Pleasants	84	62	86	60	71
Clay	103	94	113	81	92	Pocahontas	97	74	83	91	75
Doddridge	64	66	86	68	67	Preston	361	355	322	337	321
Fayette	579	509	496	453	428	Putnam	633	640	601	555	521
Gilmer	73	65	59	68	53	Raleigh	919	884	824	832	758
Grant	122	116	134	113	133	Randolph	310	334	285	285	317
Greenbrier	368	333	376	343	367	Ritchie	96	103	101	100	85
Hampshire	232	236	245	190	215	Roane	149	160	132	130	126
Hancock	258	290	268	218	254	Summers	97	98	121	107	102
Hardy	139	148	149	170	158	Taylor	173	160	192	172	140
Harrison	824	796	800	737	712	Tucker	76	68	63	74	64
Jackson	337	321	338	308	289	Tyler	94	94	84	95	77
Jefferson	622	595	563	537	610	Upshur	275	276	248	293	233
Kanawha	2,239	2,165	2,058	1,959	1,921	Wayne	492	444	421	428	377
Lewis	211	200	208	187	153	Webster	98	94	78	88	72
Lincoln	282	269	239	242	222	Wetzel	174	178	179	169	151
Logan	433	379	353	358	367	Wirt	62	58	58	55	53
McDowell	272	224	212	221	187	Wood	1,039	1,018	986	944	919
Marion	696	630	622	659	620	Wyoming	217	234	212	197	193
Marshall	321	338	317	307	297						
Mason	281	280	282	241	278						
Mercer	737	706	734	662	706	Total	20,829	20,303	19,778	19,070	18,679
Mineral	302	294	272	276	262						
Mingo	316	347	318	269	321						

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Number and Percent of Low Birthweight (LBW) Births  
By County of Residence  
West Virginia, 2017  
Table 52

County	Number of Births	Low Birth-weight*	Percent LBW	County	Number of Births	Low Birth-weight*	Percent LBW
Barbour	165	3	1.8%	Monongalia	1,106	89	8.0%
Berkeley	1,361	123	9.0%	Monroe	118	11	9.3%
Boone	245	24	9.8%	Morgan	153	15	9.8%
Braxton	136	8	5.9%	Nicholas	262	33	12.6%
Brooke	207	22	10.6%	Ohio	408	38	9.3%
Cabell	1,035	115	11.1%	Pendleton	63	2	3.2%
Calhoun	53	3	5.7%	Pleasants	71	6	8.5%
Clay	92	11	12.0%	Pocahontas	75	6	8.0%
Doddridge	67	6	9.0%	Preston	321	34	10.6%
Fayette	428	34	7.9%	Putnam	521	50	9.6%
Gilmer	53	5	9.4%	Raleigh	758	80	10.6%
Grant	133	9	6.8%	Randolph	317	26	8.2%
Greenbrier	367	31	8.4%	Ritchie	85	3	3.5%
Hampshire	215	17	7.9%	Roane	126	12	9.5%
Hancock	254	23	9.1%	Summers	102	9	8.8%
Hardy	158	12	7.6%	Taylor	140	17	12.1%
Harrison	712	58	8.1%	Tucker	64	11	17.2%
Jackson	289	24	8.3%	Tyler	77	6	7.8%
Jefferson	610	43	7.0%	Upshur	233	21	9.0%
Kanawha	1,921	200	10.4%	Wayne	377	42	11.1%
Lewis	153	17	11.1%	Webster	72	5	6.9%
Lincoln	222	28	12.6%	Wetzel	151	11	7.3%
Logan	367	44	12.0%	Wirt	53	3	5.7%
McDowell	187	17	9.1%	Wood	919	91	9.9%
Marion	620	57	9.2%	Wyoming	193	25	13.0%
Marshall	297	30	10.1%				
Mason	278	30	10.8%				
Mercer	706	75	10.6%	Total	18,679	1,787	9.6%
Mineral	262	31	11.8%				
Mingo	321	41	12.8%				

\* < 2,500 grams

Note: Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2022

Age of Mother by County  
West Virginia Resident Births, 2017  
Table 53

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	6	18	48	47	27	12	5	2	0	165
Berkeley	1	13	54	334	463	327	133	29	7	0	1,361
Boone	0	8	24	87	71	36	15	4	0	0	245
Braxton	0	1	8	50	44	16	11	5	1	0	136
Brooke	0	5	13	59	68	42	18	2	0	0	207
Cabell	0	12	48	297	319	235	105	13	6	0	1,035
Calhoun	0	0	4	17	16	10	4	1	1	0	53
Clay	0	0	8	32	26	16	7	1	2	0	92
Doddridge	0	0	6	18	24	11	8	0	0	0	67
Fayette	0	6	37	139	136	78	23	7	2	0	428
Gilmer	0	1	2	15	19	11	3	2	0	0	53
Grant	0	5	9	42	45	17	12	2	1	0	133
Greenbrier	1	2	16	106	119	70	34	15	4	0	367
Hampshire	1	3	14	68	65	36	27	1	0	0	215
Hancock	0	2	15	62	78	73	18	5	1	0	254
Hardy	1	2	7	43	62	31	8	2	2	0	158
Harrison	1	11	34	223	208	150	72	9	4	0	712
Jackson	0	5	22	77	100	61	22	2	0	0	289
Jefferson	0	5	22	128	182	162	80	30	1	0	610
Kanawha	0	30	122	534	571	419	189	46	10	0	1,921
Lewis	1	2	10	61	39	28	10	2	0	0	153
Lincoln	0	5	22	83	67	34	10	1	0	0	222
Logan	0	8	34	157	88	54	22	3	1	0	367
McDowell	0	7	17	64	59	21	13	3	3	0	187
Marion	1	8	30	168	184	144	75	9	1	0	620
Marshall	0	4	13	82	98	78	19	3	0	0	297
Mason	0	2	21	101	88	45	19	2	0	0	278
Mercer	1	13	59	231	220	125	50	5	2	0	706
Mineral	0	6	14	72	89	50	24	5	2	0	262
Mingo	0	10	26	122	86	56	17	3	1	0	321
Monongalia	0	8	33	202	348	355	141	18	1	0	1,106
Monroe	0	2	8	31	42	22	9	4	0	0	118
Morgan	0	1	9	54	50	24	13	2	0	0	153
Nicholas	0	6	17	82	72	56	21	7	1	0	262
Ohio	2	7	22	76	120	125	45	9	2	0	408
Pendleton	0	2	4	21	19	9	7	1	0	0	63
Pleasants	0	2	3	27	21	9	8	1	0	0	71
Pocahontas	0	0	7	20	29	11	6	2	0	0	75
Preston	0	4	18	86	100	75	31	4	3	0	321
Putnam	0	4	11	112	170	138	74	9	3	0	521
Raleigh	0	16	46	222	236	164	57	11	6	0	758
Randolph	0	4	21	96	100	55	33	7	1	0	317
Ritchie	0	2	8	29	29	13	2	2	0	0	85
Roane	0	1	12	39	32	29	12	1	0	0	126
Summers	0	1	10	30	37	13	10	1	0	0	102
Taylor	0	1	8	41	40	30	16	4	0	0	140
Tucker	0	0	5	15	18	15	9	2	0	0	64
Tyler	0	4	5	18	37	11	1	1	0	0	77
Upshur	0	8	20	88	57	45	11	4	0	0	233
Wayne	0	6	24	121	119	67	34	6	0	0	377
Webster	0	2	6	24	19	14	7	0	0	0	72
Wetzel	0	3	15	56	46	19	9	2	1	0	151
Wirt	0	2	1	19	15	8	5	3	0	0	53
Wood	0	19	62	306	250	193	77	11	1	0	919
Wyoming	0	2	20	81	52	28	9	0	1	0	193
Total	10	289	1,124	5,416	5,739	3,991	1,707	329	74	0	18,679

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Mother's Marital Status and Method of Paternity Establishment for  
Unmarried Mothers by County  
West Virginia Occurrence Births, 2017

Table 54

County	Total Births	Mother's Marital Status		Mother Unmarried with Paternity Established		Mother Unmarried with Father Unknown
		Married*	Unmarried	Paternity Affidavit Accepted	Father Established by Other Methods	
Barbour	1	0	1	1	0	0
Berkeley	1,067	475	592	398	8	186
Boone	0	0	0	0	0	0
Braxton	4	3	1	1	0	0
Brooke	455	255	200	151	7	42
Cabell	2,954	1,673	1,281	922	45	314
Calhoun	0	0	0	0	0	0
Clay	0	0	0	0	0	0
Doddridge	2	2	0	0	0	0
Fayette	4	3	1	1	0	0
Gilmer	3	2	1	1	0	0
Grant	254	113	141	115	3	23
Greenbrier	471	236	235	177	4	54
Hampshire	6	3	3	1	0	2
Hancock	1	0	1	1	0	0
Hardy	1	0	1	1	0	0
Harrison	1,088	580	508	412	10	86
Jackson	3	3	0	0	0	0
Jefferson	208	111	97	75	1	21
Kanawha	3,784	2,035	1,749	1,301	44	404
Lewis	173	73	100	70	4	26
Lincoln	1	1	0	0	0	0
Logan	170	68	102	45	2	55
McDowell	18	7	11	5	1	5
Marion	134	68	66	53	1	12
Marshall	1	1	0	0	0	0
Mason	136	69	67	51	2	14
Mercer	1,155	613	542	357	17	168
Mineral	3	1	2	1	0	1
Mingo	2	0	2	1	0	1
Monongalia	2,557	1,691	866	619	16	231
Monroe	2	2	0	0	0	0
Morgan	5	3	2	2	0	0
Nicholas	51	27	24	17	0	7
Ohio	1,573	830	743	580	12	151
Pendleton	1	0	1	1	0	0
Pleasants	0	0	0	0	0	0
Pocahontas	2	2	0	0	0	0
Preston	4	2	2	0	0	2
Putnam	23	18	5	4	0	1
Raleigh	1,001	467	534	337	5	192
Randolph	318	141	177	137	7	33
Ritchie	0	0	0	0	0	0
Roane	0	0	0	0	0	0
Summers	5	4	1	1	0	0
Taylor	2	1	1	1	0	0
Tucker	0	0	0	0	0	0
Tyler	2	1	1	1	0	0
Upshur	283	146	137	104	3	30
Wayne	9	8	1	1	0	0
Webster	3	2	1	1	0	0
Wetzel	1	0	1	1	0	0
Wirt	0	0	0	0	0	0
Wood	1,314	678	636	448	12	176
Wyoming	0	0	0	0	0	0
<b>Total</b>	<b>19,255</b>	<b>10,418</b>	<b>8,837</b>	<b>6,396</b>	<b>204</b>	<b>2,237</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*Includes 12 births with unknown marital status

**Births by Month by County**  
**West Virginia Residents, 2017**  
**Table 55**

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	12	7	13	24	14	10	20	13	9	17	10	16	165
Berkeley	117	87	101	99	113	136	134	125	101	123	107	118	1,361
Boone	21	12	18	26	21	19	13	26	24	27	23	15	245
Braxton	12	16	10	7	13	10	11	14	9	8	19	7	136
Brooke	26	23	20	17	18	18	15	11	19	15	11	14	207
Cabell	76	75	106	83	93	78	92	98	100	61	84	89	1,035
Calhoun	4	4	4	3	7	3	2	7	7	4	2	6	53
Clay	10	5	5	7	4	10	8	12	6	7	9	9	92
Doddridge	4	4	3	5	8	6	5	7	6	3	7	9	67
Fayette	40	38	32	27	29	35	40	43	42	39	29	34	428
Gilmer	5	6	5	8	5	3	0	7	7	3	2	2	53
Grant	5	18	10	9	8	17	8	12	13	9	13	11	133
Greenbrier	25	29	31	23	31	34	33	28	38	32	31	32	367
Hampshire	18	11	21	16	14	15	11	21	18	23	26	21	215
Hancock	21	21	18	13	12	26	20	18	27	20	33	25	254
Hardy	12	17	13	13	11	14	17	11	17	14	8	11	158
Harrison	56	48	50	55	67	55	62	55	76	60	68	60	712
Jackson	16	26	21	19	31	27	25	27	20	29	28	20	289
Jefferson	56	45	54	38	56	68	45	48	57	56	37	50	610
Kanawha	154	159	168	114	166	167	186	218	175	132	139	143	1,921
Lewis	15	15	6	7	19	12	21	11	14	12	13	8	153
Lincoln	20	15	31	14	23	14	21	16	17	12	19	20	222
Logan	25	31	27	37	30	29	28	36	31	26	27	40	367
McDowell	17	18	19	14	11	17	12	13	17	18	15	16	187
Marion	55	51	42	46	59	56	53	48	57	62	51	40	620
Marshall	25	27	20	26	23	21	36	28	30	20	16	25	297
Mason	22	22	28	25	13	25	15	22	16	25	33	32	278
Mercer	57	61	75	54	54	60	59	70	64	48	42	62	706
Mineral	20	14	18	25	18	21	17	35	20	24	29	21	262
Mingo	32	30	25	32	16	20	33	21	30	29	24	29	321
Monongalia	81	88	93	83	101	86	87	116	98	88	89	96	1,106
Monroe	7	20	10	6	6	12	14	8	5	7	11	12	118
Morgan	17	11	15	4	14	10	9	12	17	9	20	15	153
Nicholas	20	23	16	22	21	24	26	30	26	22	18	14	262
Ohio	34	30	28	32	36	38	40	40	44	30	27	29	408
Pendleton	6	5	6	10	6	5	4	4	4	6	3	4	63
Pleasants	4	3	5	5	9	7	6	9	5	6	5	7	71
Pocahontas	10	4	7	4	9	4	6	9	6	4	5	7	75
Preston	25	28	24	36	26	31	24	24	24	22	32	25	321
Putnam	51	40	41	50	32	45	51	38	44	49	44	36	521
Raleigh	67	60	73	63	66	57	62	75	70	50	52	63	758
Randolph	23	22	24	20	34	33	22	31	25	25	35	23	317
Ritchie	7	7	8	10	7	3	6	10	5	8	8	6	85
Roane	8	11	11	5	5	13	9	15	14	14	10	11	126
Summers	4	9	5	10	7	6	13	14	5	6	15	8	102
Taylor	16	14	10	13	12	10	11	10	13	10	11	10	140
Tucker	11	8	6	3	6	7	5	5	2	2	8	1	64
Tyler	9	4	7	1	5	3	11	5	3	9	9	11	77
Upshur	20	19	17	19	23	18	24	15	17	20	21	20	233
Wayne	31	28	34	34	35	30	41	33	29	32	30	20	377
Webster	6	3	12	3	3	9	5	4	5	8	4	10	72
Wetzel	14	10	16	3	9	9	18	13	12	19	12	16	151
Wirt	3	7	6	3	6	4	7	5	3	4	3	2	53
Wood	66	73	68	59	94	71	92	98	85	72	71	70	919
Wyoming	14	27	16	11	15	21	19	16	12	16	15	11	193
<b>Total</b>	<b>1,532</b>	<b>1,489</b>	<b>1,552</b>	<b>1,395</b>	<b>1,574</b>	<b>1,582</b>	<b>1,654</b>	<b>1,740</b>	<b>1,640</b>	<b>1,496</b>	<b>1,513</b>	<b>1,512</b>	<b>18,679</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Place of Delivery, Gender of Child by Race and Marital Status of Mother by County  
West Virginia Resident Births, 2017

Table 56

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	162	3	85	74	0	0	4	1	85	165
Berkeley	1,346	15	600	591	53	47	32	37	602	1,361
Boone	245	0	116	127	0	0	1	1	127	245
Braxton	135	1	64	68	0	0	2	2	58	136
Brooke	205	2	99	98	1	0	2	7	103	207
Cabell	1,031	4	513	428	34	25	21	13	478	1,035
Calhoun	53	0	23	30	0	0	0	0	28	53
Clay	92	0	47	44	0	0	1	0	44	92
Doddridge	66	1	34	33	0	0	0	0	28	67
Fayette	424	4	212	193	4	7	8	4	227	428
Gilmer	51	2	23	30	0	0	0	0	24	53
Grant	132	1	64	67	1	1	0	0	65	133
Greenbrier	365	2	192	159	4	2	2	8	159	367
Hampshire	211	4	110	102	0	1	2	0	97	215
Hancock	253	1	118	115	5	6	6	4	129	254
Hardy	156	2	87	61	4	2	1	3	81	158
Harrison	710	2	335	347	10	4	11	5	313	712
Jackson	286	3	140	141	1	0	4	3	117	289
Jefferson	601	9	271	260	16	14	23	26	212	610
Kanawha	1,912	9	788	841	76	80	67	68	955	1,921
Lewis	153	0	85	65	1	0	0	2	84	153
Lincoln	221	1	121	97	1	0	2	1	119	222
Logan	367	0	182	172	2	6	2	3	164	367
McDowell	186	1	86	88	4	3	3	3	103	187
Marion	613	7	304	267	8	13	17	11	259	620
Marshall	296	1	137	149	1	1	2	7	135	297
Mason	272	6	151	120	0	1	2	4	125	278
Mercer	702	4	341	289	17	26	24	8	365	706
Mineral	261	1	113	135	4	3	3	4	124	262
Mingo	320	1	178	138	2	2	0	1	160	321
Monongalia	1,101	5	463	471	25	35	57	55	356	1,106
Monroe	116	2	63	53	0	0	2	0	38	118
Morgan	150	3	80	68	0	2	2	1	72	153
Nicholas	261	1	145	115	0	0	2	0	129	262
Ohio	404	4	190	179	12	7	13	6	195	408
Pendleton	62	1	31	29	0	1	1	1	28	63
Pleasants	71	0	31	39	0	0	1	0	36	71
Pocahontas	74	1	44	29	1	0	1	0	30	75
Preston	319	2	169	143	0	0	2	6	126	321
Putnam	518	3	255	242	4	3	7	10	174	521
Raleigh	757	1	348	340	26	21	3	19	360	758
Randolph	316	1	155	149	2	3	4	3	179	317
Ritchie	85	0	37	48	0	0	0	0	33	85
Roane	126	0	55	70	0	0	0	1	59	126
Summers	98	4	49	51	0	0	1	1	41	102
Taylor	138	2	66	69	1	0	4	0	63	140
Tucker	63	1	35	27	0	0	2	0	13	64
Tyler	76	1	40	37	0	0	0	0	36	77
Upshur	232	1	113	118	0	0	0	2	117	233
Wayne	368	9	213	162	0	0	1	1	147	377
Webster	72	0	38	34	0	0	0	0	26	72
Wetzel	151	0	75	73	0	0	2	1	86	151
Wirt	53	0	29	22	0	0	0	1	25	53
Wood	917	2	432	446	7	5	16	13	447	919
Wyoming	193	0	102	87	0	0	2	2	86	193
<b>Total</b>	<b>18,548</b>	<b>131</b>	<b>8,877</b>	<b>8,430</b>	<b>327</b>	<b>321</b>	<b>365</b>	<b>349</b>	<b>8,472</b>	<b>18,679</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*Includes hospitals, enroute 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, 2017  
Table 57

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown	Total
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	117	71.8%	33	20.2%	11	6.7%	2	1.2%	2	165
Berkeley	1,078	80.9%	197	14.8%	48	3.6%	9	0.7%	29	1,361
Boone	171	70.4%	44	18.1%	21	8.6%	7	2.9%	2	245
Braxton	93	68.9%	28	20.7%	12	8.9%	2	1.5%	1	136
Brooke	155	76.0%	34	16.7%	13	6.4%	2	1.0%	3	207
Cabell	885	86.2%	117	11.4%	17	1.7%	8	0.8%	8	1,035
Calhoun	41	77.4%	8	15.1%	1	1.9%	3	5.7%	0	53
Clay	64	69.6%	18	19.6%	7	7.6%	3	3.3%	0	92
Doddridge	53	80.3%	11	16.7%	1	1.5%	1	1.5%	1	67
Fayette	294	69.7%	95	22.5%	29	6.9%	4	0.9%	6	428
Gilmer	41	78.8%	8	15.4%	3	5.8%	0	0.0%	1	53
Grant	100	75.2%	27	20.3%	6	4.5%	0	0.0%	0	133
Greenbrier	290	80.3%	42	11.6%	24	6.6%	5	1.4%	6	367
Hampshire	146	70.5%	46	22.2%	11	5.3%	4	1.9%	8	215
Hancock	166	65.9%	69	27.4%	13	5.2%	4	1.6%	2	254
Hardy	112	71.3%	36	22.9%	7	4.5%	2	1.3%	1	158
Harrison	543	76.4%	115	16.2%	40	5.6%	13	1.8%	1	712
Jackson	229	79.5%	40	13.9%	14	4.9%	5	1.7%	1	289
Jefferson	481	81.1%	86	14.5%	22	3.7%	4	0.7%	17	610
Kanawha	1,495	78.5%	278	14.6%	89	4.7%	42	2.2%	17	1,921
Lewis	113	74.3%	27	17.8%	9	5.9%	3	2.0%	1	153
Lincoln	181	81.5%	29	13.1%	7	3.2%	5	2.3%	0	222
Logan	231	63.3%	78	21.4%	53	14.5%	3	0.8%	2	367
McDowell	119	66.5%	38	21.2%	17	9.5%	5	2.8%	8	187
Marion	454	74.1%	120	19.6%	31	5.1%	8	1.3%	7	620
Marshall	239	82.1%	36	12.4%	14	4.8%	2	0.7%	6	297
Mason	231	83.7%	35	12.7%	9	3.3%	1	0.4%	2	278
Mercer	502	72.5%	120	17.3%	59	8.5%	11	1.6%	14	706
Mineral	215	82.1%	34	13.0%	7	2.7%	6	2.3%	0	262
Mingo	230	73.5%	54	17.3%	26	8.3%	3	1.0%	8	321
Monongalia	921	83.5%	133	12.1%	33	3.0%	16	1.5%	3	1,106
Monroe	94	82.5%	10	8.8%	8	7.0%	2	1.8%	4	118
Morgan	106	73.1%	28	19.3%	9	6.2%	2	1.4%	8	153
Nicholas	165	63.0%	61	23.3%	28	10.7%	8	3.1%	0	262
Ohio	334	83.3%	55	13.7%	9	2.2%	3	0.7%	7	408
Pendleton	46	73.0%	12	19.0%	4	6.3%	1	1.6%	0	63
Pleasants	58	81.7%	9	12.7%	4	5.6%	0	0.0%	0	71
Pocahontas	54	72.0%	11	14.7%	9	12.0%	1	1.3%	0	75
Preston	266	83.1%	39	12.2%	11	3.4%	4	1.3%	1	321
Putnam	442	85.8%	44	8.5%	20	3.9%	9	1.7%	6	521
Raleigh	576	77.4%	122	16.4%	39	5.2%	7	0.9%	14	758
Randolph	213	68.7%	64	20.6%	18	5.8%	15	4.8%	7	317
Ritchie	66	79.5%	14	16.9%	3	3.6%	0	0.0%	2	85
Roane	90	73.2%	22	17.9%	9	7.3%	2	1.6%	3	126
Summers	66	64.7%	21	20.6%	14	13.7%	1	1.0%	0	102
Taylor	105	75.0%	26	18.6%	8	5.7%	1	0.7%	0	140
Tucker	48	78.7%	12	19.7%	1	1.6%	0	0.0%	3	64
Tyler	52	67.5%	21	27.3%	1	1.3%	3	3.9%	0	77
Upshur	158	71.8%	50	22.7%	10	4.5%	2	0.9%	13	233
Wayne	335	89.1%	33	8.8%	7	1.9%	1	0.3%	1	377
Webster	47	65.3%	17	23.6%	7	9.7%	1	1.4%	0	72
Wetzel	113	75.3%	23	15.3%	9	6.0%	5	3.3%	1	151
Wirt	47	88.7%	4	7.5%	2	3.8%	0	0.0%	0	53
Wood	761	83.2%	123	13.4%	20	2.2%	11	1.2%	4	919
Wyoming	126	66.0%	44	23.0%	18	9.4%	3	1.6%	2	193
<b>Total</b>	<b>14,358</b>	<b>77.8%</b>	<b>2,901</b>	<b>15.7%</b>	<b>922</b>	<b>5.0%</b>	<b>265</b>	<b>1.4%</b>	<b>233</b>	<b>18,679</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*Percentages calculated excluding unknown.



Number of Prenatal Visits by County  
West Virginia Resident Births, 2017  
Table 58

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	3	1.8%	15	9.1%	41	25.0%	90	54.9%	15	9.1%	1	165
Berkeley	9	0.7%	82	6.1%	379	28.1%	782	58.1%	95	7.1%	14	1,361
Boone	7	2.9%	40	16.5%	57	23.5%	118	48.6%	21	8.6%	2	245
Braxton	2	1.5%	14	10.4%	34	25.2%	68	50.4%	17	12.6%	1	136
Brooke	2	1.0%	13	6.4%	58	28.4%	120	58.8%	11	5.4%	3	207
Cabell	8	0.8%	41	4.0%	248	24.1%	530	51.4%	204	19.8%	4	1,035
Calhoun	3	5.7%	4	7.5%	17	32.1%	24	45.3%	5	9.4%	0	53
Clay	3	3.3%	14	15.2%	29	31.5%	34	37.0%	12	13.0%	0	92
Doddridge	1	1.5%	6	9.1%	15	22.7%	42	63.6%	2	3.0%	1	67
Fayette	4	1.0%	46	11.0%	117	27.9%	182	43.3%	71	16.9%	8	428
Gilmer	0	0.0%	3	5.8%	16	30.8%	28	53.8%	5	9.6%	1	53
Grant	0	0.0%	5	3.8%	28	21.1%	58	43.6%	42	31.6%	0	133
Greenbrier	5	1.5%	20	6.2%	83	25.5%	186	57.2%	31	9.5%	42	367
Hampshire	4	1.9%	28	13.3%	48	22.7%	118	55.9%	13	6.2%	4	215
Hancock	4	1.6%	14	5.6%	96	38.2%	127	50.6%	10	4.0%	3	254
Hardy	2	1.3%	12	7.6%	29	18.5%	84	53.5%	30	19.1%	1	158
Harrison	13	1.8%	53	7.5%	197	27.7%	390	54.9%	57	8.0%	2	712
Jackson	5	1.7%	20	6.9%	89	30.9%	134	46.5%	40	13.9%	1	289
Jefferson	4	0.7%	34	5.6%	175	29.0%	352	58.4%	38	6.3%	7	610
Kanawha	44	2.3%	176	9.2%	593	31.1%	780	41.0%	311	16.3%	17	1,921
Lewis	4	2.6%	16	10.6%	27	17.9%	79	52.3%	25	16.6%	2	153
Lincoln	5	2.3%	17	7.7%	50	22.5%	102	45.9%	48	21.6%	0	222
Logan	5	1.4%	54	14.8%	130	35.7%	145	39.8%	30	8.2%	3	367
McDowell	5	2.7%	19	10.4%	61	33.3%	77	42.1%	21	11.5%	4	187
Marion	9	1.5%	47	7.7%	193	31.4%	282	45.9%	83	13.5%	6	620
Marshall	2	0.7%	17	5.8%	60	20.6%	199	68.4%	13	4.5%	6	297
Mason	1	0.4%	21	7.6%	59	21.4%	134	48.6%	61	22.1%	2	278
Mercer	11	1.6%	60	8.5%	215	30.5%	328	46.6%	90	12.8%	2	706
Mineral	6	2.3%	30	11.5%	101	38.5%	112	42.7%	13	5.0%	0	262
Mingo	4	1.3%	33	10.5%	97	30.8%	147	46.7%	34	10.8%	6	321
Monongalia	16	1.4%	70	6.3%	275	24.9%	548	49.6%	196	17.7%	1	1,106
Monroe	2	1.8%	11	9.8%	42	37.5%	48	42.9%	9	8.0%	6	118
Morgan	2	1.4%	16	10.9%	46	31.3%	77	52.4%	6	4.1%	6	153
Nicholas	8	3.1%	37	14.2%	93	35.8%	102	39.2%	20	7.7%	2	262
Ohio	3	0.7%	14	3.5%	84	20.9%	279	69.4%	22	5.5%	6	408
Pendleton	1	1.6%	3	4.8%	11	17.5%	33	52.4%	15	23.8%	0	63
Pleasants	0	0.0%	1	1.4%	20	28.2%	38	53.5%	12	16.9%	0	71
Pocahontas	1	1.4%	10	14.1%	17	23.9%	40	56.3%	3	4.2%	4	75
Preston	4	1.3%	25	7.8%	90	28.1%	147	45.9%	54	16.9%	1	321
Putnam	9	1.7%	29	5.6%	128	24.8%	259	50.2%	91	17.6%	5	521
Raleigh	7	0.9%	42	5.6%	209	28.1%	342	45.9%	145	19.5%	13	758
Randolph	17	5.5%	30	9.7%	67	21.7%	167	54.0%	28	9.1%	8	317
Ritchie	0	0.0%	5	6.0%	13	15.5%	56	66.7%	10	11.9%	1	85
Roane	2	1.6%	13	10.6%	46	37.4%	56	45.5%	6	4.9%	3	126
Summers	1	1.0%	13	13.0%	29	29.0%	45	45.0%	12	12.0%	2	102
Taylor	1	0.7%	5	3.6%	44	31.4%	73	52.1%	17	12.1%	0	140
Tucker	0	0.0%	8	13.3%	10	16.7%	36	60.0%	6	10.0%	4	64
Tyler	3	3.9%	4	5.2%	24	31.2%	37	48.1%	9	11.7%	0	77
Upshur	2	0.9%	17	7.7%	59	26.8%	115	52.3%	27	12.3%	13	233
Wayne	1	0.3%	8	2.1%	94	24.9%	194	51.5%	80	21.2%	0	377
Webster	1	1.4%	9	12.5%	26	36.1%	33	45.8%	3	4.2%	0	72
Wetzel	5	3.3%	13	8.6%	35	23.2%	88	58.3%	10	6.6%	0	151
Wirt	0	0.0%	1	1.9%	12	22.6%	33	62.3%	7	13.2%	0	53
Wood	11	1.2%	22	2.4%	217	23.7%	533	58.3%	132	14.4%	4	919
Wyoming	3	1.6%	22	11.5%	54	28.3%	86	45.0%	26	13.6%	2	193
<b>Total</b>	<b>275</b>	<b>1.5%</b>	<b>1,382</b>	<b>7.5%</b>	<b>5,087</b>	<b>27.6%</b>	<b>9,317</b>	<b>50.5%</b>	<b>2,394</b>	<b>13.0%</b>	<b>224</b>	<b>18,679</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017

Table 59

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	26.1	46.1	10.9	19.4	13.3	27.3	0.6	12.7
Berkeley	18.8	41.1	8.7	17.5	13.7	31.9	0.6	16.6
Boone	34.6	51.4	16.3	20.0	17.6	29.4	2.0	17.1
Braxton	33.8	48.9	9.6	22.8	14.0	30.9	0.7	11.0
Brooke	29.6	38.2	5.8	29.5	15.9	47.3	1.0	17.9
Cabell	25.3	47.2	9.9	20.1	15.0	37.8	0.3	17.9
Calhoun	35.8	28.3	11.3	22.6	15.1	34.0	1.9	9.4
Clay	43.5	48.9	14.1	17.4	21.7	26.1	2.2	15.2
Doddridge	29.9	44.8	4.5	19.4	22.4	23.9	4.5	13.4
Fayette	29.7	51.9	11.7	16.4	14.7	42.5	5.8	13.6
Gilmer	28.3	24.5	3.8	17.0	13.2	37.7	5.7	7.5
Grant	25.6	45.9	2.3	24.1	24.1	24.8	0.0	5.3
Greenbrier	27.5	28.6	7.4	18.3	6.8	17.4	2.2	12.8
Hampshire	21.0	30.2	0.5	12.6	10.2	15.3	1.4	7.9
Hancock	24.8	35.0	3.5	20.1	17.7	53.1	0.0	9.8
Hardy	26.8	36.1	3.2	19.6	17.7	20.9	0.0	5.1
Harrison	24.2	39.0	6.9	17.8	13.6	23.0	1.0	16.2
Jackson	22.5	42.6	8.7	18.3	18.7	26.0	2.1	14.2
Jefferson	13.6	43.6	6.4	18.9	14.9	40.3	0.2	15.6
Kanawha	21.7	52.7	14.4	22.5	20.8	33.0	1.1	14.5
Lewis	28.8	51.0	9.2	21.6	12.4	34.6	1.4	13.7
Lincoln	31.5	50.9	12.2	19.8	20.7	34.7	0.9	16.7
Logan	31.5	43.3	6.3	28.6	14.4	25.6	2.2	12.0
McDowell	33.2	28.9	5.9	16.0	13.4	32.1	0.0	13.9
Marion	24.5	42.4	10.5	15.6	12.1	27.3	1.8	17.6
Marshall	26.7	30.6	7.4	25.6	14.5	43.4	1.0	22.6
Mason	23.4	46.0	6.5	20.5	14.7	52.2	2.9	18.7
Mercer	28.9	32.9	4.0	20.8	11.9	42.5	1.6	14.0
Mineral	19.8	39.7	2.7	15.6	16.8	29.0	0.4	11.8
Mingo	37.7	41.7	3.1	26.2	21.8	30.8	1.6	11.5
Monongalia	14.3	38.8	5.3	20.1	11.4	42.2	1.7	15.7
Monroe	24.6	35.6	5.1	21.2	13.6	29.7	0.8	13.6
Morgan	21.2	36.6	6.5	12.4	13.1	22.9	0.7	13.1
Nicholas	36.3	53.4	9.5	17.6	18.3	37.4	5.0	13.0
Ohio	20.8	26.7	5.4	30.1	11.8	43.6	1.2	20.1
Pendleton	19.0	27.0	0.0	15.9	11.1	20.6	0.0	4.8
Pleasants	19.7	40.8	1.4	9.9	23.9	28.2	0.0	9.9
Pocahontas	27.0	33.3	6.7	18.7	18.7	20.0	2.7	16.0
Preston	28.0	45.2	7.8	17.4	11.2	37.4	0.6	16.8
Putnam	17.7	50.7	8.1	20.7	20.2	36.1	1.0	15.0
Raleigh	30.3	54.0	7.8	15.7	12.5	47.6	6.6	14.0
Randolph	35.0	46.7	18.0	16.7	10.7	37.5	3.3	20.2
Ritchie	15.3	28.2	4.7	15.3	16.5	27.1	0.0	10.6
Roane	31.7	38.1	7.1	21.4	15.1	26.2	0.0	9.5
Summers	29.4	43.1	2.9	17.6	10.8	35.3	2.0	11.8
Taylor	23.6	45.0	6.4	13.6	18.6	29.3	2.1	19.3
Tucker	22.2	48.4	3.1	21.9	15.6	35.9	3.3	17.2
Tyler	24.7	36.4	7.8	24.7	13.0	24.7	0.0	14.5
Upshur	31.0	42.1	9.0	17.6	8.6	26.6	0.4	15.9
Wayne	30.0	44.8	7.2	19.4	14.3	35.3	0.5	17.0
Webster	33.3	45.8	8.3	18.1	16.7	36.1	2.8	9.7
Wetzel	26.7	31.8	7.9	23.8	11.9	39.7	0.7	23.8
Wirt	30.2	45.3	15.1	18.9	26.4	15.1	0.0	11.3
Wood	22.5	36.5	8.4	26.6	17.1	24.3	0.7	13.7
Wyoming	33.2	40.9	4.7	20.7	15.0	47.2	3.6	17.1
Total	24.7	42.7	8.3	20.1	15.1	34.2	1.5	15.1

West Virginia Bureau for Public Health

\*Percentages calculated excluding unknown.

Health Statistics Center, Vital Statistics System, 2022

Number of Deaths by Race, Gender and County of Residence  
West Virginia, 2017

Table 60

County	White or Caucasian		Black or African American		All Other Races		Total
	Male	Female	Male	Female	Male	Female	
Barbour	86	94	1	0	0	1	182
Berkeley	538	441	42	23	2	3	1,051
Boone	175	160	2	0	1	0	338
Braxton	90	86	1	0	0	1	178
Brooke	130	159	2	0	0	0	291
Cabell	672	621	38	18	2	4	1,359
Calhoun	53	45	0	0	0	0	98
Clay	66	52	0	0	0	0	118
Doddridge	44	39	0	0	0	0	83
Fayette	319	295	21	14	0	1	650
Gilmer	42	36	1	0	1	1	81
Grant	61	58	1	0	0	0	120
Greenbrier	259	223	6	12	0	0	500
Hampshire	151	136	1	0	1	0	289
Hancock	214	239	7	4	2	0	466
Hardy	72	61	0	3	0	1	137
Harrison	428	439	4	6	3	1	881
Jackson	202	188	1	0	0	1	393
Jefferson	270	223	26	15	3	2	540
Kanawha	1,188	1,239	71	88	4	6	2,598
Lewis	128	119	0	0	0	0	247
Lincoln	154	123	0	0	0	0	277
Logan	286	270	9	5	1	0	572
McDowell	137	129	13	15	0	0	294
Marion	328	353	10	12	0	1	705
Marshall	206	203	0	1	1	0	411
Mason	182	161	0	1	1	1	346
Mercer	471	437	21	18	1	2	950
Mineral	157	163	5	6	0	0	332
Mingo	200	156	6	9	0	0	371
Monongalia	357	348	8	5	4	1	723
Monroe	89	79	1	0	0	0	169
Morgan	132	104	0	1	0	1	238
Nicholas	162	195	0	0	1	0	358
Ohio	271	266	9	9	1	0	557
Pendleton	53	42	0	0	1	0	96
Pleasants	55	44	1	1	0	0	101
Pocahontas	58	44	0	0	0	1	103
Preston	195	193	5	1	0	1	395
Putnam	324	302	1	1	1	1	631
Raleigh	496	460	39	29	3	1	1,029
Randolph	162	191	0	1	0	1	355
Ritchie	77	56	0	0	0	0	133
Roane	114	93	0	0	0	1	208
Summers	116	111	2	2	0	0	232
Taylor	104	86	1	0	0	0	191
Tucker	43	33	0	0	0	0	76
Tyler	50	55	0	0	0	0	105
Upshur	143	149	1	0	0	0	293
Wayne	294	259	1	0	0	0	554
Webster	69	59	0	1	0	0	129
Wetzel	135	116	0	0	0	0	251
Wirt	45	22	0	0	0	0	67
Wood	560	524	5	4	0	1	1,094
Wyoming	178	162	3	1	0	0	344
<b>Total</b>	<b>11,591</b>	<b>10,941</b>	<b>366</b>	<b>306</b>	<b>34</b>	<b>35</b>	<b>23,290</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Note: Does NOT include 17 deaths with an unknown race.

Number of Deaths by County of Residence and Occurrence  
West Virginia, 2017  
Table 61

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	182	127	Monongalia	723	1,732
Berkeley	1,051	919	Monroe	169	75
Boone	338	202	Morgan	238	159
Braxton	178	130	Nicholas	358	193
Brooke	291	328	Ohio	557	1,062
Cabell	1,359	2,327	Pendleton	96	64
Calhoun	98	53	Pleasants	101	72
Clay	118	61	Pocahontas	103	62
Doddridge	83	44	Preston	395	250
Fayette	650	368	Putnam	631	428
Gilmer	81	74	Raleigh	1,029	1,345
Grant	120	134	Randolph	355	345
Greenbrier	500	469	Ritchie	133	73
Hampshire	289	182	Roane	208	130
Hancock	466	191	Summers	232	130
Hardy	137	68	Taylor	191	140
Harrison	881	1,041	Tucker	76	57
Jackson	393	257	Tyler	105	73
Jefferson	540	538	Upshur	293	202
Kanawha	2,598	3,436	Wayne	554	273
Lewis	247	179	Webster	129	80
Lincoln	277	119	Wetzel	251	173
Logan	572	493	Wirt	67	25
McDowell	294	197	Wood	1,094	1,092
Marion	705	512	Wyoming	344	138
Marshall	411	223			
Mason	346	230			
Mercer	950	910	Total	23,290	22,576
Mineral	332	211			
Mingo	371	180			

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Resident deaths include 2,380 West Virginians dying out of state.

Method of Disposition by County of Residence  
West Virginia Deaths, 2017  
Table 62

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	122	67.0%	50	27.5%	5	2.7%	5	2.7%	0	0.0%	0	182
Berkeley	430	40.9%	504	48.0%	21	2.0%	90	8.6%	6	0.6%	0	1,051
Boone	226	66.9%	96	28.4%	5	1.5%	7	2.1%	4	1.2%	0	338
Braxton	109	61.2%	65	36.5%	2	1.1%	2	1.1%	0	0.0%	0	178
Brooke	124	42.6%	89	30.6%	4	1.4%	69	23.7%	5	1.7%	0	291
Cabell	750	55.2%	502	36.9%	17	1.3%	49	3.6%	41	3.0%	0	1,359
Calhoun	68	69.4%	23	23.5%	5	5.1%	2	2.0%	0	0.0%	0	98
Clay	71	60.2%	44	37.3%	1	0.8%	1	0.8%	1	0.8%	0	118
Doddridge	48	57.8%	32	38.6%	1	1.2%	2	2.4%	0	0.0%	0	83
Fayette	369	56.8%	202	31.1%	21	3.2%	13	2.0%	45	6.9%	0	650
Gilmer	48	59.3%	30	37.0%	1	1.2%	2	2.5%	0	0.0%	0	81
Grant	75	62.5%	31	25.8%	4	3.3%	10	8.3%	0	0.0%	0	120
Greenbrier	285	57.0%	146	29.2%	8	1.6%	44	8.8%	17	3.4%	0	500
Hampshire	92	31.8%	125	43.3%	5	1.7%	66	22.8%	1	0.3%	0	289
Hancock	152	32.6%	139	29.8%	2	0.4%	149	32.0%	24	5.2%	0	466
Hardy	57	41.6%	48	35.0%	2	1.5%	30	21.9%	0	0.0%	0	137
Harrison	506	57.4%	322	36.5%	23	2.6%	13	1.5%	17	1.9%	0	881
Jackson	253	64.4%	104	26.5%	5	1.3%	20	5.1%	11	2.8%	0	393
Jefferson	172	31.9%	282	52.2%	13	2.4%	73	13.5%	0	0.0%	0	540
Kanawha	1,275	49.1%	1,078	41.5%	72	2.8%	37	1.4%	136	5.2%	0	2,598
Lewis	147	59.5%	89	36.0%	6	2.4%	4	1.6%	1	0.4%	0	247
Lincoln	205	74.0%	63	22.7%	1	0.4%	6	2.2%	2	0.7%	0	277
Logan	375	65.6%	174	30.4%	1	0.2%	5	0.9%	17	3.0%	0	572
McDowell	197	67.0%	65	22.1%	0	0.0%	24	8.2%	8	2.7%	0	294
Marion	395	56.0%	260	36.9%	15	2.1%	15	2.1%	20	2.8%	0	705
Marshall	192	46.7%	176	42.8%	10	2.4%	22	5.4%	11	2.7%	0	411
Mason	209	60.4%	85	24.6%	4	1.2%	46	13.3%	2	0.6%	0	346
Mercer	507	53.4%	319	33.6%	4	0.4%	73	7.7%	47	4.9%	0	950
Mineral	184	55.4%	120	36.1%	12	3.6%	12	3.6%	4	1.2%	0	332
Mingo	276	74.4%	84	22.6%	0	0.0%	7	1.9%	4	1.1%	0	371
Monongalia	380	52.6%	290	40.1%	13	1.8%	27	3.7%	13	1.8%	0	723
Monroe	84	49.7%	37	21.9%	5	3.0%	42	24.9%	1	0.6%	0	169
Morgan	77	32.4%	111	46.6%	3	1.3%	47	19.7%	0	0.0%	0	238
Nicholas	221	61.7%	114	31.8%	7	2.0%	9	2.5%	7	2.0%	0	358
Ohio	229	41.1%	259	46.5%	9	1.6%	40	7.2%	20	3.6%	0	557
Pendleton	55	57.3%	26	27.1%	0	0.0%	12	12.5%	3	3.1%	0	96
Pleasants	48	47.5%	34	33.7%	0	0.0%	19	18.8%	0	0.0%	0	101
Pocahontas	54	52.4%	43	41.7%	0	0.0%	6	5.8%	0	0.0%	0	103
Preston	231	58.5%	150	38.0%	3	0.8%	9	2.3%	2	0.5%	0	395
Putnam	345	54.7%	220	34.9%	15	2.4%	15	2.4%	36	5.7%	0	631
Raleigh	614	59.7%	337	32.8%	5	0.5%	21	2.0%	52	5.1%	0	1,029
Randolph	203	57.2%	132	37.2%	10	2.8%	3	0.8%	7	2.0%	0	355
Ritchie	79	59.4%	35	26.3%	3	2.3%	15	11.3%	1	0.8%	0	133
Roane	121	58.2%	77	37.0%	3	1.4%	6	2.9%	1	0.5%	0	208
Summers	153	65.9%	61	26.3%	9	3.9%	6	2.6%	3	1.3%	0	232
Taylor	117	61.3%	68	35.6%	3	1.6%	2	1.0%	1	0.5%	0	191
Tucker	39	51.3%	33	43.4%	2	2.6%	2	2.6%	0	0.0%	0	76
Tyler	69	65.7%	29	27.6%	3	2.9%	4	3.8%	0	0.0%	0	105
Upshur	155	52.9%	113	38.6%	12	4.1%	12	4.1%	1	0.3%	0	293
Wayne	406	73.3%	115	20.8%	9	1.6%	11	2.0%	13	2.3%	0	554
Webster	91	70.5%	36	27.9%	0	0.0%	2	1.6%	0	0.0%	0	129
Wetzel	155	61.8%	83	33.1%	4	1.6%	8	3.2%	1	0.4%	0	251
Wirt	30	44.8%	25	37.3%	3	4.5%	6	9.0%	3	4.5%	0	67
Wood	517	47.3%	357	32.6%	25	2.3%	135	12.3%	60	5.5%	0	1,094
Wyoming	246	71.5%	79	23.0%	3	0.9%	8	2.3%	8	2.3%	0	344
Total	12,638	54.3%	8,211	35.3%	419	1.8%	1,365	5.9%	657	2.8%	0	23,290

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*Percentage calculated excluding unknown disposition.

Method of Disposition by County of Occurrence  
West Virginia Deaths, 2017  
Table 62 (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	90	70.9%	32	25.2%	4	3.1%	0	0.0%	1	0.8%	0	127
Berkeley	418	45.5%	463	50.4%	15	1.6%	19	2.1%	4	0.4%	0	919
Boone	147	72.8%	51	25.2%	2	1.0%	0	0.0%	2	1.0%	0	202
Braxton	72	55.4%	54	41.5%	3	2.3%	1	0.8%	0	0.0%	0	130
Brooke	173	52.7%	136	41.5%	3	0.9%	5	1.5%	11	3.4%	0	328
Cabell	1,434	61.7%	762	32.8%	26	1.1%	38	1.6%	66	2.8%	1	2,327
Calhoun	36	67.9%	15	28.3%	2	3.8%	0	0.0%	0	0.0%	0	53
Clay	42	68.9%	18	29.5%	0	0.0%	0	0.0%	1	1.6%	0	61
Doddridge	22	50.0%	19	43.2%	1	2.3%	2	4.5%	0	0.0%	0	44
Fayette	227	61.7%	112	30.4%	4	1.1%	1	0.3%	24	6.5%	0	368
Gilmer	47	63.5%	26	35.1%	1	1.4%	0	0.0%	0	0.0%	0	74
Grant	96	71.6%	34	25.4%	4	3.0%	0	0.0%	0	0.0%	0	134
Greenbrier	299	63.8%	141	30.1%	12	2.6%	1	0.2%	16	3.4%	0	469
Hampshire	83	45.6%	95	52.2%	3	1.6%	1	0.5%	0	0.0%	0	182
Hancock	92	48.2%	80	41.9%	5	2.6%	2	1.0%	12	6.3%	0	191
Hardy	35	51.5%	31	45.6%	1	1.5%	1	1.5%	0	0.0%	0	68
Harrison	599	57.5%	388	37.3%	32	3.1%	6	0.6%	16	1.5%	0	1,041
Jackson	177	68.9%	72	28.0%	2	0.8%	2	0.8%	4	1.6%	0	257
Jefferson	212	39.4%	300	55.8%	14	2.6%	11	2.0%	1	0.2%	0	538
Kanawha	1,804	52.5%	1,382	40.2%	87	2.5%	9	0.3%	153	4.5%	1	3,436
Lewis	114	63.7%	60	33.5%	3	1.7%	0	0.0%	2	1.1%	0	179
Lincoln	93	78.2%	23	19.3%	0	0.0%	0	0.0%	3	2.5%	0	119
Logan	337	68.4%	136	27.6%	2	0.4%	2	0.4%	16	3.2%	0	493
McDowell	135	68.5%	55	27.9%	0	0.0%	1	0.5%	6	3.0%	0	197
Marion	299	58.4%	178	34.8%	13	2.5%	3	0.6%	19	3.7%	0	512
Marshall	111	49.8%	98	43.9%	5	2.2%	2	0.9%	7	3.1%	0	223
Mason	160	69.6%	65	28.3%	3	1.3%	1	0.4%	1	0.4%	0	230
Mercer	551	60.5%	302	33.2%	3	0.3%	8	0.9%	46	5.1%	0	910
Mineral	118	55.9%	78	37.0%	11	5.2%	1	0.5%	3	1.4%	0	211
Mingo	128	71.1%	50	27.8%	0	0.0%	2	1.1%	0	0.0%	0	180
Monongalia	951	54.9%	726	41.9%	24	1.4%	13	0.8%	18	1.0%	0	1,732
Monroe	49	65.3%	24	32.0%	1	1.3%	0	0.0%	1	1.3%	0	75
Morgan	64	40.3%	87	54.7%	4	2.5%	4	2.5%	0	0.0%	0	159
Nicholas	121	62.7%	64	33.2%	4	2.1%	0	0.0%	4	2.1%	0	193
Ohio	525	49.4%	476	44.8%	16	1.5%	15	1.4%	30	2.8%	0	1,062
Pendleton	44	68.8%	18	28.1%	0	0.0%	0	0.0%	2	3.1%	0	64
Pleasants	44	61.1%	27	37.5%	0	0.0%	1	1.4%	0	0.0%	0	72
Pocahontas	32	51.6%	28	45.2%	0	0.0%	2	3.2%	0	0.0%	0	62
Preston	154	61.6%	88	35.2%	3	1.2%	3	1.2%	2	0.8%	0	250
Putnam	242	56.5%	146	34.1%	13	3.0%	4	0.9%	23	5.4%	0	428
Raleigh	820	61.0%	425	31.6%	24	1.8%	2	0.1%	74	5.5%	0	1,345
Randolph	213	61.7%	117	33.9%	10	2.9%	0	0.0%	5	1.4%	0	345
Ritchie	45	61.6%	26	35.6%	2	2.7%	0	0.0%	0	0.0%	0	73
Roane	79	60.8%	47	36.2%	3	2.3%	0	0.0%	1	0.8%	0	130
Summers	92	70.8%	33	25.4%	4	3.1%	0	0.0%	1	0.8%	0	130
Taylor	86	61.4%	50	35.7%	3	2.1%	0	0.0%	1	0.7%	0	140
Tucker	30	52.6%	24	42.1%	3	5.3%	0	0.0%	0	0.0%	0	57
Tyler	48	65.8%	23	31.5%	2	2.7%	0	0.0%	0	0.0%	0	73
Upshur	111	55.0%	83	41.1%	7	3.5%	0	0.0%	1	0.5%	0	202
Wayne	191	70.2%	72	26.5%	5	1.8%	2	0.7%	2	0.7%	1	273
Webster	61	76.3%	19	23.8%	0	0.0%	0	0.0%	0	0.0%	0	80
Wetzel	105	60.7%	66	38.2%	1	0.6%	0	0.0%	1	0.6%	0	173
Wirt	12	48.0%	10	40.0%	1	4.0%	0	0.0%	2	8.0%	0	25
Wood	608	55.7%	388	35.5%	27	2.5%	7	0.6%	62	5.7%	0	1,092
Wyoming	103	74.6%	29	21.0%	1	0.7%	0	0.0%	5	3.6%	0	138
Total	12,981	57.5%	8,352	37.0%	419	1.9%	172	0.8%	649	2.9%	3	22,576

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*Percentage calculated excluding unknown disposition.

Number of Deaths by County of Residence  
West Virginia, 2013-2017  
Table 63

County	2013	2014	2015	2016	2017	County	2013	2014	2015	2016	2017
Barbour	197	203	198	192	182	Monongalia	663	656	709	729	723
Berkeley	918	992	984	1,050	1,051	Monroe	182	183	177	160	169
Boone	311	352	342	299	338	Morgan	226	205	206	242	238
Braxton	174	186	177	179	178	Nicholas	327	311	322	336	358
Brooke	284	342	342	391	291	Ohio	560	580	577	576	557
Cabell	1,234	1,280	1,228	1,267	1,359	Pendleton	95	87	93	95	96
Calhoun	93	85	95	79	98	Pleasants	72	95	90	94	101
Clay	113	112	109	123	118	Pocahontas	116	106	107	95	103
Doddridge	78	90	86	85	83	Preston	365	351	381	367	395
Fayette	648	672	649	660	650	Putnam	548	578	568	625	631
Gilmer	82	67	84	90	81	Raleigh	964	968	1,088	1,049	1,029
Grant	131	135	136	133	120	Randolph	389	345	374	366	355
Greenbrier	443	457	496	478	500	Ritchie	100	132	126	108	133
Hampshire	271	238	279	254	289	Roane	199	196	191	216	208
Hancock	382	425	394	403	466	Summers	207	190	207	185	232
Hardy	128	158	169	170	137	Taylor	196	174	214	203	191
Harrison	859	843	848	851	881	Tucker	99	76	85	95	76
Jackson	328	341	364	348	393	Tyler	110	117	114	123	105
Jefferson	395	477	444	488	540	Upshur	247	275	256	308	293
Kanawha	2,489	2,433	2,523	2,520	2,598	Wayne	482	521	524	506	554
Lewis	210	229	241	233	247	Webster	131	114	133	117	129
Lincoln	258	260	259	276	277	Wetzel	221	218	210	196	251
Logan	541	515	572	539	572	Wirt	57	72	66	56	67
McDowell	369	305	348	337	294	Wood	1,045	1,097	1,068	1,108	1,094
Marion	628	648	714	708	705	Wyoming	310	321	343	313	344
Marshall	414	411	403	432	411						
Mason	337	359	366	343	346						
Mercer	914	900	887	846	950	Total	21,846	22,164	22,643	22,721	23,290
Mineral	338	279	344	339	332						
Mingo	368	402	333	340	371						

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Age at Death by County of Residence  
West Virginia, 2017  
Table 64

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	182	1	0	0	0	3	0	2	8	15	31	29	51	42	70.9
Berkeley	1,051	9	4	3	0	3	16	41	50	86	150	232	247	210	68.2
Boone	338	6	0	0	0	0	2	6	11	25	61	90	77	60	68.9
Braxton	178	0	0	0	0	0	2	2	7	8	26	43	45	45	73.6
Brooke	291	3	0	0	0	1	0	7	4	20	35	53	76	92	74.0
Cabell	1,359	7	1	1	0	3	12	62	76	123	209	239	275	351	69.3
Calhoun	98	3	0	0	0	2	1	0	2	4	12	22	22	30	72.2
Clay	118	1	0	0	0	0	0	2	7	10	13	22	31	32	72.1
Doddridge	83	0	0	0	0	1	0	2	3	4	9	20	24	20	73.3
Fayette	650	1	0	0	1	1	1	13	26	59	99	139	149	161	71.5
Gilmer	81	0	0	0	0	0	0	2	4	4	13	8	24	26	74.5
Grant	120	0	0	0	0	0	1	1	0	4	14	31	37	32	75.9
Greenbrier	500	1	0	1	0	1	4	5	10	31	74	108	117	148	73.7
Hampshire	289	0	0	0	0	3	2	9	6	22	36	67	76	68	71.6
Hancock	466	1	0	0	0	1	4	7	15	22	60	95	113	148	74.4
Hardy	137	3	0	0	0	1	1	1	3	11	21	28	35	33	70.7
Harrison	881	6	0	0	1	4	3	16	33	57	124	186	217	234	72.3
Jackson	393	1	0	0	0	1	3	6	12	17	53	62	129	109	74.3
Jefferson	540	2	1	1	0	2	1	7	23	31	84	140	130	118	71.4
Kanawha	2,598	17	1	4	1	5	25	63	98	163	393	495	594	739	71.9
Lewis	247	7	0	1	0	1	1	6	7	15	33	53	65	58	70.1
Lincoln	277	2	2	0	0	0	2	9	11	26	49	60	64	52	68.5
Logan	572	3	2	1	1	1	0	8	29	48	97	161	128	93	68.7
McDowell	294	3	0	0	0	0	3	4	17	25	58	70	82	32	67.7
Marion	705	5	0	0	0	2	4	10	21	39	84	141	161	238	74.6
Marshall	411	1	0	0	0	1	4	5	7	13	54	83	110	133	75.2
Mason	346	8	1	0	0	0	2	7	12	23	53	67	84	89	70.7
Mercer	950	9	0	0	1	1	4	22	28	61	132	238	226	228	71.6
Mineral	332	1	0	0	0	0	1	4	5	13	55	59	89	105	75.5
Mingo	371	2	0	0	0	1	2	10	17	35	78	82	78	66	68.3
Monongalia	723	5	1	0	0	2	1	23	27	39	88	140	167	230	73.1
Monroe	169	0	0	0	0	2	1	6	4	11	20	28	43	54	73.2
Morgan	238	1	1	0	0	0	2	11	8	18	36	58	54	49	69.3
Nicholas	358	1	0	0	1	0	1	7	9	21	53	85	100	80	72.4
Ohio	557	3	0	0	0	0	3	12	17	25	75	119	119	184	74.0
Pendleton	96	0	0	0	0	0	1	3	4	3	7	14	26	38	76.5
Pleasants	101	0	0	0	1	1	0	0	3	1	14	30	23	28	73.8
Pocahontas	103	1	0	0	0	0	2	4	2	5	14	28	25	22	70.6
Preston	395	1	1	0	0	2	1	4	14	24	53	73	103	119	73.5
Putnam	631	0	0	1	1	3	1	22	21	40	71	133	162	176	72.8
Raleigh	1,029	4	1	1	0	2	4	20	49	70	182	201	237	258	71.1
Randolph	355	1	1	0	0	2	2	5	5	26	52	74	84	103	73.4
Ritchie	133	0	0	1	0	0	2	0	4	7	21	26	40	32	73.1
Roane	208	0	2	0	0	1	2	6	5	15	34	50	47	46	70.0
Summers	232	0	0	0	0	1	3	3	8	16	38	45	68	50	71.8
Taylor	191	0	0	0	0	1	2	3	8	12	29	42	49	45	72.0
Tucker	76	1	0	0	0	0	0	1	2	5	9	15	23	20	73.0
Tyler	105	0	0	1	1	0	1	0	2	5	16	19	33	27	73.2
Upshur	293	3	2	0	0	1	2	8	6	15	40	64	80	72	72.0
Wayne	554	3	0	0	0	0	3	22	30	46	71	129	122	128	70.0
Webster	129	0	0	0	0	1	1	2	4	6	23	42	24	26	70.4
Wetzel	251	2	0	0	1	1	2	6	4	14	26	47	83	65	73.2
Wirt	67	0	0	0	0	0	1	2	0	6	8	16	19	15	72.1
Wood	1,094	4	1	1	2	0	9	25	33	66	141	224	280	308	72.9
Wyoming	344	0	1	0	1	0	0	6	15	29	60	84	86	62	70.1
Total	23,290	133	23	17	13	59	148	540	836	1,539	3,391	4,909	5,653	6,029	71.7

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022



Place Death Occurred by County of Residence  
West Virginia, 2017

Table 65

County	Place Death Occurred											Total
	WV Hospital	Out-of-State Hospital	En-route to Hospital	Clinic or Center	Licensed Nursing Home	Other Personal Care	Home	Hospice Care	Named Place or Address	Doctor's Office	Unknown	
Barbour	64	8	0	0	21	7	77	1	4	0	0	182
Berkeley	250	140	1	0	135	38	331	138	18	0	0	1,051
Boone	135	12	0	0	30	9	101	37	14	0	0	338
Braxton	66	3	0	0	27	2	74	3	3	0	0	178
Brooke	66	50	2	0	45	16	75	33	4	0	0	291
Cabell	430	25	2	0	168	87	390	201	56	0	0	1,359
Calhoun	30	3	0	12	13	2	35	1	2	0	0	98
Clay	33	4	0	0	18	3	39	16	5	0	0	118
Doddridge	31	2	0	0	8	1	39	0	2	0	0	83
Fayette	222	18	7	0	69	16	155	150	13	0	0	650
Gilmer	26	1	0	0	20	0	29	3	2	0	0	81
Grant	32	14	1	0	30	3	38	0	2	0	0	120
Greenbrier	141	51	2	0	84	7	131	68	15	1	0	500
Hampshire	27	73	0	0	51	13	110	9	6	0	0	289
Hancock	84	121	3	0	70	26	108	49	5	0	0	466
Hardy	31	31	0	0	26	3	39	3	4	0	0	137
Harrison	310	16	5	0	158	33	316	11	32	0	0	881
Jackson	131	13	0	0	79	6	117	36	11	0	0	393
Jefferson	111	85	0	0	71	16	157	84	16	0	0	540
Kanawha	772	52	1	0	271	66	723	636	77	0	0	2,598
Lewis	81	7	1	0	50	7	84	7	10	0	0	247
Lincoln	97	9	1	0	28	4	78	41	19	0	0	277
Logan	253	30	2	0	41	9	151	59	27	0	0	572
McDowell	91	45	2	0	43	10	83	7	13	0	0	294
Marion	249	13	1	0	156	24	237	8	17	0	0	705
Marshall	168	23	2	0	67	5	105	36	5	0	0	411
Mason	120	35	4	0	51	5	111	15	5	0	0	346
Mercer	320	69	6	0	131	41	343	27	13	0	0	950
Mineral	61	87	0	0	72	5	97	3	7	0	0	332
Mingo	81	106	6	0	25	7	119	18	9	0	0	371
Monongalia	241	24	2	1	134	16	280	2	23	0	0	723
Monroe	24	38	0	0	30	9	43	20	5	0	0	169
Morgan	41	57	1	0	29	8	85	11	6	0	0	238
Nicholas	123	7	4	0	61	8	87	55	13	0	0	358
Ohio	202	24	2	0	138	11	107	66	7	0	0	557
Pendleton	13	16	0	0	27	4	31	1	4	0	0	96
Pleasants	22	21	0	0	20	2	31	0	5	0	0	101
Pocahontas	31	7	0	0	26	4	29	4	2	0	0	103
Preston	112	20	1	1	104	15	128	3	11	0	0	395
Putnam	185	16	2	0	83	23	166	136	20	0	0	631
Raleigh	353	27	7	0	105	22	251	243	21	0	0	1,029
Randolph	100	3	6	0	98	9	125	2	12	0	0	355
Ritchie	39	15	0	0	23	2	48	2	4	0	0	133
Roane	83	5	1	0	19	7	61	22	10	0	0	208
Summers	63	9	0	0	38	12	59	45	6	0	0	232
Taylor	86	4	0	0	28	5	61	0	7	0	0	191
Tucker	17	6	0	0	21	2	28	0	2	0	0	76
Tyler	42	5	2	0	18	3	29	4	2	0	0	105
Upshur	92	10	0	0	44	9	124	7	7	0	0	293
Wayne	165	28	0	0	59	24	180	73	25	0	0	554
Webster	67	3	0	0	10	4	36	4	5	0	0	129
Wetzel	101	9	0	0	41	8	81	4	7	0	0	251
Wirt	16	5	2	0	16	2	22	1	3	0	0	67
Wood	357	117	2	0	221	22	347	9	19	0	0	1,094
Wyoming	109	12	5	0	28	4	115	63	8	0	0	344
<b>Total</b>	<b>7,197</b>	<b>1,634</b>	<b>86</b>	<b>14</b>	<b>3,479</b>	<b>706</b>	<b>7,046</b>	<b>2,477</b>	<b>650</b>	<b>1</b>	<b>0</b>	<b>23,290</b>

West Virginia Bureau for Public Health

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

Health Statistics Center, Vital Statistics System, 2022

Firearm Injury Deaths by Type of Injury and County  
West Virginia Residents, 2017

Table 66

County	Unintentional	Intentional			Undetermined	Total
		Suicide	Assault	Legal Intervention		
Barbour	0	3	1	0	0	4
Berkeley	0	14	6	1	0	21
Boone	0	6	0	0	0	6
Braxton	0	3	1	0	0	4
Brooke	0	4	0	0	0	4
Cabell	0	11	9	0	1	21
Calhoun	0	2	2	0	0	4
Clay	0	3	2	0	0	5
Doddridge	0	2	0	0	0	2
Fayette	0	3	3	0	0	6
Gilmer	0	0	0	0	0	0
Grant	0	1	0	0	0	1
Greenbrier	0	7	1	0	0	8
Hampshire	0	6	0	0	0	6
Hancock	0	4	0	0	0	4
Hardy	0	2	0	0	0	2
Harrison	0	15	2	0	0	17
Jackson	0	3	1	0	0	4
Jefferson	0	6	1	0	0	7
Kanawha	0	23	15	0	0	38
Lewis	0	5	0	0	0	5
Lincoln	0	3	1	0	0	4
Logan	0	2	1	0	0	3
McDowell	0	5	3	0	0	8
Marion	0	7	0	1	0	8
Marshall	0	4	1	0	0	5
Mason	1	2	0	0	0	3
Mercer	0	20	2	1	0	23
Mineral	0	2	0	0	0	2
Mingo	0	5	0	0	0	5
Monongalia	0	7	1	0	0	8
Monroe	0	1	1	0	0	2
Morgan	0	5	2	0	0	7
Nicholas	0	6	0	0	0	6
Ohio	0	6	1	0	0	7
Pendleton	0	4	0	0	0	4
Pleasants	0	2	0	0	0	2
Pocahontas	0	0	0	0	0	0
Preston	0	4	0	0	0	4
Putnam	0	11	0	0	0	11
Raleigh	1	6	1	0	0	8
Randolph	1	4	0	1	0	6
Ritchie	0	1	0	0	0	1
Roane	0	3	1	0	0	4
Summers	0	6	1	0	0	7
Taylor	0	1	2	1	0	4
Tucker	0	1	1	0	0	2
Tyler	0	0	0	0	0	0
Upshur	0	2	0	0	0	2
Wayne	0	5	2	0	2	9
Webster	0	1	0	0	0	1
Wetzel	1	1	0	0	0	2
Wirt	0	0	1	0	0	1
Wood	1	12	3	0	0	16
Wyoming	0	5	0	0	0	5
<b>Total</b>	<b>5</b>	<b>267</b>	<b>69</b>	<b>5</b>	<b>3</b>	<b>349</b>

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Number and Rate of Resident Infant Deaths by County  
West Virginia, 2013-2017  
Table 67

County	2013		2014		2015		2016		2017	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Barbour	1	6.0	0	0.0	1	6.1	2	11.7	1	6.1
Berkeley	9	6.5	14	10.3	7	5.1	6	4.3	9	6.6
Boone	0	0.0	1	4.2	4	17.2	2	8.3	6	24.5
Braxton	1	6.5	1	6.4	0	0.0	2	17.4	0	0.0
Brooke	2	11.1	0	0.0	2	9.8	1	5.3	3	14.5
Cabell	11	9.5	6	5.4	7	6.4	16	15.4	7	6.8
Calhoun	2	24.4	0	0.0	0	0.0	0	0.0	3	56.6
Clay	2	19.4	1	10.6	0	0.0	0	0.0	1	10.9
Doddridge	0	0.0	2	30.3	0	0.0	0	0.0	0	0.0
Fayette	4	6.9	2	3.9	2	4.0	7	15.5	1	2.3
Gilmer	1	13.7	1	15.4	0	0.0	0	0.0	0	0.0
Grant	3	24.6	0	0.0	1	7.5	1	8.8	0	0.0
Greenbrier	4	10.9	2	6.0	2	5.3	3	8.7	1	2.7
Hampshire	3	12.9	2	8.5	2	8.2	1	5.3	0	0.0
Hancock	2	7.8	3	10.3	1	3.7	0	0.0	1	3.9
Hardy	1	7.2	0	0.0	1	6.7	1	5.9	3	19.0
Harrison	5	6.1	8	10.1	4	5.0	5	6.8	6	8.4
Jackson	0	0.0	1	3.1	6	17.8	2	6.5	1	3.5
Jefferson	3	4.8	2	3.4	3	5.3	1	1.9	2	3.3
Kanawha	13	5.8	11	5.1	4	1.9	14	7.1	17	8.8
Lewis	3	14.2	3	15.0	2	9.6	1	5.3	7	45.8
Lincoln	0	0.0	2	7.4	1	4.2	1	4.1	2	9.0
Logan	3	6.9	1	2.6	4	11.3	3	8.4	3	8.2
McDowell	4	14.7	2	8.9	3	14.2	2	9.0	3	16.0
Marion	6	8.6	4	6.3	5	8.0	4	6.1	5	8.1
Marshall	1	3.1	1	3.0	1	3.2	3	9.8	1	3.4
Mason	1	3.6	1	3.6	2	7.1	1	4.1	8	28.8
Mercer	5	6.8	5	7.1	4	5.4	2	3.0	9	12.7
Mineral	3	9.9	4	13.6	1	3.7	2	7.2	1	3.8
Mingo	6	19.0	5	14.4	1	3.1	1	3.7	2	6.2
Monongalia	9	8.3	9	7.5	8	7.3	10	8.9	5	4.5
Monroe	0	0.0	0	0.0	2	15.4	0	0.0	0	0.0
Morgan	0	0.0	2	13.0	1	7.9	2	13.8	1	6.5
Nicholas	3	10.5	1	3.8	5	18.2	2	7.5	1	3.8
Ohio	3	6.5	0	0.0	5	10.6	3	7.2	3	7.4
Pendleton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pleasants	2	23.8	0	0.0	1	11.6	0	0.0	0	0.0
Pocahontas	2	20.6	1	13.5	3	36.1	0	0.0	1	13.3
Preston	2	5.5	1	2.8	5	15.5	5	14.8	1	3.1
Putnam	7	11.1	3	4.7	4	6.7	1	1.8	0	0.0
Raleigh	7	7.6	10	11.3	11	13.3	6	7.2	4	5.3
Randolph	2	6.5	4	12.0	4	14.0	2	7.0	1	3.2
Ritchie	2	20.8	3	29.1	0	0.0	0	0.0	0	0.0
Roane	1	6.7	0	0.0	0	0.0	2	15.4	0	0.0
Summers	1	10.3	3	30.6	0	0.0	0	0.0	0	0.0
Taylor	2	11.6	2	12.5	2	10.4	5	29.1	0	0.0
Tucker	0	0.0	2	29.4	1	15.9	1	13.5	1	15.6
Tyler	0	0.0	0	0.0	1	11.9	1	10.5	0	0.0
Upshur	1	3.6	2	7.2	3	12.1	1	3.4	3	12.9
Wayne	0	0.0	2	4.5	2	4.8	4	9.3	3	8.0
Webster	0	0.0	0	0.0	1	12.8	1	11.4	0	0.0
Wetzel	3	17.2	0	0.0	2	11.2	0	0.0	2	13.2
Wirt	1	16.1	1	17.2	0	0.0	0	0.0	0	0.0
Wood	9	8.7	10	9.8	6	6.1	8	8.5	4	4.4
Wyoming	1	4.6	3	12.8	1	4.7	1	5.1	0	0.0
Total	157	7.5	144	7.1	139	7.0	139	7.3	133	7.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2013-2017  
Table 68

County	2013**		2014**		2015		2016		2017	
	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*
Barbour	1	6.0	2	11.6	0	0.0	0	0.0	2	12.1
Berkeley	4	2.9	4	2.9	10	7.2	8	5.7	10	7.3
Boone	2	7.2	0	0.0	0	0.0	3	12.4	0	0.0
Braxton	0	0.0	0	0.0	1	5.7	1	8.7	0	0.0
Brooke	0	0.0	0	0.0	0	0.0	0	0.0	2	9.7
Cabell	5	4.3	3	2.7	3	2.8	9	8.7	4	3.9
Calhoun	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Clay	0	0.0	0	0.0	1	8.8	0	0.0	0	0.0
Doddridge	0	0.0	1	15.2	0	0.0	1	14.7	0	0.0
Fayette	7	12.1	4	7.9	2	4.0	3	6.6	6	14.0
Gilmer	0	0.0	0	0.0	0	0.0	1	14.7	0	0.0
Grant	1	8.2	0	0.0	0	0.0	0	0.0	1	7.5
Greenbrier	2	5.4	2	6.0	0	0.0	1	2.9	6	16.3
Hampshire	0	0.0	0	0.0	1	4.1	0	0.0	2	9.3
Hancock	0	0.0	2	6.9	0	0.0	2	9.2	2	7.9
Hardy	0	0.0	2	13.5	3	20.1	1	5.9	0	0.0
Harrison	5	6.1	4	5.0	4	5.0	5	6.8	3	4.2
Jackson	1	3.0	2	6.2	2	5.9	0	0.0	0	0.0
Jefferson	1	1.6	0	0.0	3	5.3	3	5.6	2	3.3
Kanawha	9	4.0	5	2.3	10	4.9	13	6.6	9	4.7
Lewis	0	0.0	0	0.0	3	14.4	0	0.0	1	6.5
Lincoln	0	0.0	1	3.7	0	0.0	0	0.0	1	4.5
Logan	1	2.3	2	5.3	1	2.8	0	0.0	0	0.0
McDowell	3	11.0	2	8.9	0	0.0	0	0.0	2	10.7
Marion	5	7.2	3	4.8	1	1.6	0	0.0	6	9.7
Marshall	0	0.0	3	8.9	2	6.3	2	6.5	0	0.0
Mason	1	3.6	2	7.1	0	0.0	0	0.0	1	3.6
Mercer	4	5.4	2	2.8	5	6.8	5	7.6	7	9.9
Mineral	1	3.3	0	0.0	1	3.7	2	7.2	1	3.8
Mingo	1	3.2	2	5.8	3	9.4	1	3.7	1	3.1
Monongalia	4	3.7	5	4.2	2	1.8	4	3.6	2	1.8
Monroe	1	8.3	2	15.9	0	0.0	1	7.6	0	0.0
Morgan	0	0.0	1	6.5	1	7.9	0	0.0	1	6.5
Nicholas	1	3.5	0	0.0	4	14.6	1	3.7	2	7.6
Ohio	0	0.0	0	0.0	2	4.3	3	7.2	1	2.5
Pendleton	0	0.0	0	0.0	1	16.1	1	13.3	1	15.9
Pleasants	1	11.9	0	0.0	0	0.0	0	0.0	2	28.2
Pocahontas	1	10.3	3	40.5	1	12.0	1	11.0	2	26.7
Preston	1	2.8	1	2.8	1	3.1	4	11.9	1	3.1
Putnam	1	1.6	1	1.6	2	3.3	1	1.8	0	0.0
Raleigh	4	4.4	7	7.9	4	4.9	5	6.0	7	9.2
Randolph	3	9.7	2	6.0	0	0.0	0	0.0	3	9.5
Ritchie	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Roane	2	13.4	0	0.0	0	0.0	0	0.0	0	0.0
Summers	1	10.3	4	40.8	1	8.3	0	0.0	1	9.8
Taylor	0	0.0	0	0.0	0	0.0	1	5.8	1	7.1
Tucker	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	2	21.3	0	0.0	0	0.0	1	10.5	1	13.0
Upshur	1	3.6	5	18.1	1	4.0	1	3.4	2	8.6
Wayne	0	0.0	0	0.0	2	4.8	2	4.7	5	13.3
Webster	1	10.2	2	21.3	0	0.0	0	0.0	2	27.8
Wetzel	1	5.7	0	0.0	0	0.0	1	5.9	0	0.0
Wirt	1	16.1	0	0.0	0	0.0	1	18.2	0	0.0
Wood	3	2.9	3	2.9	5	5.1	5	5.3	2	2.2
Wyoming	1	4.6	3	12.8	3	14.2	2	10.2	2	10.4
Total	84	4.0	87	4.3	86	4.3	96	5.0	107	5.7

West Virginia Bureau for Public Health

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

Health Statistics Center, Vital Statistics System, 2022

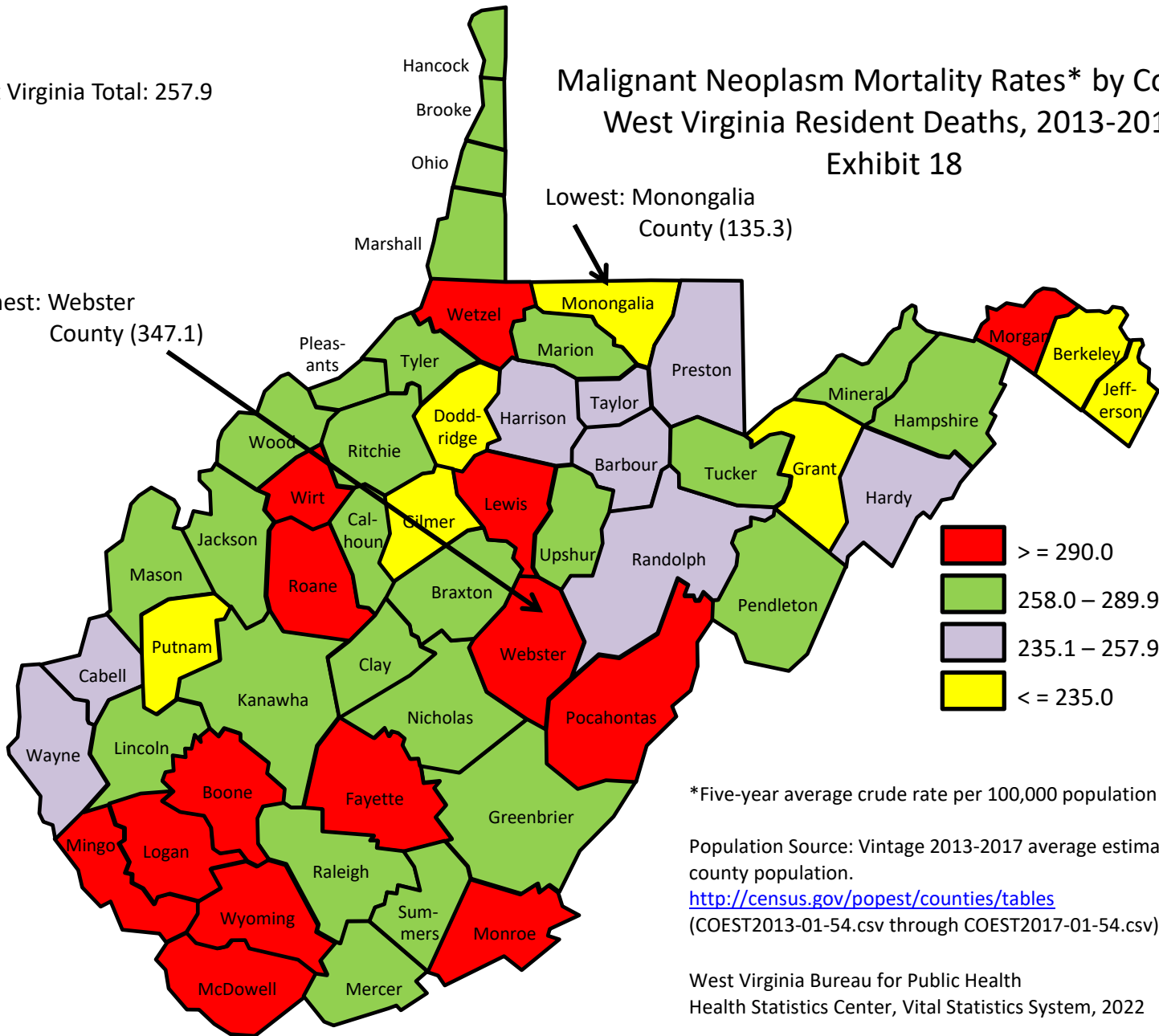
\*\*Lower numbers than previously reported. See summary pages 80-81 for more details.

West Virginia Total: 257.9

### Malignant Neoplasm Mortality Rates\* by County West Virginia Resident Deaths, 2013-2017 Exhibit 18

Highest: Webster  
County (347.1)

Lowest: Monongalia  
County (135.3)



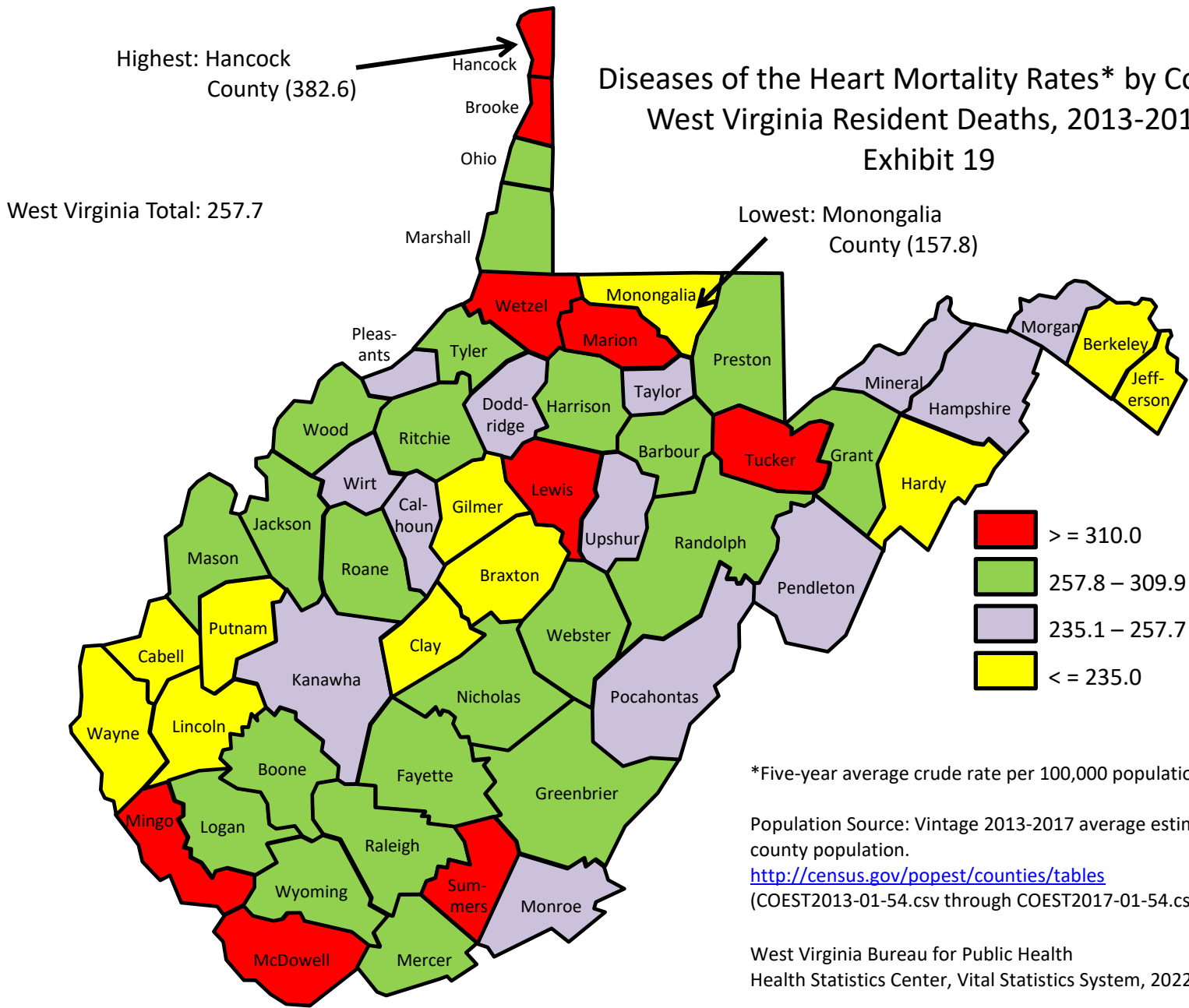
\*Five-year average crude rate per 100,000 population

Population Source: Vintage 2013-2017 average estimated county population.

<http://census.gov/popest/counties/tables>  
(COEST2013-01-54.csv through COEST2017-01-54.csv)

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

## Diseases of the Heart Mortality Rates\* by County West Virginia Resident Deaths, 2013-2017 Exhibit 19



Selected Causes of Resident Deaths: Number and Rate\* by County

West Virginia, 2017

Table 69

Selected Causes of Death	Number and Rate by County							
	Barbour		Berkeley		Boone		Braxton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	12.1	10	7.3	0	0.0	0	0.0
Total Deaths, All Causes	182	11.0	1,051	9.1	338	15.1	178	12.5
--Deaths Under One Year	1	6.1	9	6.6	6	24.5	0	0.0
--Deaths Under 28 Days	0	0.0	4	2.9	2	8.2	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	12.1	10	8.7	6	26.8	4	28.1
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	42	254.6	220	191.4	65	290.8	50	351.2
--of Digestive Organs	12	72.7	55	47.9	15	67.1	16	112.4
----Colon	4	24.2	19	16.5	2	8.9	3	21.1
----Pancreas	3	18.2	13	11.3	3	13.4	3	21.1
--of Respiratory and Intrathoracic Organs	7	42.4	66	57.4	22	98.4	9	63.2
----Trachea, Bronchus and Lung	7	42.4	66	57.4	18	80.5	9	63.2
--of Breast	2	12.1	15	13.1	2	8.9	0	0.0
--of Genitourinary Organs	7	42.4	24	20.9	13	58.2	10	70.2
----Cervix Uteri	1	6.1	2	1.7	1	4.5	0	0.0
----Ovary	1	6.1	1	0.9	3	13.4	1	7.0
----Prostate	1	6.1	5	4.4	4	17.9	2	14.0
----Bladder	2	12.1	11	9.6	1	4.5	3	21.1
--All Other (Malignant Neoplasms)	14	84.9	60	52.2	13	58.2	15	105.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	3	2.6	1	4.5	1	7.0
Diabetes Mellitus	9	54.6	34	29.6	11	49.2	7	49.2
Dementia	2	12.1	43	37.4	13	58.2	5	35.1
Alzheimer's Disease	6	36.4	14	12.2	5	22.4	11	77.3
Major Cardiovascular Disease	48	291.0	257	223.6	92	411.7	37	259.9
--Diseases of the Heart	30	181.9	188	163.6	74	331.1	27	189.6
----Ischemic Heart Disease	18	109.1	116	100.9	45	201.4	23	161.6
--Essential Hypertension and Hypertensive Renal Disease	4	24.2	7	6.1	3	13.4	2	14.0
--Cerebrovascular Diseases (Stroke)	11	66.7	51	44.4	14	62.6	6	42.1
--Arteriosclerosis	1	6.1	2	1.7	0	0.0	2	14.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	12.1	9	7.8	1	4.5	0	0.0
Influenza and Pneumonia	4	24.2	13	11.3	10	44.7	3	21.1
--Influenza	0	0.0	1	0.9	0	0.0	0	0.0
--Pneumonia	4	24.2	12	10.4	10	44.7	3	21.1
Chronic Lower Respiratory Diseases	11	66.7	62	54.0	26	116.3	13	91.3
--Bronchitis, Emphysema and Asthma	0	0.0	8	7.0	2	8.9	1	7.0
Lung Diseases due to External Agents	1	6.1	2	1.7	8	35.8	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	3	13.4	0	0.0
Chronic Liver Disease and Cirrhosis	2	12.1	19	16.5	3	13.4	5	35.1
Nephritis, Nephrotic Syndrome and Nephrosis	2	12.1	13	11.3	8	35.8	3	21.1
Congenital Malformations	0	0.0	3	2.6	1	4.5	1	7.0
Ill-Defined and Unknown Causes of Death	5	30.3	25	21.8	6	26.8	2	14.0
Accidents, All Forms	13	78.8	143	124.4	29	129.8	8	56.2
--Motor Vehicle	5	30.3	15	13.1	9	40.3	0	0.0
--Falls	4	24.2	23	20.0	4	17.9	3	21.1
--Drownings	0	0.0	2	1.7	1	4.5	1	7.0
--Smoke, Fires and Flames	0	0.0	4	3.5	0	0.0	0	0.0
--Poisonings	3	18.2	89	77.4	12	53.7	4	28.1
--Other Accidents	1	6.1	10	8.7	3	13.4	0	0.0
Intentional Self-Harm (Suicide)	5	30.3	23	20.0	6	26.8	3	21.1
Assault (Homicide)	2	12.1	11	9.6	1	4.5	1	7.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.1	6	5.2	1	4.5	0	0.0
All Other Causes (Residual)	27	163.7	150	130.5	46	205.8	24	168.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
Table 69 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Brooke		Cabell		Calhoun		Clay	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	9.7	4	3.9	0	0.0	0	0.0
Total Deaths, All Causes	291	13.0	1,359	14.3	98	13.4	118	13.5
--Deaths Under One Year	3	14.5	7	6.8	3	56.6	1	10.9
--Deaths Under 28 Days	2	9.7	2	1.9	2	37.7	1	10.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	6	26.7	17	17.9	2	27.4	5	57.1
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	53	236.2	238	250.6	13	177.9	18	205.4
--of Digestive Organs	8	35.6	52	54.8	4	54.7	3	34.2
----Colon	2	8.9	11	11.6	0	0.0	1	11.4
----Pancreas	1	4.5	14	14.7	1	13.7	0	0.0
--of Respiratory and Intrathoracic Organs	18	80.2	65	68.5	6	82.1	10	114.1
----Trachea, Bronchus and Lung	16	71.3	64	67.4	5	68.4	10	114.1
--of Breast	3	13.4	23	24.2	0	0.0	1	11.4
--of Genitourinary Organs	10	44.6	29	30.5	2	27.4	2	22.8
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	2	8.9	4	4.2	0	0.0	0	0.0
----Prostate	1	4.5	8	8.4	1	13.7	1	11.4
----Bladder	3	13.4	7	7.4	0	0.0	1	11.4
--All Other (Malignant Neoplasms)	14	62.4	69	72.7	1	13.7	2	22.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	4.5	8	8.4	0	0.0	1	11.4
Diabetes Mellitus	7	31.2	53	55.8	4	54.7	4	45.6
Dementia	11	49.0	78	82.1	0	0.0	11	125.5
Alzheimer's Disease	12	53.5	49	51.6	7	95.8	5	57.1
Major Cardiovascular Disease	111	494.6	289	304.3	34	465.3	35	399.4
--Diseases of the Heart	93	414.4	195	205.4	24	328.5	20	228.2
----Ischemic Heart Disease	57	254.0	122	128.5	15	205.3	14	159.7
--Essential Hypertension and Hypertensive Renal Disease	4	17.8	23	24.2	5	68.4	3	34.2
--Cerebrovascular Diseases (Stroke)	13	57.9	58	61.1	5	68.4	9	102.7
--Arteriosclerosis	1	4.5	1	1.1	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	12	12.6	0	0.0	3	34.2
Influenza and Pneumonia	6	26.7	18	19.0	0	0.0	1	11.4
--Influenza	0	0.0	2	2.1	0	0.0	0	0.0
--Pneumonia	6	26.7	16	16.8	0	0.0	1	11.4
Chronic Lower Respiratory Diseases	16	71.3	78	82.1	11	150.5	2	22.8
--Bronchitis, Emphysema and Asthma	0	0.0	2	2.1	0	0.0	0	0.0
Lung Diseases due to External Agents	3	13.4	6	6.3	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	13.4	12	12.6	1	13.7	2	22.8
Nephritis, Nephrotic Syndrome and Nephrosis	3	13.4	26	27.4	2	27.4	3	34.2
Congenital Malformations	2	8.9	2	2.1	1	13.7	0	0.0
Ill-Defined and Unknown Causes of Death	2	8.9	43	45.3	0	0.0	1	11.4
Accidents, All Forms	18	80.2	206	216.9	6	82.1	6	68.5
--Motor Vehicle	0	0.0	13	13.7	2	27.4	2	22.8
--Falls	3	13.4	36	37.9	1	13.7	0	0.0
--Drownings	0	0.0	1	1.1	1	13.7	1	11.4
--Smoke, Fires and Flames	1	4.5	2	2.1	0	0.0	0	0.0
--Poisonings	10	44.6	148	155.9	1	13.7	2	22.8
--Other Accidents	4	17.8	6	6.3	1	13.7	1	11.4
Intentional Self-Harm (Suicide)	7	31.2	20	21.1	2	27.4	4	45.6
Assault (Homicide)	0	0.0	18	19.0	2	27.4	2	22.8
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	4	4.2	0	0.0	0	0.0
All Other Causes (Residual)	30	133.7	194	204.3	13	177.9	18	205.4

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
Table 69 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Doddridge		Fayette		Gilmer		Grant	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	6	14.0	0	0.0	1	7.5
Total Deaths, All Causes	83	9.7	650	14.9	81	10.1	120	10.3
--Deaths Under One Year	0	0.0	1	2.3	0	0.0	0	0.0
--Deaths Under 28 Days	0	0.0	1	2.3	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	11.7	12	27.6	1	12.5	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	19	222.0	119	273.4	10	124.9	25	214.2
--of Digestive Organs	8	93.5	31	71.2	4	50.0	6	51.4
----Colon	4	46.7	17	39.1	4	50.0	4	34.3
----Pancreas	1	11.7	4	9.2	0	0.0	1	8.6
--of Respiratory and Intrathoracic Organs	3	35.0	41	94.2	2	25.0	6	51.4
----Trachea, Bronchus and Lung	3	35.0	41	94.2	2	25.0	6	51.4
--of Breast	2	23.4	6	13.8	0	0.0	1	8.6
--of Genitourinary Organs	2	23.4	12	27.6	2	25.0	4	34.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	8.6
----Ovary	0	0.0	3	6.9	0	0.0	0	0.0
----Prostate	0	0.0	4	9.2	0	0.0	2	17.1
----Bladder	0	0.0	0	0.0	0	0.0	1	8.6
--All Other (Malignant Neoplasms)	4	46.7	29	66.6	2	25.0	8	68.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	11.7	2	4.6	0	0.0	0	0.0
Diabetes Mellitus	3	35.0	28	64.3	5	62.5	0	0.0
Dementia	0	0.0	34	78.1	0	0.0	4	34.3
Alzheimer's Disease	2	23.4	14	32.2	10	124.9	1	8.6
Major Cardiovascular Disease	30	350.5	174	399.8	30	374.8	39	334.2
--Diseases of the Heart	21	245.3	133	305.6	20	249.8	29	248.5
----Ischemic Heart Disease	18	210.3	94	216.0	17	212.4	20	171.4
--Essential Hypertension and Hypertensive Renal Disease	2	23.4	10	23.0	2	25.0	0	0.0
--Cerebrovascular Diseases (Stroke)	5	58.4	27	62.0	6	75.0	2	17.1
--Arteriosclerosis	2	23.4	0	0.0	1	12.5	8	68.6
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	4	9.2	1	12.5	0	0.0
Influenza and Pneumonia	2	23.4	10	23.0	7	87.4	5	42.8
--Influenza	0	0.0	1	2.3	3	37.5	0	0.0
--Pneumonia	2	23.4	9	20.7	4	50.0	5	42.8
Chronic Lower Respiratory Diseases	10	116.8	67	153.9	4	50.0	6	51.4
--Bronchitis, Emphysema and Asthma	0	0.0	3	6.9	0	0.0	1	8.6
Lung Diseases due to External Agents	0	0.0	6	13.8	0	0.0	1	8.6
--Coal Worker's Pneumoconiosis	0	0.0	1	2.3	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	5	11.5	0	0.0	3	25.7
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	19	43.7	0	0.0	2	17.1
Congenital Malformations	0	0.0	1	2.3	1	12.5	0	0.0
Ill-Defined and Unknown Causes of Death	1	11.7	8	18.4	0	0.0	8	68.6
Accidents, All Forms	4	46.7	59	135.6	2	25.0	6	51.4
--Motor Vehicle	1	11.7	11	25.3	1	12.5	2	17.1
--Falls	0	0.0	11	25.3	0	0.0	3	25.7
--Drownings	1	11.7	1	2.3	0	0.0	0	0.0
--Smoke, Fires and Flames	1	11.7	1	2.3	0	0.0	0	0.0
--Poisonings	1	11.7	31	71.2	0	0.0	1	8.6
--Other Accidents	0	0.0	4	9.2	1	12.5	0	0.0
Intentional Self-Harm (Suicide)	2	23.4	4	9.2	2	25.0	1	8.6
Assault (Homicide)	1	11.7	4	9.2	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	7	81.8	84	193.0	9	112.4	19	162.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
Table 69 (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	6	16.3	2	9.3	2	7.9	0	0.0
Total Deaths, All Causes	500	14.2	289	12.3	466	15.8	137	10.0
--Deaths Under One Year	1	2.7	0	0.0	1	3.9	3	19.0
--Deaths Under 28 Days	1	2.7	0	0.0	1	3.9	2	12.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	9	25.5	3	12.8	9	30.6	2	14.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	101	286.2	69	294.0	89	302.2	27	196.8
--of Digestive Organs	26	73.7	14	59.6	19	64.5	10	72.9
----Colon	6	17.0	3	12.8	8	27.2	2	14.6
----Pancreas	13	36.8	3	12.8	4	13.6	4	29.2
--of Respiratory and Intrathoracic Organs	32	90.7	26	110.8	25	84.9	4	29.2
----Trachea, Bronchus and Lung	30	85.0	25	106.5	24	81.5	4	29.2
--of Breast	6	17.0	2	8.5	6	20.4	0	0.0
--of Genitourinary Organs	12	34.0	11	46.9	12	40.7	8	58.3
----Cervix Uteri	1	2.8	1	4.3	1	3.4	0	0.0
----Ovary	4	11.3	3	12.8	1	3.4	1	7.3
----Prostate	3	8.5	3	12.8	6	20.4	4	29.2
----Bladder	2	5.7	2	8.5	1	3.4	2	14.6
--All Other (Malignant Neoplasms)	25	70.8	16	68.2	27	91.7	5	36.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	5.7	2	8.5	3	10.2	0	0.0
Diabetes Mellitus	16	45.3	15	63.9	10	34.0	4	29.2
Dementia	34	96.4	11	46.9	18	61.1	2	14.6
Alzheimer's Disease	15	42.5	6	25.6	9	30.6	2	14.6
Major Cardiovascular Disease	133	376.9	90	383.5	154	523.0	41	298.9
--Diseases of the Heart	100	283.4	66	281.2	133	451.6	24	175.0
----Ischemic Heart Disease	56	158.7	40	170.4	92	312.4	17	123.9
--Essential Hypertension and Hypertensive Renal Disease	5	14.2	4	17.0	4	13.6	2	14.6
--Cerebrovascular Diseases (Stroke)	23	65.2	15	63.9	17	57.7	13	94.8
--Arteriosclerosis	0	0.0	1	4.3	0	0.0	1	7.3
--Other Diseases of Arteries, Arterioles and Capillaries	5	14.2	4	17.0	0	0.0	1	7.3
Influenza and Pneumonia	10	28.3	4	17.0	23	78.1	1	7.3
--Influenza	1	2.8	1	4.3	2	6.8	1	7.3
--Pneumonia	9	25.5	3	12.8	21	71.3	0	0.0
Chronic Lower Respiratory Diseases	26	73.7	20	85.2	28	95.1	10	72.9
--Bronchitis, Emphysema and Asthma	2	5.7	0	0.0	6	20.4	0	0.0
Lung Diseases due to External Agents	3	8.5	0	0.0	5	17.0	1	7.3
--Coal Worker's Pneumoconiosis	1	2.8	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	13	36.8	4	17.0	8	27.2	2	14.6
Nephritis, Nephrotic Syndrome and Nephrosis	12	34.0	8	34.1	8	27.2	2	14.6
Congenital Malformations	2	5.7	0	0.0	0	0.0	1	7.3
Ill-Defined and Unknown Causes of Death	4	11.3	2	8.5	6	20.4	15	109.4
Accidents, All Forms	36	102.0	22	93.7	31	105.3	8	58.3
--Motor Vehicle	8	22.7	7	29.8	7	23.8	5	36.5
--Falls	12	34.0	0	0.0	6	20.4	0	0.0
--Drownings	1	2.8	1	4.3	0	0.0	0	0.0
--Smoke, Fires and Flames	4	11.3	0	0.0	1	3.4	0	0.0
--Poisonings	7	19.8	11	46.9	15	50.9	3	21.9
--Other Accidents	4	11.3	3	12.8	2	6.8	0	0.0
Intentional Self-Harm (Suicide)	8	22.7	7	29.8	8	27.2	2	14.6
Assault (Homicide)	2	5.7	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	3	8.5	1	4.3	1	3.4	0	0.0
All Other Causes (Residual)	71	201.2	25	106.5	56	190.2	17	123.9

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2017  
Table 69 (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	3	4.2	0	0.0	2	3.3	9	4.7
Total Deaths, All Causes	881	13.0	393	13.6	540	9.6	2,598	14.2
--Deaths Under One Year	6	8.4	1	3.5	2	3.3	17	8.8
--Deaths Under 28 Days	2	2.8	1	3.5	2	3.3	9	4.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	11	16.2	4	13.8	12	21.3	45	24.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	4	2.2
Malignant Neoplasms	160	235.9	87	300.2	138	245.0	476	259.7
--of Digestive Organs	38	56.0	18	62.1	32	56.8	123	67.1
----Colon	7	10.3	6	20.7	10	17.8	33	18.0
----Pancreas	15	22.1	6	20.7	8	14.2	36	19.6
--of Respiratory and Intrathoracic Organs	50	73.7	22	75.9	31	55.0	149	81.3
----Trachea, Bronchus and Lung	49	72.3	21	72.5	31	55.0	142	77.5
--of Breast	9	13.3	7	24.2	10	17.8	32	17.5
--of Genitourinary Organs	24	35.4	14	48.3	33	58.6	47	25.6
----Cervix Uteri	1	1.5	0	0.0	0	0.0	4	2.2
----Ovary	4	5.9	2	6.9	4	7.1	10	5.5
----Prostate	9	13.3	5	17.3	9	16.0	11	6.0
----Bladder	7	10.3	1	3.5	7	12.4	13	7.1
--All Other (Malignant Neoplasms)	39	57.5	26	89.7	32	56.8	125	68.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	8	11.8	1	3.5	4	7.1	14	7.6
Diabetes Mellitus	37	54.6	13	44.9	9	16.0	83	45.3
Dementia	15	22.1	15	51.8	28	49.7	126	68.7
Alzheimer's Disease	28	41.3	11	38.0	11	19.5	127	69.3
Major Cardiovascular Disease	284	418.8	116	400.3	145	257.4	706	385.2
--Diseases of the Heart	200	294.9	82	283.0	116	205.9	507	276.6
----Ischemic Heart Disease	159	234.5	58	200.2	74	131.4	342	186.6
--Essential Hypertension and Hypertensive Renal Disease	11	16.2	10	34.5	4	7.1	32	17.5
--Cerebrovascular Diseases (Stroke)	34	50.1	17	58.7	22	39.1	150	81.8
--Arteriosclerosis	35	51.6	3	10.4	0	0.0	2	1.1
--Other Diseases of Arteries, Arterioles and Capillaries	4	5.9	4	13.8	3	5.3	15	8.2
Influenza and Pneumonia	18	26.5	14	48.3	4	7.1	59	32.2
--Influenza	2	2.9	2	6.9	0	0.0	10	5.5
--Pneumonia	16	23.6	12	41.4	4	7.1	49	26.7
Chronic Lower Respiratory Diseases	71	104.7	30	103.5	46	81.7	163	88.9
--Bronchitis, Emphysema and Asthma	6	8.8	0	0.0	4	7.1	10	5.5
Lung Diseases due to External Agents	4	5.9	4	13.8	0	0.0	15	8.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	12	17.7	3	10.4	8	14.2	43	23.5
Nephritis, Nephrotic Syndrome and Nephrosis	12	17.7	11	38.0	9	16.0	70	38.2
Congenital Malformations	4	5.9	3	10.4	0	0.0	7	3.8
Ill-Defined and Unknown Causes of Death	22	32.4	4	13.8	9	16.0	52	28.4
Accidents, All Forms	50	73.7	20	69.0	53	94.1	217	118.4
--Motor Vehicle	13	19.2	6	20.7	10	17.8	22	12.0
--Falls	9	13.3	3	10.4	11	19.5	48	26.2
--Drownings	1	1.5	0	0.0	0	0.0	2	1.1
--Smoke, Fires and Flames	1	1.5	0	0.0	1	1.8	2	1.1
--Poisonings	21	31.0	10	34.5	28	49.7	126	68.7
--Other Accidents	5	7.4	1	3.5	3	5.3	17	9.3
Intentional Self-Harm (Suicide)	22	32.4	6	20.7	8	14.2	44	24.0
Assault (Homicide)	2	2.9	1	3.5	1	1.8	16	8.7
Injury Undetermined Whether Accidental or Purposely Inflicted	1	1.5	1	3.5	1	1.8	3	1.6
All Other Causes (Residual)	120	177.0	49	169.1	54	95.9	328	178.9

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by County

West Virginia, 2017

Table 69 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Lewis		Lincoln		Logan		McDowell	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	6.5	1	4.5	0	0.0	2	10.7
Total Deaths, All Causes	247	15.2	277	13.3	572	17.4	294	15.9
--Deaths Under One Year	7	45.8	2	9.0	3	8.2	3	16.0
--Deaths Under 28 Days	5	32.7	2	9.0	2	5.4	2	10.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	6.2	5	24.0	15	45.6	7	37.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	5.4
Malignant Neoplasms	48	295.8	53	254.5	127	385.7	70	379.3
--of Digestive Organs	10	61.6	13	62.4	26	79.0	17	92.1
----Colon	3	18.5	5	24.0	7	21.3	7	37.9
----Pancreas	0	0.0	2	9.6	5	15.2	5	27.1
--of Respiratory and Intrathoracic Organs	21	129.4	19	91.2	39	118.5	25	135.5
----Trachea, Bronchus and Lung	21	129.4	19	91.2	36	109.3	25	135.5
--of Breast	4	24.7	2	9.6	11	33.4	2	10.8
--of Genitourinary Organs	3	18.5	5	24.0	23	69.9	8	43.3
----Cervix Uteri	0	0.0	1	4.8	0	0.0	2	10.8
----Ovary	0	0.0	1	4.8	3	9.1	2	10.8
----Prostate	1	6.2	2	9.6	6	18.2	0	0.0
----Bladder	1	6.2	1	4.8	2	6.1	3	16.3
--All Other (Malignant Neoplasms)	10	61.6	14	67.2	28	85.0	18	97.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	12.3	1	4.8	5	15.2	2	10.8
Diabetes Mellitus	6	37.0	9	43.2	21	63.8	16	86.7
Dementia	3	18.5	14	67.2	13	39.5	4	21.7
Alzheimer's Disease	16	98.6	5	24.0	19	57.7	3	16.3
Major Cardiovascular Disease	77	474.5	76	364.9	129	391.8	63	341.4
--Diseases of the Heart	59	363.6	50	240.1	92	279.4	54	292.6
----Ischemic Heart Disease	43	265.0	34	163.3	60	182.2	34	184.2
--Essential Hypertension and Hypertensive Renal Disease	4	24.7	5	24.0	12	36.4	4	21.7
--Cerebrovascular Diseases (Stroke)	8	49.3	14	67.2	24	72.9	4	21.7
--Arteriosclerosis	5	30.8	1	4.8	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	6.2	6	28.8	1	3.0	1	5.4
Influenza and Pneumonia	1	6.2	4	19.2	5	15.2	3	16.3
--Influenza	0	0.0	1	4.8	1	3.0	0	0.0
--Pneumonia	1	6.2	3	14.4	4	12.1	3	16.3
Chronic Lower Respiratory Diseases	23	141.7	31	148.9	58	176.2	30	162.5
--Bronchitis, Emphysema and Asthma	0	0.0	1	4.8	2	6.1	1	5.4
Lung Diseases due to External Agents	2	12.3	0	0.0	5	15.2	3	16.3
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	4	12.1	1	5.4
Chronic Liver Disease and Cirrhosis	3	18.5	4	19.2	9	27.3	6	32.5
Nephritis, Nephrotic Syndrome and Nephrosis	2	12.3	8	38.4	10	30.4	3	16.3
Congenital Malformations	2	12.3	3	14.4	3	9.1	4	21.7
Ill-Defined and Unknown Causes of Death	1	6.2	3	14.4	7	21.3	9	48.8
Accidents, All Forms	19	117.1	30	144.1	55	167.0	18	97.5
--Motor Vehicle	6	37.0	5	24.0	11	33.4	4	21.7
--Falls	3	18.5	5	24.0	5	15.2	3	16.3
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	3.0	0	0.0
--Poisonings	8	49.3	18	86.4	34	103.3	10	54.2
--Other Accidents	2	12.3	2	9.6	4	12.1	1	5.4
Intentional Self-Harm (Suicide)	5	30.8	4	19.2	3	9.1	5	27.1
Assault (Homicide)	0	0.0	3	14.4	1	3.0	5	27.1
Injury Undetermined Whether Accidental or Purposely Inflicted	2	12.3	0	0.0	2	6.1	0	0.0
All Other Causes (Residual)	34	209.5	24	115.2	85	258.2	42	227.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2017  
Table 69 (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	6	9.7	0	0.0	1	3.6	7	9.9
Total Deaths, All Causes	705	12.5	411	13.2	346	12.9	950	15.9
--Deaths Under One Year	5	8.1	1	3.4	8	28.8	9	12.7
--Deaths Under 28 Days	1	1.6	0	0.0	6	21.6	6	8.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	12	21.3	5	16.0	5	18.7	20	33.5
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	1.7
Malignant Neoplasms	139	246.7	89	285.3	68	253.7	184	307.9
--of Digestive Organs	41	72.8	20	64.1	14	52.2	40	66.9
----Colon	11	19.5	3	9.6	3	11.2	10	16.7
----Pancreas	11	19.5	3	9.6	6	22.4	10	16.7
--of Respiratory and Intrathoracic Organs	41	72.8	32	102.6	17	63.4	57	95.4
----Trachea, Bronchus and Lung	41	72.8	32	102.6	17	63.4	54	90.4
--of Breast	6	10.7	5	16.0	3	11.2	13	21.8
--of Genitourinary Organs	14	24.9	13	41.7	10	37.3	19	31.8
----Cervix Uteri	0	0.0	1	3.2	0	0.0	0	0.0
----Ovary	2	3.6	1	3.2	2	7.5	4	6.7
----Prostate	5	8.9	3	9.6	4	14.9	7	11.7
----Bladder	3	5.3	1	3.2	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	37	65.7	19	60.9	24	89.5	55	92.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	4	7.1	2	6.4	5	18.7	8	13.4
Diabetes Mellitus	38	67.5	9	28.9	10	37.3	38	63.6
Dementia	21	37.3	13	41.7	9	33.6	40	66.9
Alzheimer's Disease	14	24.9	21	67.3	19	70.9	29	48.5
Major Cardiovascular Disease	241	427.8	123	394.4	87	324.6	221	369.9
--Diseases of the Heart	192	340.8	94	301.4	62	231.3	177	296.2
----Ischemic Heart Disease	131	232.5	73	234.0	39	145.5	102	170.7
--Essential Hypertension and Hypertensive Renal Disease	18	32.0	6	19.2	4	14.9	12	20.1
--Cerebrovascular Diseases (Stroke)	22	39.1	17	54.5	20	74.6	30	50.2
--Arteriosclerosis	4	7.1	1	3.2	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	5	8.9	5	16.0	1	3.7	2	3.3
Influenza and Pneumonia	16	28.4	11	35.3	14	52.2	17	28.5
--Influenza	1	1.8	1	3.2	1	3.7	1	1.7
--Pneumonia	15	26.6	10	32.1	13	48.5	16	26.8
Chronic Lower Respiratory Diseases	49	87.0	29	93.0	20	74.6	82	137.2
--Bronchitis, Emphysema and Asthma	1	1.8	0	0.0	0	0.0	3	5.0
Lung Diseases due to External Agents	2	3.6	6	19.2	1	3.7	7	11.7
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	1.7
Chronic Liver Disease and Cirrhosis	13	23.1	3	9.6	5	18.7	12	20.1
Nephritis, Nephrotic Syndrome and Nephrosis	16	28.4	11	35.3	8	29.8	21	35.1
Congenital Malformations	2	3.6	1	3.2	1	3.7	3	5.0
Ill-Defined and Unknown Causes of Death	11	19.5	8	25.6	5	18.7	25	41.8
Accidents, All Forms	32	56.8	21	67.3	31	115.7	68	113.8
--Motor Vehicle	10	17.8	6	19.2	6	22.4	13	21.8
--Falls	8	14.2	6	19.2	4	14.9	14	23.4
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	1	1.8	0	0.0	0	0.0	4	6.7
--Poisonings	10	17.8	6	19.2	18	67.2	31	51.9
--Other Accidents	3	5.3	3	9.6	3	11.2	6	10.0
Intentional Self-Harm (Suicide)	7	12.4	7	22.4	2	7.5	26	43.5
Assault (Homicide)	0	0.0	1	3.2	0	0.0	7	11.7
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	4	6.7
All Other Causes (Residual)	88	156.2	51	163.5	56	208.9	137	229.3

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
Table 69 (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	1	3.8	1	3.1	2	1.8	0	0.0
Total Deaths, All Causes	332	12.2	371	15.4	723	6.9	169	12.6
--Deaths Under One Year	1	3.8	2	6.2	5	4.5	0	0.0
--Deaths Under 28 Days	1	3.8	2	6.2	2	1.8	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	14.7	8	33.2	13	12.4	2	14.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	81	297.6	61	252.8	134	127.6	42	313.4
--of Digestive Organs	14	51.4	15	62.2	33	31.4	8	59.7
----Colon	5	18.4	6	24.9	5	4.8	1	7.5
----Pancreas	3	11.0	3	12.4	13	12.4	2	14.9
--of Respiratory and Intrathoracic Organs	22	80.8	22	91.2	32	30.5	8	59.7
----Trachea, Bronchus and Lung	20	73.5	21	87.0	30	28.6	8	59.7
--of Breast	9	33.1	2	8.3	14	13.3	5	37.3
--of Genitourinary Organs	12	44.1	7	29.0	23	21.9	6	44.8
----Cervix Uteri	0	0.0	2	8.3	1	1.0	0	0.0
----Ovary	0	0.0	0	0.0	5	4.8	2	14.9
----Prostate	7	25.7	1	4.1	5	4.8	1	7.5
----Bladder	3	11.0	0	0.0	5	4.8	0	0.0
--All Other (Malignant Neoplasms)	24	88.2	15	62.2	32	30.5	15	111.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	3.7	1	4.1	3	2.9	1	7.5
Diabetes Mellitus	14	51.4	15	62.2	22	20.9	3	22.4
Dementia	7	25.7	6	24.9	24	22.9	7	52.2
Alzheimer's Disease	10	36.7	13	53.9	27	25.7	6	44.8
Major Cardiovascular Disease	82	301.2	102	422.8	236	224.7	47	350.7
--Diseases of the Heart	59	216.7	80	331.6	182	173.3	39	291.0
----Ischemic Heart Disease	43	158.0	58	240.4	126	120.0	21	156.7
--Essential Hypertension and Hypertensive Renal Disease	4	14.7	6	24.9	18	17.1	0	0.0
--Cerebrovascular Diseases (Stroke)	15	55.1	13	53.9	32	30.5	8	59.7
--Arteriosclerosis	1	3.7	0	0.0	1	1.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	3	11.0	3	12.4	3	2.9	0	0.0
Influenza and Pneumonia	9	33.1	12	49.7	12	11.4	2	14.9
--Influenza	0	0.0	3	12.4	0	0.0	0	0.0
--Pneumonia	9	33.1	9	37.3	12	11.4	2	14.9
Chronic Lower Respiratory Diseases	21	77.1	35	145.1	48	45.7	6	44.8
--Bronchitis, Emphysema and Asthma	0	0.0	1	4.1	0	0.0	0	0.0
Lung Diseases due to External Agents	6	22.0	3	12.4	9	8.6	1	7.5
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	22.0	6	24.9	10	9.5	2	14.9
Nephritis, Nephrotic Syndrome and Nephrosis	5	18.4	5	20.7	12	11.4	1	7.5
Congenital Malformations	0	0.0	2	8.3	4	3.8	1	7.5
Ill-Defined and Unknown Causes of Death	1	3.7	4	16.6	12	11.4	0	0.0
Accidents, All Forms	14	51.4	32	132.6	57	54.3	17	126.8
--Motor Vehicle	2	7.3	7	29.0	7	6.7	6	44.8
--Falls	6	22.0	8	33.2	9	8.6	5	37.3
--Drownings	0	0.0	1	4.1	2	1.9	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	5	18.4	15	62.2	33	31.4	3	22.4
--Other Accidents	1	3.7	1	4.1	6	5.7	3	22.4
Intentional Self-Harm (Suicide)	5	18.4	7	29.0	11	10.5	3	22.4
Assault (Homicide)	0	0.0	1	4.1	1	1.0	1	7.5
Injury Undetermined Whether Accidental or Purposely Inflicted	1	3.7	0	0.0	1	1.0	1	7.5
All Other Causes (Residual)	65	238.8	58	240.4	87	82.8	26	194.0

West Virginia Bureau of Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2017  
Table 69 (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	1	6.5	2	7.6	1	2.5	1	15.9
Total Deaths, All Causes	238	13.5	358	14.3	557	13.3	96	13.7
--Deaths Under One Year	1	6.5	1	3.8	3	7.4	0	0.0
--Deaths Under 28 Days	1	6.5	1	3.8	1	2.5	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	22.6	1	4.0	8	19.0	1	14.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	14.3
Malignant Neoplasms	53	299.7	75	299.5	113	268.8	18	257.3
--of Digestive Organs	13	73.5	23	91.8	26	61.9	5	71.5
----Colon	4	22.6	7	28.0	7	16.7	3	42.9
----Pancreas	4	22.6	4	16.0	9	21.4	1	14.3
--of Respiratory and Intrathoracic Organs	23	130.0	18	71.9	36	85.6	5	71.5
----Trachea, Bronchus and Lung	22	124.4	16	63.9	33	78.5	5	71.5
--of Breast	2	11.3	3	12.0	9	21.4	2	28.6
--of Genitourinary Organs	4	22.6	11	43.9	10	23.8	3	42.9
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	3	12.0	0	0.0	2	28.6
----Prostate	1	5.7	2	8.0	1	2.4	0	0.0
----Bladder	1	5.7	1	4.0	4	9.5	0	0.0
--All Other (Malignant Neoplasms)	11	62.2	20	79.9	32	76.1	3	42.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	11.3	1	4.0	2	4.8	0	0.0
Diabetes Mellitus	7	39.6	10	39.9	32	76.1	1	14.3
Dementia	5	28.3	18	71.9	36	85.6	6	85.8
Alzheimer's Disease	10	56.5	7	28.0	8	19.0	9	128.6
Major Cardiovascular Disease	61	344.9	96	383.3	154	366.4	23	328.8
--Diseases of the Heart	45	254.4	71	283.5	120	285.5	18	257.3
----Ischemic Heart Disease	25	141.4	47	187.7	72	171.3	16	228.7
--Essential Hypertension and Hypertensive Renal Disease	2	11.3	8	31.9	4	9.5	1	14.3
--Cerebrovascular Diseases (Stroke)	13	73.5	13	51.9	27	64.2	3	42.9
--Arteriosclerosis	0	0.0	1	4.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	5.7	3	12.0	3	7.1	1	14.3
Influenza and Pneumonia	5	28.3	8	31.9	15	35.7	2	28.6
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	5	28.3	8	31.9	15	35.7	2	28.6
Chronic Lower Respiratory Diseases	16	90.5	32	127.8	38	90.4	9	128.6
--Bronchitis, Emphysema and Asthma	0	0.0	1	4.0	4	9.5	0	0.0
Lung Diseases due to External Agents	3	17.0	4	16.0	3	7.1	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	1	4.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	22.6	8	31.9	5	11.9	3	42.9
Nephritis, Nephrotic Syndrome and Nephrosis	3	17.0	4	16.0	10	23.8	1	14.3
Congenital Malformations	1	5.7	2	8.0	2	4.8	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	5	20.0	7	16.7	1	14.3
Accidents, All Forms	25	141.4	25	99.8	38	90.4	8	114.4
--Motor Vehicle	7	39.6	9	35.9	1	2.4	3	42.9
--Falls	4	22.6	6	24.0	12	28.5	3	42.9
--Drownings	0	0.0	0	0.0	1	2.4	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	14	79.2	8	31.9	19	45.2	2	28.6
--Other Accidents	0	0.0	2	8.0	5	11.9	0	0.0
Intentional Self-Harm (Suicide)	7	39.6	9	35.9	7	16.7	4	57.2
Assault (Homicide)	2	11.3	1	4.0	1	2.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	5.7	2	8.0	0	0.0	0	0.0
All Other Causes (Residual)	29	164.0	50	199.7	78	185.6	9	128.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2017  
Table 69 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Pleasants		Pocahontas		Preston		Putnam	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	28.2	2	26.7	1	3.1	0	0.0
Total Deaths, All Causes	101	13.4	103	12.2	395	11.7	631	11.1
--Deaths Under One Year	0	0.0	1	13.3	1	3.1	0	0.0
--Deaths Under 28 Days	0	0.0	1	13.3	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	13.3	0	0.0	3	8.9	6	10.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	29	386.0	21	248.3	67	198.9	122	214.8
--of Digestive Organs	9	119.8	4	47.3	10	29.7	27	47.5
----Colon	3	39.9	0	0.0	4	11.9	10	17.6
----Pancreas	2	26.6	1	11.8	1	3.0	4	7.0
--of Respiratory and Intrathoracic Organs	6	79.9	3	35.5	18	53.4	33	58.1
----Trachea, Bronchus and Lung	6	79.9	3	35.5	16	47.5	32	56.3
--of Breast	1	13.3	2	23.7	3	8.9	12	21.1
--of Genitourinary Organs	2	26.6	3	35.5	12	35.6	23	40.5
----Cervix Uteri	1	13.3	0	0.0	0	0.0	0	0.0
----Ovary	1	13.3	0	0.0	1	3.0	3	5.3
----Prostate	0	0.0	2	23.7	6	17.8	9	15.8
----Bladder	0	0.0	1	11.8	4	11.9	5	8.8
--All Other (Malignant Neoplasms)	11	146.4	9	106.4	24	71.3	27	47.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	26.6	0	0.0	4	11.9	1	1.8
Diabetes Mellitus	3	39.9	3	35.5	20	59.4	21	37.0
Dementia	10	133.1	6	71.0	16	47.5	21	37.0
Alzheimer's Disease	2	26.6	1	11.8	25	74.2	28	49.3
Major Cardiovascular Disease	26	346.1	31	366.6	112	332.6	192	338.1
--Diseases of the Heart	17	226.3	26	307.5	92	273.2	143	251.8
----Ischemic Heart Disease	9	119.8	17	201.0	65	193.0	111	195.5
--Essential Hypertension and Hypertensive Renal Disease	3	39.9	0	0.0	4	11.9	9	15.8
--Cerebrovascular Diseases (Stroke)	5	66.6	3	35.5	11	32.7	32	56.3
--Arteriosclerosis	0	0.0	0	0.0	2	5.9	2	3.5
--Other Diseases of Arteries, Arterioles and Capillaries	1	13.3	2	23.7	3	8.9	6	10.6
Influenza and Pneumonia	2	26.6	1	11.8	6	17.8	10	17.6
--Influenza	0	0.0	0	0.0	0	0.0	1	1.8
--Pneumonia	2	26.6	1	11.8	6	17.8	9	15.8
Chronic Lower Respiratory Diseases	2	26.6	7	82.8	28	83.1	36	63.4
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	4	7.0
Lung Diseases due to External Agents	2	26.6	1	11.8	2	5.9	5	8.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	4	47.3	4	11.9	6	10.6
Nephritis, Nephrotic Syndrome and Nephrosis	1	13.3	3	35.5	6	17.8	14	24.7
Congenital Malformations	1	13.3	0	0.0	1	3.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	13.3	6	71.0	2	5.9	12	21.1
Accidents, All Forms	2	26.6	9	106.4	24	71.3	58	102.1
--Motor Vehicle	0	0.0	4	47.3	6	17.8	7	12.3
--Falls	1	13.3	2	23.7	9	26.7	10	17.6
--Drownings	0	0.0	0	0.0	0	0.0	2	3.5
--Smoke, Fires and Flames	0	0.0	1	11.8	1	3.0	0	0.0
--Poisonings	1	13.3	1	11.8	4	11.9	34	59.9
--Other Accidents	0	0.0	1	11.8	4	11.9	5	8.8
Intentional Self-Harm (Suicide)	2	26.6	2	23.7	6	17.8	16	28.2
Assault (Homicide)	0	0.0	0	0.0	2	5.9	1	1.8
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	5.9	1	1.8
All Other Causes (Residual)	15	199.7	8	94.6	65	193.0	81	142.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2017  
Table 69 (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	7	9.2	3	9.5	0	0.0	0	0.0
Total Deaths, All Causes	1,029	13.7	355	12.3	133	13.6	208	14.8
--Deaths Under One Year	4	5.3	1	3.2	0	0.0	0	0.0
--Deaths Under 28 Days	3	4.0	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	23	30.7	2	6.9	3	30.7	1	7.1
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	7.1
Malignant Neoplasms	194	258.6	67	232.8	27	276.2	38	270.6
--of Digestive Organs	41	54.7	14	48.6	7	71.6	8	57.0
----Colon	13	17.3	3	10.4	2	20.5	1	7.1
----Pancreas	9	12.0	1	3.5	1	10.2	4	28.5
--of Respiratory and Intrathoracic Organs	61	81.3	18	62.5	7	71.6	9	64.1
----Trachea, Bronchus and Lung	57	76.0	18	62.5	7	71.6	9	64.1
--of Breast	13	17.3	8	27.8	1	10.2	5	35.6
--of Genitourinary Organs	28	37.3	7	24.3	5	51.2	3	21.4
----Cervix Uteri	2	2.7	0	0.0	0	0.0	1	7.1
----Ovary	4	5.3	1	3.5	1	10.2	1	7.1
----Prostate	10	13.3	3	10.4	1	10.2	0	0.0
----Bladder	4	5.3	0	0.0	1	10.2	0	0.0
--All Other (Malignant Neoplasms)	51	68.0	20	69.5	7	71.6	13	92.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	4	5.3	3	10.4	0	0.0	1	7.1
Diabetes Mellitus	47	62.6	19	66.0	6	61.4	6	42.7
Dementia	26	34.7	10	34.7	5	51.2	9	64.1
Alzheimer's Disease	10	13.3	23	79.9	3	30.7	17	121.1
Major Cardiovascular Disease	325	433.2	120	416.9	32	327.4	57	405.9
--Diseases of the Heart	248	330.6	90	312.7	21	214.9	39	277.7
----Ischemic Heart Disease	195	259.9	65	225.8	12	122.8	27	192.3
--Essential Hypertension and Hypertensive Renal Disease	13	17.3	5	17.4	1	10.2	3	21.4
--Cerebrovascular Diseases (Stroke)	55	73.3	21	73.0	9	92.1	12	85.5
--Arteriosclerosis	1	1.3	1	3.5	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	8	10.7	3	10.4	1	10.2	3	21.4
Influenza and Pneumonia	15	20.0	5	17.4	3	30.7	5	35.6
--Influenza	1	1.3	1	3.5	0	0.0	0	0.0
--Pneumonia	14	18.7	4	13.9	3	30.7	5	35.6
Chronic Lower Respiratory Diseases	73	97.3	24	83.4	14	143.2	14	99.7
--Bronchitis, Emphysema and Asthma	2	2.7	2	6.9	1	10.2	0	0.0
Lung Diseases due to External Agents	6	8.0	0	0.0	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	16	21.3	7	24.3	2	20.5	3	21.4
Nephritis, Nephrotic Syndrome and Nephrosis	21	28.0	4	13.9	1	10.2	1	7.1
Congenital Malformations	6	8.0	0	0.0	0	0.0	2	14.2
Ill-Defined and Unknown Causes of Death	11	14.7	7	24.3	2	20.5	4	28.5
Accidents, All Forms	94	125.3	17	59.1	7	71.6	18	128.2
--Motor Vehicle	14	18.7	6	20.8	3	30.7	5	35.6
--Falls	11	14.7	3	10.4	1	10.2	4	28.5
--Drownings	1	1.3	0	0.0	0	0.0	3	21.4
--Smoke, Fires and Flames	2	2.7	0	0.0	0	0.0	0	0.0
--Poisonings	57	76.0	5	17.4	3	30.7	4	28.5
--Other Accidents	9	12.0	3	10.4	0	0.0	2	14.2
Intentional Self-Harm (Suicide)	10	13.3	5	17.4	1	10.2	3	21.4
Assault (Homicide)	3	4.0	0	0.0	0	0.0	2	14.2
Injury Undetermined Whether Accidental or Purposely Inflicted	2	2.7	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	143	190.6	42	145.9	27	276.2	26	185.1

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2017  
Table 69 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Summers		Taylor		Tucker		Tyler	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	9.8	1	7.1	0	0.0	1	13.0
Total Deaths, All Causes	232	17.9	191	11.3	76	11.0	105	11.9
--Deaths Under One Year	0	0.0	0	0.0	1	15.6	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	1	15.6	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	5	38.5	7	41.3	2	28.9	1	11.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	48	369.4	42	248.1	17	245.8	21	238.8
--of Digestive Organs	12	92.4	9	53.2	6	86.8	4	45.5
----Colon	5	38.5	2	11.8	1	14.5	0	0.0
----Pancreas	4	30.8	1	5.9	1	14.5	3	34.1
--of Respiratory and Intrathoracic Organs	15	115.4	17	100.4	3	43.4	4	45.5
----Trachea, Bronchus and Lung	15	115.4	16	94.5	2	28.9	2	22.7
--of Breast	2	15.4	0	0.0	0	0.0	3	34.1
--of Genitourinary Organs	5	38.5	7	41.3	1	14.5	2	22.7
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	1	5.9	0	0.0	2	22.7
----Prostate	1	7.7	2	11.8	0	0.0	0	0.0
----Bladder	1	7.7	1	5.9	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	14	107.8	9	53.2	7	101.2	8	91.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	1	11.4
Diabetes Mellitus	7	53.9	15	88.6	5	72.3	1	11.4
Dementia	8	61.6	1	5.9	4	57.8	3	34.1
Alzheimer's Disease	3	23.1	5	29.5	1	14.5	1	11.4
Major Cardiovascular Disease	72	554.1	60	354.4	19	274.8	36	409.3
--Diseases of the Heart	57	438.7	41	242.2	17	245.8	28	318.4
----Ischemic Heart Disease	38	292.5	25	147.7	10	144.6	17	193.3
--Essential Hypertension and Hypertensive Renal Disease	1	7.7	4	23.6	1	14.5	1	11.4
--Cerebrovascular Diseases (Stroke)	14	107.8	8	47.3	1	14.5	6	68.2
--Arteriosclerosis	0	0.0	2	11.8	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	5	29.5	0	0.0	1	11.4
Influenza and Pneumonia	7	53.9	2	11.8	3	43.4	3	34.1
--Influenza	0	0.0	0	0.0	1	14.5	0	0.0
--Pneumonia	7	53.9	2	11.8	2	28.9	3	34.1
Chronic Lower Respiratory Diseases	22	169.3	11	65.0	6	86.8	6	68.2
--Bronchitis, Emphysema and Asthma	0	0.0	1	5.9	0	0.0	0	0.0
Lung Diseases due to External Agents	2	15.4	0	0.0	1	14.5	1	11.4
--Coal Worker's Pneumoconiosis	1	7.7	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	8	61.6	2	11.8	2	28.9	1	11.4
Nephritis, Nephrotic Syndrome and Nephrosis	2	15.4	5	29.5	1	14.5	2	22.7
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	4	30.8	3	17.7	0	0.0	0	0.0
Accidents, All Forms	12	92.4	8	47.3	2	28.9	9	102.3
--Motor Vehicle	3	23.1	3	17.7	0	0.0	4	45.5
--Falls	1	7.7	1	5.9	1	14.5	2	22.7
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	14.5	1	11.4
--Poisonings	4	30.8	4	23.6	0	0.0	1	11.4
--Other Accidents	4	30.8	0	0.0	0	0.0	1	11.4
Intentional Self-Harm (Suicide)	7	53.9	1	5.9	1	14.5	0	0.0
Assault (Homicide)	1	7.7	3	17.7	1	14.5	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	2	15.4	1	5.9	0	0.0	0	0.0
All Other Causes (Residual)	22	169.3	25	147.7	11	159.1	19	216.0

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
Table 69 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Upshur		Wayne		Webster		Wetzel	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	8.6	5	13.3	2	27.8	0	0.0
Total Deaths, All Causes	293	12.0	554	13.8	129	15.4	251	16.3
--Deaths Under One Year	3	12.9	3	8.0	0	0.0	2	13.2
--Deaths Under 28 Days	2	8.6	2	5.3	0	0.0	1	6.6
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	7	28.6	9	22.4	1	11.9	5	32.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	80	327.0	106	264.0	36	430.0	51	330.4
--of Digestive Organs	18	73.6	22	54.8	10	119.4	15	97.2
----Colon	4	16.3	7	17.4	4	47.8	9	58.3
----Pancreas	7	28.6	3	7.5	5	59.7	2	13.0
--of Respiratory and Intrathoracic Organs	20	81.7	33	82.2	13	155.3	21	136.0
----Trachea, Bronchus and Lung	20	81.7	32	79.7	13	155.3	20	129.6
--of Breast	6	24.5	8	19.9	2	23.9	1	6.5
--of Genitourinary Organs	14	57.2	17	42.3	2	23.9	2	13.0
----Cervix Uteri	1	4.1	2	5.0	0	0.0	0	0.0
----Ovary	1	4.1	2	5.0	0	0.0	0	0.0
----Prostate	2	8.2	3	7.5	1	11.9	0	0.0
----Bladder	5	20.4	3	7.5	0	0.0	1	6.5
--All Other (Malignant Neoplasms)	22	89.9	26	64.8	9	107.5	12	77.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	8.2	2	5.0	0	0.0	1	6.5
Diabetes Mellitus	7	28.6	21	52.3	3	35.8	10	64.8
Dementia	12	49.0	21	52.3	3	35.8	8	51.8
Alzheimer's Disease	7	28.6	24	59.8	1	11.9	10	64.8
Major Cardiovascular Disease	76	310.6	131	326.3	33	394.2	73	472.9
--Diseases of the Heart	54	220.7	97	241.6	26	310.6	57	369.2
----Ischemic Heart Disease	35	143.1	60	149.4	18	215.0	35	226.7
--Essential Hypertension and Hypertensive Renal Disease	1	4.1	10	24.9	0	0.0	1	6.5
--Cerebrovascular Diseases (Stroke)	18	73.6	23	57.3	7	83.6	11	71.3
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	1	6.5
--Other Diseases of Arteries, Arterioles and Capillaries	3	12.3	1	2.5	0	0.0	3	19.4
Influenza and Pneumonia	4	16.3	6	14.9	2	23.9	14	90.7
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	4	16.3	6	14.9	2	23.9	14	90.7
Chronic Lower Respiratory Diseases	29	118.5	39	97.1	8	95.6	14	90.7
--Bronchitis, Emphysema and Asthma	0	0.0	3	7.5	0	0.0	0	0.0
Lung Diseases due to External Agents	3	12.3	2	5.0	2	23.9	2	13.0
--Coal Worker's Pneumoconiosis	0	0.0	1	2.5	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	16.3	9	22.4	1	11.9	2	13.0
Nephritis, Nephrotic Syndrome and Nephrosis	3	12.3	14	34.9	1	11.9	4	25.9
Congenital Malformations	2	8.2	2	5.0	0	0.0	1	6.5
Ill-Defined and Unknown Causes of Death	6	24.5	16	39.8	0	0.0	2	13.0
Accidents, All Forms	15	61.3	76	189.3	8	95.6	13	84.2
--Motor Vehicle	1	4.1	15	37.4	2	23.9	1	6.5
--Falls	6	24.5	7	17.4	1	11.9	2	13.0
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	11.9	1	6.5
--Poisonings	7	28.6	50	124.5	3	35.8	7	45.3
--Other Accidents	1	4.1	4	10.0	1	11.9	2	13.0
Intentional Self-Harm (Suicide)	4	16.3	8	19.9	1	11.9	2	13.0
Assault (Homicide)	2	8.2	2	5.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	4	10.0	0	0.0	0	0.0
All Other Causes (Residual)	30	122.6	62	154.4	29	346.4	39	252.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
Table 69 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Wirt		Wood		Wyoming		Total	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	2	2.2	2	10.4	107	5.7
Total Deaths, All Causes	67	11.6	1,094	12.9	344	16.2	23,290	12.8
--Deaths Under One Year	0	0.0	4	4.4	0	0.0	133	7.1
--Deaths Under 28 Days	0	0.0	4	4.4	0	0.0	78	4.2
Tuberculosis	0	0.0	0	0.0	1	4.7	1	0.1
Septicemia	2	34.5	14	16.5	11	51.9	375	20.7
Human Immunodeficiency Virus Infection	0	0.0	1	1.2	0	0.0	9	0.5
Malignant Neoplasms	16	276.1	235	276.1	67	315.9	4,658	256.5
--of Digestive Organs	3	51.8	59	69.3	11	51.9	1,101	60.6
----Colon	1	17.3	13	15.3	2	9.4	317	17.5
----Pancreas	0	0.0	12	14.1	3	14.1	278	15.3
--of Respiratory and Intrathoracic Organs	6	103.6	68	79.9	29	136.7	1,395	76.8
----Trachea, Bronchus and Lung	6	103.6	66	77.6	28	132.0	1,341	73.8
--of Breast	1	17.3	14	16.5	1	4.7	302	16.6
--of Genitourinary Organs	4	69.0	34	40.0	11	51.9	631	34.7
----Cervix Uteri	0	0.0	2	2.4	0	0.0	29	1.6
----Ovary	0	0.0	6	7.1	2	9.4	97	5.3
----Prostate	1	17.3	8	9.4	3	14.1	177	9.7
----Bladder	3	51.8	7	8.2	0	0.0	125	6.9
--All Other (Malignant Neoplasms)	2	34.5	60	70.5	15	70.7	1,229	67.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	8	9.4	1	4.7	122	6.7
Diabetes Mellitus	2	34.5	45	52.9	20	94.3	864	47.6
Dementia	0	0.0	56	65.8	9	42.4	904	49.8
Alzheimer's Disease	3	51.8	42	49.4	4	18.9	771	42.5
Major Cardiovascular Disease	22	379.7	321	377.2	86	405.5	6,487	357.2
--Diseases of the Heart	19	327.9	255	299.6	64	301.7	4,867	268.0
----Ischemic Heart Disease	15	258.9	174	204.5	53	249.9	3,302	181.8
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	17	20.0	5	23.6	324	17.8
--Cerebrovascular Diseases (Stroke)	3	51.8	43	50.5	15	70.7	1,058	58.3
--Arteriosclerosis	0	0.0	1	1.2	0	0.0	84	4.6
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	5	5.9	2	9.4	154	8.5
Influenza and Pneumonia	1	17.3	22	25.9	1	4.7	460	25.3
--Influenza	1	17.3	1	1.2	0	0.0	41	2.3
--Pneumonia	0	0.0	21	24.7	1	4.7	419	23.1
Chronic Lower Respiratory Diseases	5	86.3	81	95.2	33	155.6	1,679	92.5
--Bronchitis, Emphysema and Asthma	0	0.0	3	3.5	2	9.4	77	4.2
Lung Diseases due to External Agents	1	17.3	2	2.4	2	9.4	148	8.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	4.7	15	0.8
Chronic Liver Disease and Cirrhosis	1	17.3	10	11.8	9	42.4	338	18.6
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	9	10.6	11	51.9	436	24.0
Congenital Malformations	0	0.0	2	2.4	0	0.0	77	4.2
Ill-Defined and Unknown Causes of Death	2	34.5	11	12.9	3	14.1	406	22.4
Accidents, All Forms	3	51.8	57	67.0	21	99.0	1,880	103.5
--Motor Vehicle	2	34.5	14	16.5	5	23.6	337	18.6
--Falls	0	0.0	11	12.9	2	9.4	354	19.5
--Drownings	0	0.0	1	1.2	0	0.0	25	1.4
--Smoke, Fires and Flames	0	0.0	2	2.4	2	9.4	36	2.0
--Poisonings	1	17.3	21	24.7	10	47.1	974	53.6
--Other Accidents	0	0.0	8	9.4	2	9.4	155	8.5
Intentional Self-Harm (Suicide)	0	0.0	21	24.7	9	42.4	395	21.8
Assault (Homicide)	1	17.3	6	7.1	0	0.0	112	6.2
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	2.4	3	14.1	54	3.0
All Other Causes (Residual)	8	138.1	149	175.1	53	249.9	3,114	171.5

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
Table 70

County	Male-Female Marriages	Same-Sex Marriages	All Marriages	County	Male-Female Marriages	Same-Sex Marriages	All Marriages
Barbour	111	3	114	Monongalia	654	18	672
Berkeley	626	14	640	Monroe	75	0	75
Boone	133	1	134	Morgan	138	1	139
Braxton	83	0	83	Nicholas	178	1	179
Brooke	108	2	110	Ohio	289	4	293
Cabell	627	13	640	Pendleton	47	0	47
Calhoun	30	1	31	Pleasants	63	0	63
Clay	75	0	75	Pocahontas	58	0	58
Doddridge	52	0	52	Preston	170	1	171
Fayette	294	6	300	Putnam	332	7	339
Gilmer	44	1	45	Raleigh	463	7	470
Grant	84	1	85	Randolph	181	4	185
Greenbrier	223	3	226	Ritchie	68	1	69
Hampshire	99	1	100	Roane	87	1	88
Hancock	138	3	141	Summers	80	2	82
Hardy	79	2	81	Taylor	86	0	86
Harrison	441	4	445	Tucker	45	2	47
Jackson	165	2	167	Tyler	43	1	44
Jefferson	306	4	310	Upshur	159	4	163
Kanawha	1,159	30	1,189	Wayne	198	2	200
Lewis	122	3	125	Webster	64	0	64
Lincoln	126	0	126	Wetzel	84	0	84
Logan	252	1	253	Wirt	42	0	42
McDowell	123	4	127	Wood	544	5	549
Marion	359	6	365	Wyoming	161	1	162
Marshall	191	5	196				
Mason	148	0	148				
Mercer	450	9	459	Total	11,280	184	11,464
Mineral	153	3	156				
Mingo	170	0	170				

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

All Marriages by Month of Occurrence  
West Virginia by County, 2017  
Table 71

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	7	4	5	9	9	14	11	14	17	14	4	6	114
Berkeley	21	24	30	50	68	79	54	49	88	98	43	36	640
Boone	5	12	9	9	8	18	14	6	16	9	13	15	134
Braxton	3	2	4	2	9	9	7	13	12	10	6	6	83
Brooke	8	7	3	6	9	11	17	10	15	14	6	4	110
Cabell	35	44	54	40	64	81	53	60	76	59	40	34	640
Calhoun	3	0	3	1	3	1	4	3	5	6	2	0	31
Clay	0	3	4	2	6	10	5	5	11	10	8	11	75
Doddridge	1	2	0	6	2	5	9	3	13	4	2	5	52
Fayette	10	15	16	25	20	44	31	32	41	36	14	16	300
Gilmer	2	1	1	6	4	7	3	0	6	10	2	3	45
Grant	3	3	9	5	6	9	6	4	11	15	6	8	85
Greenbrier	12	6	13	17	26	20	23	32	30	24	8	15	226
Hampshire	0	8	3	4	8	11	11	11	13	19	7	5	100
Hancock	2	5	9	6	12	21	20	16	20	13	13	4	141
Hardy	2	4	2	7	11	12	7	8	11	8	4	5	81
Harrison	21	15	34	30	41	46	54	44	49	55	29	27	445
Jackson	10	10	9	13	18	14	19	17	18	21	10	8	167
Jefferson	17	17	21	22	29	37	24	20	47	43	15	18	310
Kanawha	54	61	85	79	124	131	109	98	132	158	92	66	1,189
Lewis	2	2	8	10	16	16	21	11	11	16	7	5	125
Lincoln	4	5	8	10	11	18	16	13	13	12	7	9	126
Logan	10	10	20	19	22	28	36	19	30	21	21	17	253
McDowell	7	7	8	10	10	13	15	10	10	10	14	13	127
Marion	16	14	20	14	34	52	43	40	52	42	18	20	365
Marshall	5	8	16	12	12	28	25	28	21	22	12	7	196
Mason	2	10	6	11	14	16	22	16	10	26	5	10	148
Mercer	18	19	35	35	44	46	56	43	49	49	24	41	459
Mineral	9	7	10	10	23	11	16	15	14	20	16	5	156
Mingo	12	9	14	13	9	21	20	9	17	16	15	15	170
Monongalia	14	19	36	37	67	75	99	67	89	87	38	44	672
Monroe	2	4	7	6	6	10	7	13	7	8	4	1	75
Morgan	5	1	7	10	12	16	13	10	19	22	11	13	139
Nicholas	10	6	12	15	9	26	21	22	17	22	8	11	179
Ohio	15	11	15	14	28	36	37	34	44	36	12	11	293
Pendleton	1	1	2	1	7	5	6	4	5	12	1	2	47
Pleasants	4	3	3	3	6	6	10	6	5	7	2	8	63
Pocahontas	0	0	4	2	6	8	8	2	11	9	2	6	58
Preston	4	12	5	12	21	22	25	17	20	17	7	9	171
Putnam	17	22	17	20	38	36	34	26	39	46	21	23	339
Raleigh	13	25	26	34	47	61	69	37	50	48	27	33	470
Randolph	4	7	6	8	14	26	28	20	28	23	10	11	185
Ritchie	0	3	7	6	7	6	12	9	6	6	6	1	69
Roane	2	2	2	6	10	13	8	7	11	13	6	8	88
Summers	2	3	5	4	7	12	7	8	13	10	5	6	82
Taylor	3	1	3	3	6	9	8	13	10	15	10	5	86
Tucker	2	2	4	2	4	6	9	5	5	4	3	1	47
Tyler	3	2	3	1	4	5	7	5	6	4	2	2	44
Upshur	5	6	7	11	14	16	18	25	20	26	5	10	163
Wayne	11	6	13	10	24	22	19	15	30	24	13	13	200
Webster	1	3	3	5	4	13	7	6	7	8	4	3	64
Wetzel	0	2	1	4	9	10	9	8	14	12	8	7	84
Wirt	1	0	1	2	4	4	10	1	5	7	2	5	42
Wood	24	26	29	38	64	61	58	53	72	64	30	30	549
Wyoming	11	6	12	12	12	25	16	12	18	20	5	13	162
Total	455	507	689	749	1,102	1,358	1,296	1,074	1,409	1,410	705	710	11,464

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Male-Female Marriages by Month of Occurrence  
West Virginia by County, 2017  
Table 72

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	7	4	5	9	9	14	10	14	16	13	4	6	111
Berkeley	17	24	30	49	68	78	53	48	86	97	42	34	626
Boone	5	12	9	9	8	17	14	6	16	9	13	15	133
Braxton	3	2	4	2	9	9	7	13	12	10	6	6	83
Brooke	7	7	3	6	9	11	17	10	15	13	6	4	108
Cabell	34	42	54	40	62	80	52	57	76	58	40	32	627
Calhoun	3	0	2	1	3	1	4	3	5	6	2	0	30
Clay	0	3	4	2	6	10	5	5	11	10	8	11	75
Doddridge	1	2	0	6	2	5	9	3	13	4	2	5	52
Fayette	8	15	16	25	20	44	31	32	40	35	12	16	294
Gilmer	2	1	1	6	3	7	3	0	6	10	2	3	44
Grant	3	3	9	4	6	9	6	4	11	15	6	8	84
Greenbrier	11	6	13	16	26	20	23	32	30	23	8	15	223
Hampshire	0	8	3	4	8	11	11	11	13	19	6	5	99
Hancock	2	4	9	4	12	21	20	16	20	13	13	4	138
Hardy	2	4	2	7	11	12	7	7	11	7	4	5	79
Harrison	21	15	33	30	41	46	53	44	49	54	29	26	441
Jackson	10	10	9	13	18	13	19	16	18	21	10	8	165
Jefferson	16	17	21	22	29	37	23	20	46	43	15	17	306
Kanawha	49	57	83	77	121	128	105	98	131	157	90	63	1,159
Lewis	2	2	8	10	16	14	21	11	11	15	7	5	122
Lincoln	4	5	8	10	11	18	16	13	13	12	7	9	126
Logan	10	10	20	19	21	28	36	19	30	21	21	17	252
McDowell	7	7	8	10	10	13	14	9	9	10	14	12	123
Marion	13	12	20	14	34	52	43	40	52	42	18	19	359
Marshall	5	8	14	12	11	28	25	28	20	21	12	7	191
Mason	2	10	6	11	14	16	22	16	10	26	5	10	148
Mercer	18	19	34	34	44	45	54	42	49	48	23	40	450
Mineral	9	7	9	10	23	11	16	15	14	19	15	5	153
Mingo	12	9	14	13	9	21	20	9	17	16	15	15	170
Monongalia	14	17	34	37	67	72	99	65	88	81	38	42	654
Monroe	2	4	7	6	6	10	7	13	7	8	4	1	75
Morgan	5	1	7	10	12	16	13	10	19	21	11	13	138
Nicholas	10	6	11	15	9	26	21	22	17	22	8	11	178
Ohio	12	11	15	14	28	36	37	34	43	36	12	11	289
Pendleton	1	1	2	1	7	5	6	4	5	12	1	2	47
Pleasants	4	3	3	3	6	6	10	6	5	7	2	8	63
Pocahontas	0	0	4	2	6	8	8	2	11	9	2	6	58
Preston	4	12	5	12	21	22	25	17	20	16	7	9	170
Putnam	16	21	17	20	38	35	34	26	38	43	21	23	332
Raleigh	13	25	26	33	47	59	69	37	48	46	27	33	463
Randolph	3	7	6	8	13	25	28	20	28	23	10	10	181
Ritchie	0	3	7	6	7	5	12	9	6	6	6	1	68
Roane	2	2	2	6	9	13	8	7	11	13	6	8	87
Summers	2	3	5	4	7	11	6	8	13	10	5	6	80
Taylor	3	1	3	3	6	9	8	13	10	15	10	5	86
Tucker	2	2	4	2	4	6	9	4	5	3	3	1	45
Tyler	3	2	3	1	4	5	7	5	6	3	2	2	43
Upshur	5	6	7	10	13	16	18	25	18	26	5	10	159
Wayne	11	6	13	10	24	22	18	15	30	23	13	13	198
Webster	1	3	3	5	4	13	7	6	7	8	4	3	64
Wetzel	0	2	1	4	9	10	9	8	14	12	8	7	84
Wirt	1	0	1	2	4	4	10	1	5	7	2	5	42
Wood	23	25	29	38	64	60	58	52	72	64	30	29	544
Wyoming	11	6	12	12	12	25	16	12	18	19	5	13	161
Total	431	494	678	739	1,091	1,338	1,282	1,062	1,394	1,380	697	694	11,280

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Number of Marriages by County  
West Virginia, 2013-2017  
Table 73

County	2013	2014	2015	2016	2017	County	2013	2014	2015	2016	2017
Barbour	105	94	93	92	114	Monongalia	663	688	695	603	672
Berkeley	666	631	634	647	640	Monroe	78	75	81	74	75
Boone	183	151	160	155	134	Morgan	104	106	102	119	139
Braxton	79	70	79	91	83	Nicholas	223	192	162	176	179
Brooke	124	133	132	113	110	Ohio	305	339	345	281	293
Cabell	634	765	808	752	640	Pendleton	37	45	37	43	47
Calhoun	46	51	44	50	31	Pleasants	60	54	67	56	63
Clay	67	70	66	66	75	Pocahontas	57	65	58	59	58
Doddridge	35	56	62	53	52	Preston	182	203	169	177	171
Fayette	306	315	325	289	300	Putnam	344	344	364	327	339
Gilmer	45	42	48	56	45	Raleigh	567	524	498	471	470
Grant	71	84	70	68	85	Randolph	205	197	184	169	185
Greenbrier	199	210	233	244	226	Ritchie	54	66	83	59	69
Hampshire	100	98	101	90	100	Roane	115	96	112	93	88
Hancock	205	185	161	152	141	Summers	83	87	69	70	82
Hardy	88	108	101	105	81	Taylor	107	92	104	100	86
Harrison	497	489	486	424	445	Tucker	69	64	64	48	47
Jackson	207	219	223	178	167	Tyler	71	61	49	51	44
Jefferson	325	295	338	326	310	Upshur	199	163	187	166	163
Kanawha	1,324	1,245	1,194	1,280	1,189	Wayne	202	220	217	221	200
Lewis	131	136	116	97	125	Webster	66	71	59	62	64
Lincoln	151	139	123	156	126	Wetzel	112	99	89	86	84
Logan	235	296	300	248	253	Wirt	43	47	40	35	42
McDowell	134	120	135	117	127	Wood	633	635	653	592	549
Marion	381	435	408	371	365	Wyoming	165	158	153	131	162
Marshall	256	243	223	219	196						
Mason	172	168	179	147	148						
Mercer	482	493	462	444	459	Total	12,382	12,356	12,296	11,664	11,464
Mineral	175	156	165	180	156						
Mingo	215	168	186	185	170						

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Note: All marriages regardless of gender.



Divorces and Annulments by County of Occurrence  
Male-Female, Same-Sex and All Divorces and Annulments  
West Virginia, 2017  
Table 74

County	Male-Female			Same-Sex			All Divorces		
	Divorce	Annulment	Total	Divorces	Annulments	Total	Divorces	Annulments	Total
Barbour	43	0	43	0	0	0	43	0	43
Berkeley	62	0	62	0	0	0	62	0	62
Boone	113	0	113	0	0	0	113	0	113
Braxton	27	0	27	0	0	0	27	0	27
Brooke	78	0	78	2	0	2	80	0	80
Cabell	392	0	392	8	0	8	400	0	400
Calhoun	49	0	49	0	0	0	49	0	49
Clay	38	0	38	0	0	0	38	0	38
Doddridge	44	0	44	0	0	0	44	0	44
Fayette	187	3	187	0	0	0	184	3	187
Gilmer	21	0	21	0	0	0	21	0	21
Grant	55	0	55	0	0	0	55	0	55
Greenbrier	69	0	69	0	0	0	69	0	69
Hampshire	54	0	54	0	0	0	54	0	54
Hancock	85	0	85	0	0	0	85	0	85
Hardy	81	0	81	1	0	1	82	0	82
Harrison	237	0	237	0	0	0	237	0	237
Jackson	110	0	110	0	0	0	110	0	110
Jefferson	163	1	164	0	0	0	163	1	164
Kanawha	677	0	677	6	0	6	683	0	683
Lewis	64	0	64	1	0	1	65	0	65
Lincoln	98	0	98	1	0	1	99	0	99
Logan	226	1	227	2	0	2	228	1	229
McDowell	98	1	98	0	0	0	97	1	98
Marion	63	0	63	0	0	0	63	0	63
Marshall	77	0	77	1	0	1	78	0	78
Mason	89	0	89	0	0	0	89	0	89
Mercer	214	0	214	3	0	3	217	0	217
Mineral	93	0	93	1	0	1	94	0	94
Mingo	117	0	117	0	0	0	117	0	117
Monongalia	182	0	182	6	0	6	188	0	188
Monroe	15	0	15	0	0	0	15	0	15
Morgan	59	0	59	0	0	0	59	0	59
Nicholas	152	0	152	0	0	0	152	0	152
Ohio	135	0	135	0	0	0	135	0	135
Pendleton	20	0	20	0	0	0	20	0	20
Pleasants	38	0	38	0	0	0	38	0	38
Pocahontas	22	0	22	0	0	0	22	0	22
Preston	138	0	138	0	0	0	138	0	138
Putnam	186	0	187	0	0	0	186	1	187
Raleigh	407	1	408	5	0	5	412	1	413
Randolph	148	0	148	3	0	3	151	0	151
Ritchie	25	0	25	0	0	0	25	0	25
Summers	54	0	54	1	0	1	55	0	55
Taylor	46	0	46	0	0	0	46	0	46
Tucker	26	0	26	1	0	1	27	0	27
Tyler	38	0	38	0	0	0	38	0	38
Upshur	126	0	126	0	0	0	126	0	126
Wayne	196	0	196	2	0	2	198	0	198
Webster	47	2	49	0	0	0	47	2	49
Wetzel	42	0	42	0	0	0	42	0	42
Wirt	35	0	35	0	0	0	35	0	35
Wood	376	2	378	3	0	3	379	2	381
Wyoming	117	0	117	0	0	0	117	0	117
Total	6,432	12	6,444	48	0	48	6,480	12	6,492

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

All Divorces and Annulments by Month of Occurrence  
West Virginia by County, 2016  
Table 75

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	0	0	0	0	8	6	3	8	2	3	1	12	43
Berkeley	22	40	0	0	0	0	0	0	0	0	0	0	62
Boone	4	14	14	10	10	12	7	5	10	7	10	10	113
Braxton	0	3	3	5	8	4	4	0	0	0	0	0	27
Brooke	10	5	5	11	9	4	8	9	5	11	3	0	80
Cabell	55	41	39	27	29	32	9	38	37	37	32	24	400
Calhoun	5	0	3	8	10	3	1	5	1	7	4	2	49
Clay	2	3	4	5	1	2	1	3	2	5	6	4	38
Doddridge	2	3	4	3	2	6	2	5	4	4	4	5	44
Fayette	16	23	14	12	26	3	7	13	17	15	11	30	187
Gilmer	2	6	5	3	0	0	0	1	0	1	1	2	21
Grant	2	6	5	2	4	9	6	6	4	2	6	3	55
Greenbrier	13	14	5	0	6	10	7	14	0	0	0	0	69
Hampshire	5	2	5	8	6	0	7	0	7	0	9	5	54
Hancock	9	8	5	6	9	9	5	6	4	7	4	13	85
Hardy	11	3	6	7	6	9	5	11	7	4	8	5	82
Harrison	23	21	31	19	18	18	22	0	20	15	26	24	237
Jackson	6	7	13	10	5	17	4	10	10	12	7	9	110
Jefferson	10	6	14	11	0	19	13	19	22	12	15	23	164
Kanawha	57	94	89	83	81	65	0	63	0	0	94	57	683
Lewis	2	3	23	9	7	0	6	0	0	10	0	5	65
Lincoln	5	9	0	13	14	8	12	10	6	10	5	7	99
Logan	26	14	25	14	53	29	6	16	11	4	13	18	229
McDowell	7	11	15	4	9	4	6	8	11	9	14	0	98
Marion	0	0	0	0	27	3	17	0	0	0	0	16	63
Marshall	7	9	14	2	0	0	8	10	11	8	1	8	78
Mason	16	5	8	16	0	10	6	4	12	0	12	0	89
Mercer	36	16	30	25	40	15	34	21	0	0	0	0	217
Mineral	7	8	11	10	10	10	11	8	1	11	7	0	94
Mingo	9	3	17	12	10	12	4	26	9	0	9	6	117
Monongalia	18	0	25	25	25	0	0	21	19	22	16	17	188
Monroe	3	2	1	9	0	0	0	0	0	0	0	0	15
Morgan	6	7	4	3	3	7	6	2	5	6	7	3	59
Nicholas	11	15	25	17	14	9	8	19	6	6	10	12	152
Ohio	18	10	6	11	12	8	16	21	6	8	12	7	135
Pendleton	2	2	1	0	2	2	0	3	3	4	1	0	20
Pleasants	2	4	2	3	3	5	1	5	4	6	0	3	38
Pocahontas	0	0	4	1	2	3	1	4	2	1	3	1	22
Preston	9	14	8	18	9	12	13	21	6	6	7	15	138
Putnam	28	0	21	23	0	0	25	25	19	20	13	13	187
Raleigh	25	30	41	31	27	38	29	43	45	34	39	31	413
Randolph	7	19	13	17	9	5	15	11	16	8	19	12	151
Ritchie	0	3	5	2	3	0	0	1	0	4	2	5	25
Roane	5	9	10	5	9	8	2	6	9	4	6	10	83
Summers	2	4	6	7	5	7	2	10	3	2	4	3	55
Taylor	5	6	2	4	4	1	0	11	3	2	0	8	46
Tucker	2	1	2	3	1	1	2	0	6	0	8	1	27
Tyler	5	5	2	2	6	0	1	3	4	2	5	3	38
Upshur	6	6	9	14	15	5	9	14	19	7	10	12	126
Wayne	5	15	20	22	15	20	10	19	14	14	23	21	198
Webster	5	5	6	0	3	6	2	7	2	4	6	3	49
Wetzel	9	0	1	1	4	0	10	3	3	2	6	3	42
Wirt	6	1	2	3	3	1	5	4	3	4	3	0	35
Wood	28	32	42	27	42	29	30	18	46	27	17	43	381
Wyoming	7	3	12	9	11	7	8	16	16	8	11	9	117
Total	583	570	677	592	635	493	416	606	472	395	530	523	6,492

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Male-Female Divorces and Annulments by Month of Occurrence  
West Virginia by County, 2017  
Table 76

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	0	0	0	0	8	6	3	8	2	3	1	12	43
Berkeley	22	40	0	0	0	0	0	0	0	0	0	0	62
Boone	4	14	14	10	10	12	7	5	10	7	10	10	113
Braxton	0	3	3	5	8	4	4	0	0	0	0	0	27
Brooke	10	5	5	11	9	4	8	8	4	11	3	0	78
Cabell	55	41	39	27	27	31	9	37	34	37	31	24	392
Calhoun	5	0	3	8	10	3	1	5	1	7	4	2	49
Clay	2	3	4	5	1	2	1	3	2	5	6	4	38
Doddridge	2	3	4	3	2	6	2	5	4	4	4	5	44
Fayette	16	23	14	12	26	3	7	13	17	15	11	30	187
Gilmer	2	6	5	3	0	0	0	1	0	1	1	2	21
Grant	2	6	5	2	4	9	6	6	4	2	6	3	55
Greenbrier	13	14	5	0	6	10	7	14	0	0	0	0	69
Hampshire	5	2	5	8	6	0	7	0	7	0	9	5	54
Hancock	9	8	5	6	9	9	5	6	4	7	4	13	85
Hardy	11	3	6	7	6	8	5	11	7	4	8	5	81
Harrison	23	21	31	19	18	18	22	0	20	15	26	24	237
Jackson	6	7	13	10	5	17	4	10	10	12	7	9	110
Jefferson	10	6	14	11	0	19	13	19	22	12	15	23	164
Kanawha	57	94	89	83	77	64	0	63	0	0	94	56	677
Lewis	2	3	23	9	7	0	5	0	0	10	0	5	64
Lincoln	5	9	0	13	14	8	12	9	6	10	5	7	98
Logan	26	14	25	14	52	29	6	16	11	4	12	18	227
McDowell	7	11	15	4	9	4	6	8	11	9	14	0	98
Marion	0	0	0	0	27	3	17	0	0	0	0	16	63
Marshall	7	9	14	2	0	0	8	9	11	8	1	8	77
Mason	16	5	8	16	0	10	6	4	12	0	12	0	89
Mercer	36	16	30	25	39	15	32	21	0	0	0	0	214
Mineral	7	8	11	10	10	10	11	8	1	11	6	0	93
Mingo	9	3	17	12	10	12	4	26	9	0	9	6	117
Monongalia	18	0	25	25	24	0	0	21	18	20	15	16	182
Monroe	3	2	1	9	0	0	0	0	0	0	0	0	15
Morgan	6	7	4	3	3	7	6	2	5	6	7	3	59
Nicholas	11	15	25	17	14	9	8	19	6	6	10	12	152
Ohio	18	10	6	11	12	8	16	21	6	8	12	7	135
Pendleton	2	2	1	0	2	2	0	3	3	4	1	0	20
Pleasants	2	4	2	3	3	5	1	5	4	6	0	3	38
Pocahontas	0	0	4	1	2	3	1	4	2	1	3	1	22
Preston	9	14	8	18	9	12	13	21	6	6	7	15	138
Putnam	28	0	21	23	0	0	25	25	19	20	13	13	187
Raleigh	25	30	41	31	27	37	29	43	45	34	36	30	408
Randolph	7	19	13	17	9	5	15	10	15	8	18	12	148
Ritchie	0	3	5	2	3	0	0	1	0	4	2	5	25
Roane	5	9	10	5	9	8	2	6	8	4	6	10	82
Summers	2	4	6	7	5	7	2	10	2	2	4	3	54
Taylor	5	6	2	4	4	1	0	11	3	2	0	8	46
Tucker	2	1	2	3	1	1	2	0	6	0	7	1	26
Tyler	5	5	2	2	6	0	1	3	4	2	5	3	38
Upshur	6	6	9	14	15	5	9	14	19	7	10	12	126
Wayne	5	15	20	22	14	20	10	19	14	14	22	21	196
Webster	5	5	6	0	3	6	2	7	2	4	6	3	49
Wetzel	9	0	1	1	4	0	10	3	3	2	6	3	42
Wirt	6	1	2	3	3	1	5	4	3	4	3	0	35
Wood	28	32	42	27	42	27	30	18	46	27	17	42	378
Wyoming	7	3	12	9	11	7	8	16	16	8	11	9	117
Total	583	570	677	592	625	487	413	601	464	393	520	519	6,444

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Divorces and Annulments by County of Occurrence  
West Virginia, 2013-2017  
Table 77

County	2013	2014	2015	2016	2017	County	2013	2014	2015	2016	2017
Barbour	79	69	5	0	43	Monongalia	245	229	223	167	188
Berkeley	436	451	437	398	62	Monroe	63	60	79	45	15
Boone	117	123	85	70	113	Morgan	68	62	38	59	59
Braxton	65	49	40	55	27	Nicholas	179	157	145	125	152
Brooke	106	74	80	85	80	Ohio	128	123	103	110	135
Cabell	422	322	404	384	400	Pendleton	23	38	24	31	20
Calhoun	40	35	41	32	49	Pleasants	40	19	33	26	38
Clay	90	52	67	58	38	Pocahontas	38	28	39	28	22
Doddridge	30	25	33	31	44	Preston	130	131	126	97	138
Fayette	215	212	254	189	187	Putnam	321	257	289	274	187
Gilmer	33	27	20	26	21	Raleigh	435	429	329	405	413
Grant	66	45	50	60	55	Randolph	87	78	56	73	151
Greenbrier	152	102	52	101	69	Ritchie	40	51	42	37	25
Hampshire	90	99	84	96	54	Roane	73	63	72	81	83
Hancock	125	108	105	101	85	Summers	74	66	61	49	55
Hardy	62	73	61	53	82	Taylor	73	76	82	63	46
Harrison	300	239	254	253	237	Tucker	20	31	34	27	27
Jackson	102	89	114	125	110	Tyler	50	35	37	37	38
Jefferson	217	175	169	145	164	Upshur	144	128	131	99	126
Kanawha	919	902	737	761	683	Wayne	235	240	208	197	198
Lewis	80	72	79	74	65	Webster	51	55	47	58	49
Lincoln	134	136	98	114	99	Wetzel	71	64	59	51	42
Logan	216	184	192	166	230	Wirt	30	25	35	19	35
McDowell	69	87	79	97	98	Wood	479	394	434	390	381
Marion	213	239	179	33	63	Wyoming	139	135	149	108	117
Marshall	139	149	119	106	79						
Mason	148	108	142	113	89						
Mercer	366	394	377	374	217	Total	8,547	7,789	7,523	7,038	6,494
Mineral	102	106	90	129	94						
Mingo	178	69	201	153	117						

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

Note: All divorces regardless of gender.



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

Number and Rate of Births by City of Residence  
West Virginia, 2017  
Table 75

30 Most Populated Cities	2017 Population Estimate*	Resident Births	Rate per 1,000 Population
Beckley	16,963	175	10.3
Bluefield	10,144	116	11.4
Bridgeport	8,382	80	9.5
Buckhannon	5,596	49	8.8
Charles Town	5,766	85	14.7
Charleston	49,384	551	11.2
Clarksburg	15,963	208	13.0
Dunbar	7,571	70	9.2
Elkins	7,154	79	11.0
Fairmont	18,575	234	12.6
Grafton	5,118	41	8.0
Huntington	48,034	525	10.9
Hurricane	6,450	65	10.1
Keyser	5,183	50	9.6
Martinsburg	17,451	240	13.8
Morgantown	30,099	211	7.0
Moundsville	8,737	97	11.1
New Martinsville	5,222	48	9.2
Nitro	6,534	57	8.7
Oak Hill	8,565	78	9.1
Parkersburg	30,596	364	11.9
Point Pleasant	4,218	57	13.5
Princeton	5,967	75	12.6
Ranson	4,945	94	19.0
Saint Albans	10,600	119	11.2
South Charleston	12,902	159	12.3
Vienna	10,547	101	9.6
Weirton	19,081	173	9.1
Weston	4,040	46	11.4
Wheeling	27,521	256	9.3

\*Census Population Estimates for Incorporated Places in WV

Source: Population Division, U.S. Census Bureau - Release Date: July 1, 2017

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2022

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2017  
Table 79

Selected Causes of Death	Number and Rate by City					
	Beckley		Bluefield		Bridgeport	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	6	34.3	6	51.7	0	0.0
Total Deaths, All Causes	254	15.0	158	15.6	109	13.0
--Deaths Under One Year	1	5.7	2	17.2	1	12.5
--Deaths Under 28 Days	0	0.0	2	17.2	1	12.5
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	11	64.8	1	9.9	1	11.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	43	253.5	31	305.6	18	214.7
--of Digestive Organs	4	23.6	7	69.0	1	11.9
----Colon	1	5.9	2	19.7	0	0.0
----Pancreas	0	0.0	1	9.9	1	11.9
--of Respiratory and Intrathoracic Organs	12	70.7	11	108.4	6	71.6
----Trachea, Bronchus and Lung	11	64.8	10	98.6	6	71.6
--of Breast	7	41.3	1	9.9	2	23.9
--of Genitourinary Organs	10	59.0	4	39.4	5	59.7
----Cervix Uteri	1	5.9	0	0.0	0	0.0
----Ovary	1	5.9	2	19.7	1	11.9
----Prostate	3	17.7	1	9.9	2	23.9
----Bladder	1	5.9	0	0.0	1	11.9
--All Other (Malignant Neoplasms)	10	59.0	8	78.9	4	47.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	5.9	1	9.9	3	35.8
Diabetes Mellitus	12	70.7	6	59.1	3	35.8
Dementia	8	47.2	6	59.1	5	59.7
Alzheimer's Disease	2	11.8	4	39.4	8	95.4
Major Cardiovascular Disease	74	436.2	37	364.7	33	393.7
--Diseases of the Heart	55	324.2	31	305.6	20	238.6
----Ischemic Heart Disease	45	265.3	23	226.7	12	143.2
--Essential Hypertension and Hypertensive Renal Disease	3	17.7	1	9.9	0	0.0
--Cerebrovascular Diseases (Stroke)	14	82.5	5	49.3	7	83.5
--Arteriosclerosis	1	5.9	0	0.0	6	71.6
--Other Diseases of Arteries, Arterioles and Capillaries	1	5.9	0	0.0	0	0.0
Influenza and Pneumonia	6	35.4	8	78.9	3	35.8
--Influenza	0	0.0	1	9.9	0	0.0
--Pneumonia	6	35.4	7	69.0	3	35.8
Chronic Lower Respiratory Diseases	17	100.2	14	138.0	6	71.6
--Bronchitis, Emphysema and Asthma	0	0.0	1	9.9	0	0.0
Lung Diseases due to External Agents	2	11.8	2	19.7	1	11.9
--Coal Worker's Pneumoconiosis	0	0.0	1	9.9	0	0.0
Chronic Liver Disease and Cirrhosis	5	29.5	2	19.7	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	6	35.4	1	9.9	0	0.0
Congenital Malformations	2	11.8	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	5.9	2	19.7	2	23.9
Accidents, All Forms	32	188.6	12	118.3	3	35.8
--Motor Vehicle	1	5.9	1	9.9	1	11.9
--Falls	2	11.8	4	39.4	0	0.0
--Drownings	1	5.9	0	0.0	0	0.0
--Smoke, Fires and Flames	1	5.9	0	0.0	1	11.9
--Poisonings	24	141.5	5	49.3	1	11.9
--Other Accidents	3	17.7	2	19.7	0	0.0
Intentional Self-Harm (Suicide)	1	5.9	5	49.3	2	23.9
Assault (Homicide)	1	5.9	1	9.9	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	9.9	0	0.0
All Other Causes (Residual)	30	176.9	24	236.6	21	250.5

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
Table 79 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Buckhannon		Charles Town		Charleston	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	40.8	1	11.8	6	10.9
Total Deaths, All Causes	67	12.0	39	6.8	622	12.6
--Deaths Under One Year	0	0.0	0	0.0	2	3.6
--Deaths Under 28 Days	0	0.0	0	0.0	1	1.8
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	1	17.9	0	0.0	16	32.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	2	4.0
Malignant Neoplasms	15	268.0	8	138.7	110	222.7
--of Digestive Organs	3	53.6	0	0.0	24	48.6
----Colon	1	17.9	0	0.0	5	10.1
----Pancreas	1	17.9	0	0.0	6	12.1
--of Respiratory and Intrathoracic Organs	7	125.1	2	34.7	28	56.7
----Trachea, Bronchus and Lung	7	125.1	2	34.7	27	54.7
--of Breast	0	0.0	0	0.0	6	12.1
--of Genitourinary Organs	2	35.7	1	17.3	15	30.4
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	2	4.0
----Prostate	1	17.9	1	17.3	5	10.1
----Bladder	0	0.0	0	0.0	6	12.1
--All Other (Malignant Neoplasms)	3	53.6	5	86.7	37	74.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	3	6.1
Diabetes Mellitus	0	0.0	0	0.0	18	36.4
Dementia	1	17.9	1	17.3	39	79.0
Alzheimer's Disease	2	35.7	0	0.0	31	62.8
Major Cardiovascular Disease	16	285.9	13	225.5	163	330.1
--Diseases of the Heart	10	178.7	12	208.1	115	232.9
----Ischemic Heart Disease	6	107.2	7	121.4	80	162.0
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	0	0.0	8	16.2
--Cerebrovascular Diseases (Stroke)	5	89.3	1	17.3	33	66.8
--Arteriosclerosis	0	0.0	0	0.0	2	4.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	17.9	0	0.0	5	10.1
Influenza and Pneumonia	1	17.9	0	0.0	14	28.3
--Influenza	0	0.0	0	0.0	4	8.1
--Pneumonia	1	17.9	0	0.0	10	20.2
Chronic Lower Respiratory Diseases	9	160.8	7	121.4	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	0	0.0	2	4.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	35.7	2	34.7	9	18.2
Nephritis, Nephrotic Syndrome and Nephrosis	2	35.7	0	0.0	18	36.4
Congenital Malformations	1	17.9	0	0.0	1	2.0
Ill-Defined and Unknown Causes of Death	2	35.7	0	0.0	11	22.3
Accidents, All Forms	5	89.3	6	104.1	67	135.7
--Motor Vehicle	1	17.9	2	34.7	4	8.1
--Falls	3	53.6	0	0.0	14	28.3
--Drownings	0	0.0	0	0.0	1	2.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	1	17.9	4	69.4	42	85.0
--Other Accidents	0	0.0	0	0.0	6	12.1
Intentional Self-Harm (Suicide)	3	53.6	0	0.0	8	16.2
Assault (Homicide)	0	0.0	0	0.0	4	8.1
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	7	125.1	2	34.7	80	162.0

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2017  
Table 79 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Clarksburg		Dunbar		Elkins	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	4.8	0	0.0	3	38.0
Total Deaths, All Causes	226	14.2	125	16.5	95	13.3
--Deaths Under One Year	3	14.4	1	14.3	0	0.0
--Deaths Under 28 Days	1	4.8	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	4	25.1	2	26.4	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	25	156.6	16	211.3	19	265.6
--of Digestive Organs	7	43.9	5	66.0	4	55.9
----Colon	1	6.3	2	26.4	1	14.0
----Pancreas	4	25.1	2	26.4	0	0.0
--of Respiratory and Intrathoracic Organs	6	37.6	7	92.5	4	55.9
----Trachea, Bronchus and Lung	5	31.3	7	92.5	4	55.9
--of Breast	2	12.5	0	0.0	2	28.0
--of Genitourinary Organs	4	25.1	0	0.0	1	14.0
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	1	6.3	0	0.0	0	0.0
----Prostate	0	0.0	0	0.0	0	0.0
----Bladder	2	12.5	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	6	37.6	4	52.8	8	111.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	6.3	1	13.2	0	0.0
Diabetes Mellitus	5	31.3	6	79.2	6	83.9
Dementia	3	18.8	4	52.8	2	28.0
Alzheimer's Disease	4	25.1	8	105.7	7	97.8
Major Cardiovascular Disease	70	438.5	40	528.3	33	461.3
--Diseases of the Heart	52	325.8	29	383.0	26	363.4
----Ischemic Heart Disease	42	263.1	24	317.0	20	279.6
--Essential Hypertension and Hypertensive Renal Disease	2	12.5	1	13.2	2	28.0
--Cerebrovascular Diseases (Stroke)	5	31.3	9	118.9	4	55.9
--Arteriosclerosis	9	56.4	0	0.0	1	14.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	12.5	1	13.2	0	0.0
Influenza and Pneumonia	5	31.3	4	52.8	2	28.0
--Influenza	2	12.5	0	0.0	1	14.0
--Pneumonia	3	18.8	4	52.8	1	14.0
Chronic Lower Respiratory Diseases	27	169.1	8	105.7	6	83.9
--Bronchitis, Emphysema and Asthma	2	12.5	0	0.0	1	14.0
Lung Diseases due to External Agents	3	18.8	2	26.4	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	7	43.9	2	26.4	2	28.0
Nephritis, Nephrotic Syndrome and Nephrosis	7	43.9	4	52.8	2	28.0
Congenital Malformations	3	18.8	1	13.2	0	0.0
Ill-Defined and Unknown Causes of Death	9	56.4	3	39.6	1	14.0
Accidents, All Forms	14	87.7	10	132.1	3	41.9
--Motor Vehicle	1	6.3	0	0.0	0	0.0
--Falls	2	12.5	4	52.8	1	14.0
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	8	50.1	6	79.2	2	28.0
--Other Accidents	3	18.8	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	8	50.1	1	13.2	1	14.0
Assault (Homicide)	1	6.3	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)	30	187.9	12	158.5	11	153.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2017  
Table 79 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Fairmont		Grafton		Huntington	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	8.5	1	24.4	3	5.7
Total Deaths, All Causes	258	13.9	78	15.2	789	16.4
--Deaths Under One Year	0	0.0	0	0.0	5	9.5
--Deaths Under 28 Days	0	0.0	0	0.0	1	1.9
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	4	21.5	3	58.6	9	18.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	45	242.3	15	293.1	116	241.5
--of Digestive Organs	8	43.1	4	78.2	23	47.9
----Colon	1	5.4	1	19.5	4	8.3
----Pancreas	3	16.2	1	19.5	3	6.2
--of Respiratory and Intrathoracic Organs	11	59.2	6	117.2	36	74.9
----Trachea, Bronchus and Lung	11	59.2	6	117.2	35	72.9
--of Breast	4	21.5	0	0.0	9	18.7
--of Genitourinary Organs	7	37.7	3	58.6	17	35.4
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	1	5.4	1	19.5	2	4.2
----Prostate	3	16.2	0	0.0	4	8.3
----Bladder	1	5.4	1	19.5	5	10.4
--All Other (Malignant Neoplasms)	15	80.8	2	39.1	31	64.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	5.4	0	0.0	2	4.2
Diabetes Mellitus	13	70.0	8	156.3	33	68.7
Dementia	7	37.7	1	19.5	46	95.8
Alzheimer's Disease	3	16.2	2	39.1	20	41.6
Major Cardiovascular Disease	96	516.8	20	390.8	145	301.9
--Diseases of the Heart	82	441.5	16	312.6	99	206.1
----Ischemic Heart Disease	54	290.7	9	175.8	60	124.9
--Essential Hypertension and Hypertensive Renal Disease	6	32.3	1	19.5	9	18.7
--Cerebrovascular Diseases (Stroke)	5	26.9	1	19.5	29	60.4
--Arteriosclerosis	1	5.4	0	0.0	1	2.1
--Other Diseases of Arteries, Arterioles and Capillaries	2	10.8	2	39.1	7	14.6
Influenza and Pneumonia	5	26.9	2	39.1	8	16.7
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	5	26.9	2	39.1	8	16.7
Chronic Lower Respiratory Diseases	17	91.5	6	117.2	58	120.7
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	3	6.2
Lung Diseases due to External Agents	1	5.4	0	0.0	7	14.6
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	7	37.7	0	0.0	10	20.8
Nephritis, Nephrotic Syndrome and Nephrosis	3	16.2	3	58.6	15	31.2
Congenital Malformations	0	0.0	0	0.0	2	4.2
Ill-Defined and Unknown Causes of Death	2	10.8	0	0.0	30	62.5
Accidents, All Forms	11	59.2	4	78.2	147	306.0
--Motor Vehicle	2	10.8	1	19.5	8	16.7
--Falls	4	21.5	1	19.5	16	33.3
--Drownings	0	0.0	0	0.0	1	2.1
--Smoke, Fires and Flames	1	5.4	0	0.0	0	0.0
--Poisonings	4	21.5	2	39.1	115	239.4
--Other Accidents	0	0.0	0	0.0	7	14.6
Intentional Self-Harm (Suicide)	3	16.2	1	19.5	10	20.8
Assault (Homicide)	0	0.0	0	0.0	13	27.1
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	4.2
All Other Causes (Residual)	40	215.3	13	254.0	116	241.5

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2017  
Table 79 (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	5	20.8
Total Deaths, All Causes	84	13.0	73	14.1	209	12.0
--Deaths Under One Year	0	0.0	0	0.0	2	8.3
--Deaths Under 28 Days	0	0.0	0	0.0	2	8.3
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	2	38.6	5	28.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	19	294.6	18	347.3	33	189.1
--of Digestive Organs	6	93.0	4	77.2	10	57.3
----Colon	3	46.5	2	38.6	5	28.7
----Pancreas	1	15.5	0	0.0	3	17.2
--of Respiratory and Intrathoracic Organs	7	108.5	8	154.4	8	45.8
----Trachea, Bronchus and Lung	6	93.0	7	135.1	8	45.8
--of Breast	0	0.0	2	38.6	2	11.5
--of Genitourinary Organs	3	46.5	2	38.6	5	28.7
----Cervix Uteri	0	0.0	0	0.0	1	5.7
----Ovary	0	0.0	0	0.0	0	0.0
----Prostate	3	46.5	1	19.3	0	0.0
----Bladder	0	0.0	1	19.3	4	22.9
--All Other (Malignant Neoplasms)	3	46.5	2	38.6	8	45.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	1	5.7
Diabetes Mellitus	3	46.5	3	57.9	7	40.1
Dementia	1	15.5	1	19.3	11	63.0
Alzheimer's Disease	3	46.5	3	57.9	3	17.2
Major Cardiovascular Disease	30	465.1	23	443.8	43	246.4
--Diseases of the Heart	23	356.6	17	328.0	28	160.4
----Ischemic Heart Disease	15	232.6	13	250.8	22	126.1
--Essential Hypertension and Hypertensive Renal Disease	2	31.0	0	0.0	1	5.7
--Cerebrovascular Diseases (Stroke)	4	62.0	5	96.5	12	68.8
--Arteriosclerosis	0	0.0	1	19.3	1	5.7
--Other Diseases of Arteries, Arterioles and Capillaries	1	15.5	0	0.0	1	5.7
Influenza and Pneumonia	2	31.0	2	38.6	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	2	31.0	2	38.6	0	0.0
Chronic Lower Respiratory Diseases	2	31.0	7	135.1	11	63.0
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	5.7
Lung Diseases due to External Agents	1	15.5	0	0.0	2	11.5
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	5	28.7
Nephritis, Nephrotic Syndrome and Nephrosis	1	15.5	3	57.9	4	22.9
Congenital Malformations	0	0.0	0	0.0	1	5.7
Ill-Defined and Unknown Causes of Death	1	15.5	0	0.0	6	34.4
Accidents, All Forms	9	139.5	1	19.3	33	189.1
--Motor Vehicle	0	0.0	0	0.0	2	11.5
--Falls	3	46.5	0	0.0	5	28.7
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	6	93.0	1	19.3	25	143.3
--Other Accidents	0	0.0	0	0.0	1	5.7
Intentional Self-Harm (Suicide)	2	31.0	1	19.3	1	5.7
Assault (Homicide)	0	0.0	0	0.0	3	17.2
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	11.5
All Other Causes (Residual)	10	155.0	9	173.6	38	217.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

\*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, 2017  
Table 79 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Morgantown		Moundsville		New Martinsville	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	9.5	0	0.0	0	0.0
Total Deaths, All Causes	178	5.9	141	16.1	85	16.3
--Deaths Under One Year	0	0.0	1	10.3	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	2	6.6	2	22.9	3	57.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	36	119.6	26	297.6	16	306.4
--of Digestive Organs	10	33.2	5	57.2	5	95.7
----Colon	1	3.3	2	22.9	5	95.7
----Pancreas	6	19.9	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	9	29.9	10	114.5	6	114.9
----Trachea, Bronchus and Lung	8	26.6	10	114.5	5	95.7
--of Breast	5	16.6	3	34.3	0	0.0
--of Genitourinary Organs	5	16.6	2	22.9	2	38.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	2	6.6	0	0.0	0	0.0
----Prostate	0	0.0	1	11.4	0	0.0
----Bladder	3	10.0	0	0.0	1	19.1
--All Other (Malignant Neoplasms)	7	23.3	6	68.7	3	57.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	5	16.6	2	22.9	3	57.4
Dementia	7	23.3	5	57.2	1	19.1
Alzheimer's Disease	8	26.6	10	114.5	5	95.7
Major Cardiovascular Disease	53	176.1	38	434.9	22	421.3
--Diseases of the Heart	41	136.2	31	354.8	19	363.8
----Ischemic Heart Disease	28	93.0	23	263.2	9	172.3
--Essential Hypertension and Hypertensive Renal Disease	2	6.6	1	11.4	0	0.0
--Cerebrovascular Diseases (Stroke)	10	33.2	5	57.2	2	38.3
--Arteriosclerosis	0	0.0	0	0.0	1	19.1
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	11.4	0	0.0
Influenza and Pneumonia	5	16.6	3	34.3	3	57.4
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	5	16.6	3	34.3	3	57.4
Chronic Lower Respiratory Diseases	8	26.6	15	171.7	6	114.9
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	5	16.6	1	11.4	1	19.1
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	19.9	1	11.4	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	2	6.6	4	45.8	2	38.3
Congenital Malformations	1	3.3	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	3	10.0	5	57.2	2	38.3
Accidents, All Forms	13	43.2	8	91.6	2	38.3
--Motor Vehicle	1	3.3	2	22.9	0	0.0
--Falls	0	0.0	2	22.9	1	19.1
--Drownings	1	3.3	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	10	33.2	3	34.3	1	19.1
--Other Accidents	1	3.3	1	11.4	0	0.0
Intentional Self-Harm (Suicide)	2	6.6	4	45.8	0	0.0
Assault (Homicide)	1	3.3	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	21	69.8	17	194.6	19	363.8

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2017  
Table 79 (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	1	12.8	2	5.5
Total Deaths, All Causes	103	15.8	119	13.9	452	14.8
--Deaths Under One Year	0	0.0	0	0.0	2	5.5
--Deaths Under 28 Days	0	0.0	0	0.0	2	5.5
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	4	61.2	1	11.7	10	32.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	3.3
Malignant Neoplasms	12	183.7	19	221.8	84	274.5
--of Digestive Organs	2	30.6	3	35.0	18	58.8
----Colon	0	0.0	2	23.4	3	9.8
----Pancreas	1	15.3	0	0.0	3	9.8
--of Respiratory and Intrathoracic Organs	4	61.2	7	81.7	32	104.6
----Trachea, Bronchus and Lung	4	61.2	7	81.7	32	104.6
--of Breast	2	30.6	1	11.7	4	13.1
--of Genitourinary Organs	1	15.3	2	23.4	11	36.0
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	2	6.5
----Prostate	1	15.3	2	23.4	4	13.1
----Bladder	0	0.0	0	0.0	2	6.5
--All Other (Malignant Neoplasms)	3	45.9	6	70.1	19	62.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	15.3	1	11.7	4	13.1
Diabetes Mellitus	5	76.5	10	116.8	18	58.8
Dementia	3	45.9	1	11.7	22	71.9
Alzheimer's Disease	3	45.9	2	23.4	12	39.2
Major Cardiovascular Disease	27	413.2	38	443.7	141	460.8
--Diseases of the Heart	21	321.4	30	350.3	113	369.3
----Ischemic Heart Disease	12	183.7	23	268.5	85	277.8
--Essential Hypertension and Hypertensive Renal Disease	1	15.3	1	11.7	6	19.6
--Cerebrovascular Diseases (Stroke)	5	76.5	6	70.1	19	62.1
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	11.7	3	9.8
Influenza and Pneumonia	4	61.2	2	23.4	11	36.0
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	4	61.2	2	23.4	11	36.0
Chronic Lower Respiratory Diseases	10	153.0	14	163.5	30	98.1
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	2	6.5
Lung Diseases due to External Agents	2	30.6	1	11.7	1	3.3
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	5	76.5	0	0.0	2	6.5
Nephritis, Nephrotic Syndrome and Nephrosis	3	45.9	1	11.7	5	16.3
Congenital Malformations	0	0.0	0	0.0	1	3.3
Ill-Defined and Unknown Causes of Death	0	0.0	1	11.7	5	16.3
Accidents, All Forms	7	107.1	12	140.1	22	71.9
--Motor Vehicle	0	0.0	2	23.4	3	9.8
--Falls	1	15.3	2	23.4	6	19.6
--Drownings	0	0.0	0	0.0	1	3.3
--Smoke, Fires and Flames	0	0.0	0	0.0	1	3.3
--Poisonings	6	91.8	8	93.4	9	29.4
--Other Accidents	0	0.0	0	0.0	2	6.5
Intentional Self-Harm (Suicide)	2	30.6	1	11.7	9	29.4
Assault (Homicide)	1	15.3	0	0.0	3	9.8
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	6.5
All Other Causes (Residual)	14	214.3	15	175.1	69	225.5

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Death: Number and Rate\* by City  
West Virginia, 2017  
Table 79 (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	1	13.3	0	0.0
Total Deaths, All Causes	77	18.3	107	17.9	45	9.1
--Deaths Under One Year	2	35.1	2	26.7	0	0.0
--Deaths Under 28 Days	1	17.5	2	26.7	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	2	47.4	1	16.8	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	16	379.3	19	318.4	10	202.2
--of Digestive Organs	3	71.1	5	83.8	2	40.4
----Colon	1	23.7	2	33.5	1	20.2
----Pancreas	1	23.7	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	4	94.8	7	117.3	2	40.4
----Trachea, Bronchus and Lung	4	94.8	7	117.3	2	40.4
--of Breast	0	0.0	2	33.5	0	0.0
--of Genitourinary Organs	3	71.1	1	16.8	4	80.9
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	1	23.7	0	0.0	1	20.2
----Prostate	0	0.0	1	16.8	0	0.0
----Bladder	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	6	142.2	4	67.0	2	40.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	23.7	2	33.5	1	20.2
Diabetes Mellitus	2	47.4	8	134.1	0	0.0
Dementia	2	47.4	2	33.5	2	40.4
Alzheimer's Disease	4	94.8	1	16.8	1	20.2
Major Cardiovascular Disease	15	355.6	26	435.7	9	182.0
--Diseases of the Heart	11	260.8	23	385.5	8	161.8
----Ischemic Heart Disease	9	213.4	11	184.3	3	60.7
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	16.8	0	0.0
--Cerebrovascular Diseases (Stroke)	3	71.1	2	33.5	1	20.2
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	23.7	0	0.0	0	0.0
Influenza and Pneumonia	0	0.0	1	16.8	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	0	0.0	1	16.8	0	0.0
Chronic Lower Respiratory Diseases	5	118.5	11	184.3	4	80.9
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	2	40.4
Lung Diseases due to External Agents	0	0.0	1	16.8	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	47.4	2	33.5	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	4	94.8	3	50.3	1	20.2
Congenital Malformations	1	23.7	1	16.8	0	0.0
Ill-Defined and Unknown Causes of Death	1	23.7	3	50.3	1	20.2
Accidents, All Forms	4	94.8	6	100.6	8	161.8
--Motor Vehicle	0	0.0	1	16.8	1	20.2
--Falls	1	23.7	1	16.8	1	20.2
--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	47.4	4	67.0	6	121.3
--Other Accidents	1	23.7	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	0	0.0	4	67.0	0	0.0
Assault (Homicide)	0	0.0	2	33.5	1	20.2
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	18	426.7	14	234.6	7	141.6

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2017  
Table 79 (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	0	0.0	0	0.0
Total Deaths, All Causes	186	17.5	155	12.0	138	13.1
--Deaths Under One Year	4	33.6	1	6.3	2	19.8
--Deaths Under 28 Days	2	16.8	0	0.0	2	19.8
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	2	18.9	3	23.3	3	28.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	29	273.6	28	217.0	37	350.8
--of Digestive Organs	9	84.9	10	77.5	13	123.3
----Colon	4	37.7	2	15.5	4	37.9
----Pancreas	1	9.4	5	38.8	5	47.4
--of Respiratory and Intrathoracic Organs	9	84.9	7	54.3	7	66.4
----Trachea, Bronchus and Lung	9	84.9	7	54.3	6	56.9
--of Breast	4	37.7	1	7.8	5	47.4
--of Genitourinary Organs	2	18.9	1	7.8	4	37.9
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	0	0.0
----Prostate	1	9.4	0	0.0	1	9.5
----Bladder	0	0.0	1	7.8	2	19.0
--All Other (Malignant Neoplasms)	5	47.2	9	69.8	8	75.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	28.3	2	15.5	2	19.0
Diabetes Mellitus	6	56.6	3	23.3	5	47.4
Dementia	9	84.9	8	62.0	5	47.4
Alzheimer's Disease	10	94.3	5	38.8	4	37.9
Major Cardiovascular Disease	49	462.3	54	418.5	39	369.8
--Diseases of the Heart	39	367.9	42	325.5	34	322.4
----Ischemic Heart Disease	30	283.0	24	186.0	21	199.1
--Essential Hypertension and Hypertensive Renal Disease	1	9.4	2	15.5	1	9.5
--Cerebrovascular Diseases (Stroke)	7	66.0	8	62.0	3	28.4
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	18.9	2	15.5	1	9.5
Influenza and Pneumonia	6	56.6	3	23.3	4	37.9
--Influenza	1	9.4	0	0.0	1	9.5
--Pneumonia	5	47.2	3	23.3	3	28.4
Chronic Lower Respiratory Diseases	19	179.2	9	69.8	16	151.7
--Bronchitis, Emphysema and Asthma	2	18.9	1	7.8	0	0.0
Lung Diseases due to External Agents	1	9.4	2	15.5	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	28.3	1	7.8	1	9.5
Nephritis, Nephrotic Syndrome and Nephrosis	4	37.7	4	31.0	1	9.5
Congenital Malformations	0	0.0	0	0.0	1	9.5
Ill-Defined and Unknown Causes of Death	4	37.7	4	31.0	0	0.0
Accidents, All Forms	10	94.3	12	93.0	4	37.9
--Motor Vehicle	1	9.4	0	0.0	0	0.0
--Falls	4	37.7	6	46.5	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	5	47.2	6	46.5	4	37.9
--Other Accidents	1	9.4	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	2	18.9	3	23.3	2	19.0
Assault (Homicide)	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	9.4	0	0.0	0	0.0
All Other Causes (Residual)	28	264.2	14	108.5	14	132.7

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2017  
Table 79 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Weirton		Weston		Wheeling	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	17.3	0	0.0	1	3.9
Total Deaths, All Causes	294	15.4	73	18.1	387	14.1
--Deaths Under One Year	2	11.6	2	43.5	2	7.8
--Deaths Under 28 Days	2	11.6	2	43.5	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	5	26.2	0	0.0	5	18.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	63	330.2	14	346.5	79	287.1
--of Digestive Organs	13	68.1	3	74.3	18	65.4
----Colon	4	21.0	0	0.0	5	18.2
----Pancreas	3	15.7	0	0.0	6	21.8
--of Respiratory and Intrathoracic Organs	18	94.3	7	173.3	25	90.8
----Trachea, Bronchus and Lung	18	94.3	7	173.3	23	83.6
--of Breast	5	26.2	0	0.0	8	29.1
--of Genitourinary Organs	8	41.9	1	24.8	7	25.4
----Cervix Uteri	1	5.2	0	0.0	0	0.0
----Ovary	1	5.2	0	0.0	0	0.0
----Prostate	4	21.0	1	24.8	1	3.6
----Bladder	1	5.2	0	0.0	2	7.3
--All Other (Malignant Neoplasms)	19	99.6	3	74.3	21	76.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	5.2	0	0.0	2	7.3
Diabetes Mellitus	9	47.2	2	49.5	21	76.3
Dementia	11	57.6	1	24.8	33	119.9
Alzheimer's Disease	5	26.2	2	49.5	5	18.2
Major Cardiovascular Disease	98	513.6	26	643.6	108	392.4
--Diseases of the Heart	81	424.5	20	495.0	83	301.6
----Ischemic Heart Disease	50	262.0	17	420.8	46	167.1
--Essential Hypertension and Hypertensive Renal Disease	3	15.7	1	24.8	2	7.3
--Cerebrovascular Diseases (Stroke)	14	73.4	3	74.3	20	72.7
--Arteriosclerosis	0	0.0	2	49.5	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	3	10.9
Influenza and Pneumonia	15	78.6	1	24.8	9	32.7
--Influenza	2	10.5	0	0.0	0	0.0
--Pneumonia	13	68.1	1	24.8	9	32.7
Chronic Lower Respiratory Diseases	19	99.6	6	148.5	30	109.0
--Bronchitis, Emphysema and Asthma	4	21.0	0	0.0	3	10.9
Lung Diseases due to External Agents	3	15.7	1	24.8	3	10.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	31.4	0	0.0	3	10.9
Nephritis, Nephrotic Syndrome and Nephrosis	1	5.2	1	24.8	9	32.7
Congenital Malformations	1	5.2	0	0.0	1	3.6
Ill-Defined and Unknown Causes of Death	4	21.0	1	24.8	5	18.2
Accidents, All Forms	19	99.6	6	148.5	21	76.3
--Motor Vehicle	2	10.5	2	49.5	0	0.0
--Falls	4	21.0	0	0.0	5	18.2
--Drownings	0	0.0	0	0.0	1	3.6
--Smoke, Fires and Flames	1	5.2	0	0.0	0	0.0
--Poisonings	11	57.6	3	74.3	12	43.6
--Other Accidents	1	5.2	1	24.8	3	10.9
Intentional Self-Harm (Suicide)	4	21.0	1	24.8	3	10.9
Assault (Homicide)	0	0.0	0	0.0	1	3.6
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	24.8	0	0.0
All Other Causes (Residual)	30	157.2	10	247.5	49	178.0

West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

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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 2017 and filed in the state office of vital statistics prior to February 18, 2018. Vital events occurring to West Virginia residents in other states and tabulated by June 1, 2018, 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, 318 births occurred within the geographic confines of Randolph County of which only so many were to mothers who reside in Randolph County; the remainder resides in other counties or states. Resident births for the county for 2017 totaled 317 which include 203 births that occurred in Randolph County and 114 births to Randolph County residents that occurred elsewhere. With the exception of Tables 11, 12, 13, 14, 16, 54 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 62, 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 72 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 181, "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 2017 population estimated figures from the U.S. Department of Commerce, Bureau of the Census. This can be found at <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: [dhhrvitaldata@wv.gov](mailto:dhhrvitaldata@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 2017 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 actually 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, 2022