



# WEST VIRGINIA VITAL STATISTICS 2018

# SEVENTY-SECOND ANNUAL REPORT

## WEST VIRGINIA VITAL STATISTICS 2018



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## FOREWORD

The *West Virginia Vital Statistics 2018* publication provides an in-depth look at births, deaths, marriages, and divorces that occurred among state residents in 2018.

West Virginia had a natural decrease in population (excess of deaths over births) for the tenth year in a row. West Virginia dropped in overall population between 2017 and 2018 and only twelve of the 55 counties gained population.

The number of total births decreased (18,679 to 18,243) from 2017 to 2018. 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 2018 as more than two out of every five births continue to occur out of wedlock. Among the unmarried mothers giving birth in West Virginia, a father was established through a paternity affidavit in 71.0% of these births, decreasing from 72.4% in 2017.

Of the women who gave birth in 2018, 79.1% received prenatal care during the first trimester of pregnancy while 23.8% smoked during pregnancy. The percentage of low birthweight babies decreased from 9.6% in 2017 to 9.4% in 2018. In 2018, 34.1% of all babies were delivered by Cesarean section.

The number of deaths increased by 172 in 2018. The average age at death for West Virginians was 69.0 for men and 75.2 for women. Heart disease, the leading cause of death in West Virginia for the third consecutive year, cancer, chronic lower respiratory disease and accidents were the four leading causes of death, accountable for 56.0% of all deaths in West Virginia. Motor vehicle traffic accident deaths decreased by only 4 in 2018, from 337 to 333.

The infant death rate decreased from 7.1 per 1,000 live births in 2017 to 7.0 in 2018. The number of deaths to infants under one year of age also decreased by five from 133 to 128. Over eighty-five percent of infant deaths (85.2%) were due to conditions originating in the perinatal period, congenital malformations and SIDS (Sudden Infant Death Syndrome). The fetal death ratio decreased from 5.7 per 1,000 live births in 2017 to 5.6 in 2018. Almost all (90.3%) fetal deaths were due to conditions originating in the perinatal period.

The induced termination of pregnancy (ITOP) section contains statistics for terminations performed in West Virginia only. There were 1,508 ITOPs performed in the state in 2018 compared with 1,449 in 2017. In 2018, 42 of these procedures involved a minor under the age of 18 compared with 38 in 2017.

West Virginia made allowance for same-sex marriages beginning in October 2014. However, overall marriages decreased for the seventh year in a row, from 11,464 in 2017 to 10,950. Same-sex marriages increased from 184 in 2017 to 215 in 2018. Divorces also decreased from 6,502 in 2017 to 5,879 in 2018. One hundred forty-one of those divorces were among 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 this report can be accessed online later in the year at <http://www.wvdhhr.org/bph/hsc/statserv/> along with other statistical publications. If you need any additional information, please contact the Health Statistics Center at (304) 558-9100 or request online at <http://www.wvdhhr.org/bph/hsc/contactUs.asp>.

Birgit A. Shanholtzer  
Director  
Health Statistics Center

## 2018 West Virginia and United States Vital Statistics Review

	West Virginia		United States***	
	Number	Rate*	Number	Rate*
Live Births	18,243	10.1	3,791,712	11.6
Deaths	23,462	13.0	2,839,205	8.7
Fetal Deaths	103	**5.6	N/A	N/A
Neonatal Deaths	79	**4.3	14,289	**3.8
Infant Deaths	128	**7.0	21,467	**5.7
Marriages	10,950	6.1	2,132,853	6.5
Divorces & Annulments	5,879	3.3	782,038	2.9
Natural Increase (Decrease)	(5,219)	(2.9)	952,507	2.9
Population (2018 Estimate)	1,805,832		327,167,434	

\*Rates based on 2018 U.S. Census Bureau estimates.

<http://census.gov/>

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

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

(Births) <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\\_00-18.pdf](https://www.cdc.gov/nchs/data/dvs/national_marriage_divorce_rates_00-18.pdf)

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

## Selected Records and Trivia West Virginia, 2018

### Nativity

Oldest Father: 67  
 Youngest Father: 14  
 Oldest Mother: 52  
 Youngest Mother: 13  
 Highest Live Birth Order: 15<sup>th</sup> Delivery – 14 siblings (brothers and sisters)  
 Day Most Births Occurred: July 23 - (80)  
 Day Fewest Births Occurred: December 2 - (17)  
 Number of Live Born Twins: 588  
 Number of Live Born Triplets: 6  
 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>
Mason	106	Emma	102
Grayson	99	Olivia	96
Elijah	94	Ava	95
Liam	94	Harper	90
Easton	76	Amelia	83
Carter	73	Isabella	78
John	73	Paisley	69
Owen	73	Willow	64
Colton	72	Ella	59
Wyatt	72	Abigail	58

### Mortality

Oldest Male Decedent: 106  
 Oldest Female Decedent: 108  
 Number of Male Decedents 100 Yrs. & Older: 19  
 Number of Female Decedents 100 Yrs. & Older: 125  
 Day Most Deaths Occurred: January 4 - (100)  
 Day Fewest Deaths Occurred: July 30 - (34)

### Marriage (Male-Female Marriages Only)

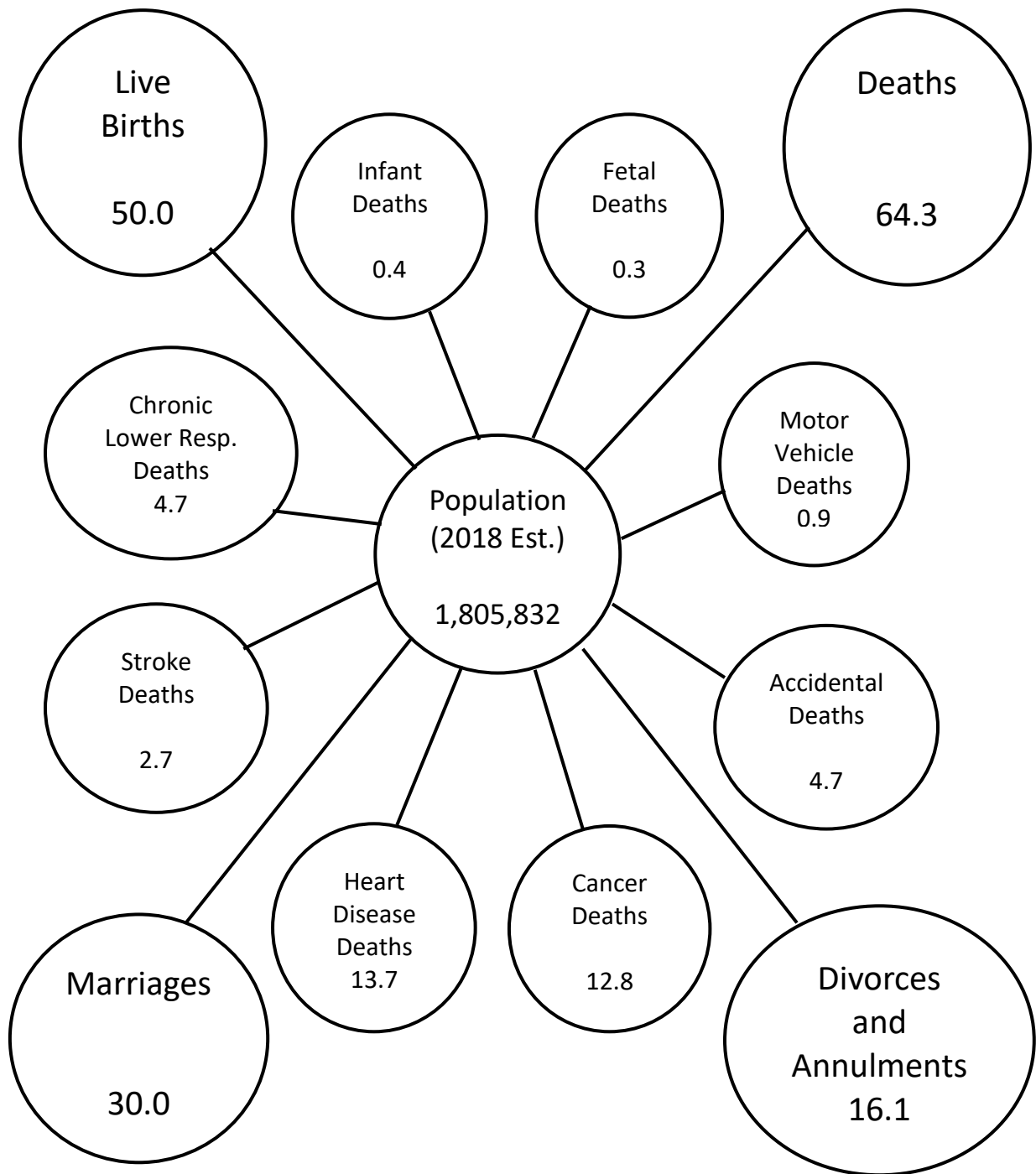
Oldest Groom: 91  
 Youngest Groom: 17  
 Oldest Bride: 88  
 Youngest Bride: 16  
 Largest Age Difference with Bride Older: 32 Years  
 Largest Age Difference with Groom Older: 46 Years

### Divorce (Male-Female Divorces Only)

Oldest Male Divorcé: 92  
 Youngest Male Divorcé: 19  
 Oldest Female Divorcée: 92  
 Youngest Female Divorcée: 18  
 Marriage of Longest Duration Ending in Divorce: 68 Years



# Average Day Statistics West Virginia, 2018



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



West Virginia Vital Statistics  
**Population**

## Population Summary

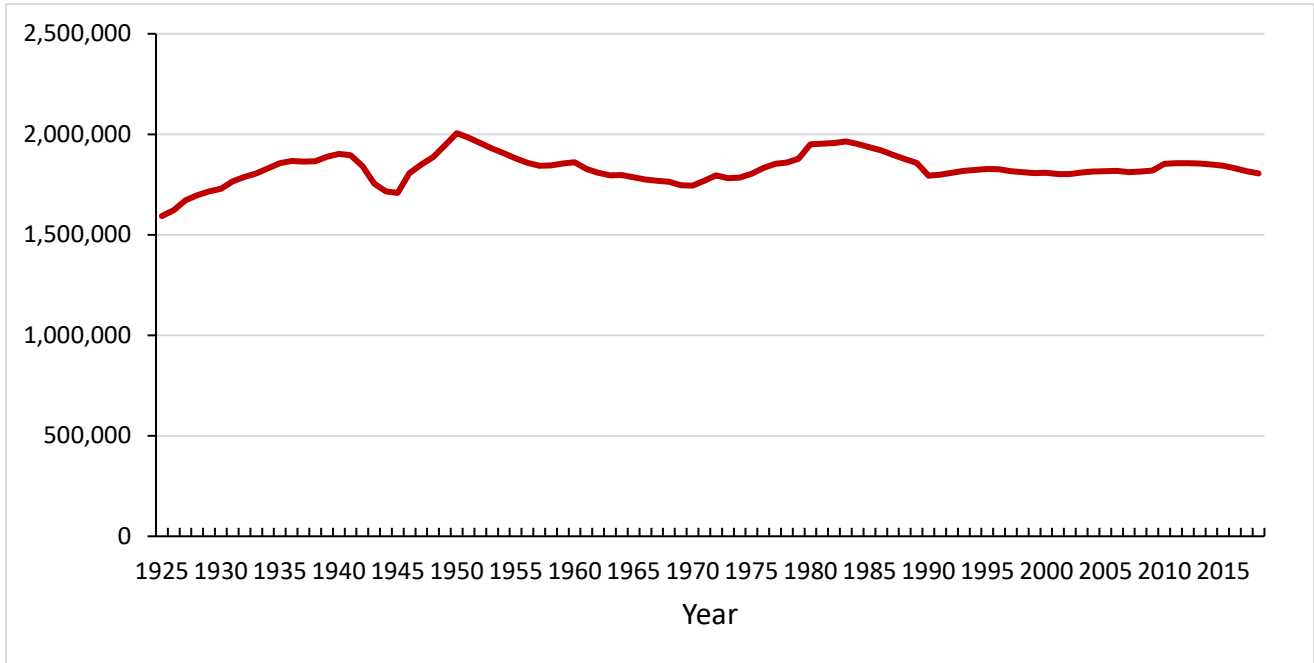
In 2018, 5,219 West Virginians were lost to the total population as a result of resident deaths exceeding resident births. The U.S. Census Bureau shows an overall decrease (approximately 2.5%) in the state's population since 2010, from 1,852,994 to 1,805,832. This decrease is the result of a mostly natural 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 2018, less than one-fifth (9) of the state's 55 counties have shown an increase. Furthermore, only a little more than one-fourth (14) of the state's 50 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, 1925-2018

### 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%
2018*	1,805,832	2017 to 2018	-0.6%

## West Virginia Population by County, 2017 and 2018

### Table 1

County	2017	2018	County	2017	2018
Barbour	16,497	16,535	Monongalia	105,030	106,420
Berkeley	114,920	117,123	Monroe	13,402	13,280
Boone	22,349	21,951	Morgan	17,686	17,787
Braxton	14,237	14,089	Nicholas	25,043	24,842
Brooke	22,443	22,203	Ohio	42,035	41,755
Cabell	94,958	93,224	Pendleton	6,996	6,997
Calhoun	7,307	7,254	Pleasants	7,512	7,507
Clay	8,764	8,632	Pocahontas	8,456	8,414
Doddridge	8,560	8,406	Preston	33,679	33,839
Fayette	43,521	43,018	Putnam	56,792	56,682
Gilmer	8,005	8,026	Raleigh	75,022	74,254
Grant	11,670	11,626	Randolph	28,785	28,823
Greenbrier	35,287	34,786	Ritchie	9,774	9,721
Hampshire	23,471	23,347	Roane	14,043	13,932
Hancock	29,448	29,094	Summers	12,993	12,760
Hardy	13,717	13,775	Taylor	16,930	16,862
Harrison	67,811	67,554	Tucker	6,915	6,955
Jackson	28,976	28,706	Tyler	8,795	8,746
Jefferson	56,338	56,811	Upshur	24,465	24,415
Kanawha	183,293	180,454	Wayne	40,153	39,944
Lewis	16,226	16,024	Webster	8,372	8,285
Lincoln	20,825	20,599	Wetzel	15,437	15,270
Logan	32,925	32,607	Wirt	5,794	5,830
McDowell	18,456	18,223	Wood	85,104	84,203
Marion	56,337	56,097	Wyoming	21,210	20,786
Marshall	31,190	30,785			
Mason	26,801	26,718			
Mercer	59,753	59,131	WV Total	1,815,857	1,805,832
Mineral	27,222	26,940			
Mingo	24,127	23,785			

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

West Virginia Population Characteristics, 2010 and 2018  
Distribution by Gender, Age and Race  
Table 2

Characteristic	2010 Census		2018 Estimate	
	Number	Percent	Number	Percent
<u>Total</u>	1,852,994	100.0%	1,805,832	100.0%
<u>Gender</u>				
Male	913,586	49.3%	894,340	49.5%
Female	939,408	50.7%	911,492	50.5%
<u>Age</u>				
Less than 5 Years	104,060	5.6%	95,257	5.3%
5-17 Years	283,358	15.3%	268,903	14.9%
18-44 Years	627,191	33.8%	588,971	32.6%
45-64 Years	540,981	29.2%	492,823	27.3%
65 Years and Older	297,404	16.0%	359,878	19.9%
<u>Race</u>				
White or Caucasian	1,739,988	93.9%	1,687,993	93.5%
Black or African American	63,124	3.4%	65,231	3.6%
Asian, Native Hawaiian and Other Pacific Islander	12,834	0.7%	15,866	0.9%
American Indian, Eskimo, Aleutian Islander and Alaska Native	3,787	0.2%	4,526	0.3%
All Other Races	33,261	1.8%	32,216	1.8%
<u>Hispanic Origin*</u>	22,268	1.2%	30,201	1.7%

\*May be of any race

2010 and 2018 Census Source: <http://www.census.gov>

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2022

Age Group Distribution by County  
West Virginia Population 2018 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	824	1,862	2,469	1,812	1,838	2,048	2,349	1,922	1,046	365	16,535
Berkeley	7,180	15,367	13,499	16,524	15,544	16,342	15,492	11,042	4,737	1,396	117,123
Boone	1,117	2,659	2,436	2,229	2,813	3,014	3,280	2,818	1,203	382	21,951
Braxton	701	1,543	1,439	1,602	1,568	1,886	2,120	1,937	954	339	14,089
Brooke	976	2,221	2,780	2,254	2,397	2,802	3,483	3,048	1,565	677	22,203
Cabell	5,016	10,267	15,526	11,463	10,983	10,863	11,564	10,057	5,318	2,167	93,224
Calhoun	347	779	666	685	821	979	1,198	1,072	515	192	7,254
Clay	473	1,100	930	859	1,021	1,136	1,337	1,039	547	190	8,632
Doddridge	320	718	1,045	990	1,035	1,209	1,268	1,091	553	177	8,406
Fayette	2,276	5,107	4,583	4,744	5,255	5,522	6,479	5,328	2,712	1,012	43,018
Gilmer	295	678	1,371	1,179	1,094	1,061	943	747	445	213	8,026
Grant	638	1,221	1,208	1,206	1,235	1,588	1,693	1,610	901	326	11,626
Greenbrier	1,799	3,785	3,530	3,749	4,090	4,408	5,326	4,721	2,438	940	34,786
Hampshire	1,108	2,398	2,489	2,418	2,608	3,374	3,723	3,244	1,493	492	23,347
Hancock	1,301	3,159	2,963	3,035	3,339	3,954	4,621	3,812	1,982	928	29,094
Hardy	722	1,624	1,368	1,461	1,563	1,911	2,111	1,805	956	254	13,775
Harrison	3,717	8,255	7,394	8,040	8,318	8,934	9,756	7,520	3,954	1,666	67,554
Jackson	1,536	3,469	3,172	3,098	3,320	3,914	4,341	3,228	1,948	680	28,706
Jefferson	3,033	7,239	6,925	6,481	7,324	8,619	7,992	5,840	2,546	812	56,811
Kanawha	9,554	20,259	19,916	22,009	21,844	22,596	27,004	21,831	10,982	4,459	180,454
Lewis	889	1,947	1,656	1,803	1,930	2,185	2,308	1,956	1,020	330	16,024
Lincoln	1,169	2,607	2,168	2,135	2,568	2,853	3,084	2,403	1,262	350	20,599
Logan	1,760	3,719	3,516	3,650	4,191	4,323	4,847	4,193	1,826	582	32,607
McDowell	980	2,145	1,730	1,995	2,063	2,338	3,008	2,379	1,166	419	18,223
Marion	3,107	6,207	8,216	6,547	6,641	7,013	7,403	6,300	3,328	1,335	56,097
Marshall	1,505	3,342	3,220	3,513	3,417	4,106	4,796	4,154	1,957	775	30,785
Mason	1,429	3,206	2,801	2,936	3,241	3,377	4,145	3,202	1,736	645	26,718
Mercer	3,383	6,788	6,813	6,911	6,735	7,246	8,249	7,622	3,859	1,525	59,131
Mineral	1,406	2,987	3,230	3,101	2,925	3,690	3,760	3,465	1,859	517	26,940
Mingo	1,424	2,944	2,479	2,629	2,977	3,221	3,609	2,920	1,209	373	23,785

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Health Statistics Center, Vital Statistics System 2022

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

Age Group Distribution by County  
West Virginia Population 2018 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	5,301	9,422	24,894	18,161	12,840	11,089	11,265	8,247	3,565	1,636	106,420
Monroe	608	1,521	1,303	1,343	1,424	1,783	1,979	1,891	1,060	368	13,280
Morgan	727	1,823	1,901	1,794	1,922	2,592	2,921	2,479	1,252	376	17,787
Nicholas	1,311	2,977	2,408	2,752	2,810	3,293	3,738	3,344	1,692	517	24,842
Ohio	2,091	4,486	5,604	4,781	4,585	4,917	6,186	5,042	2,630	1,433	41,755
Pendleton	341	706	645	680	695	849	1,187	1,003	605	286	6,997
Pleasants	373	770	863	929	981	1,097	1,058	850	443	143	7,507
Pocahontas	411	815	760	925	907	1,062	1,412	1,221	680	221	8,414
Preston	1,712	3,715	3,395	4,553	4,322	4,582	4,782	4,097	2,008	673	33,839
Putnam	3,032	7,203	6,361	6,307	7,538	7,883	7,970	6,205	3,224	959	56,682
Raleigh	3,991	8,949	7,959	9,124	9,478	9,163	10,273	9,200	4,292	1,825	74,254
Randolph	1,455	3,015	3,314	3,546	3,264	3,770	4,152	3,620	1,960	727	28,823
Ritchie	489	1,082	978	964	1,096	1,354	1,563	1,286	668	241	9,721
Roane	657	1,683	1,440	1,410	1,610	1,836	2,242	1,826	909	319	13,932
Summers	515	1,161	1,203	1,369	1,578	1,683	2,074	1,869	943	365	12,760
Taylor	889	1,914	1,683	2,068	2,115	2,339	2,443	1,970	1,041	400	16,862
Tucker	294	545	694	720	777	994	1,110	1,050	576	195	6,955
Tyler	444	968	895	873	927	1,247	1,411	1,154	593	234	8,746
Upshur	1,311	2,864	3,444	2,770	2,687	3,067	3,306	2,879	1,585	502	24,415
Wayne	2,075	4,585	4,463	4,408	4,771	5,445	5,783	4,865	2,597	952	39,944
Webster	393	947	837	835	886	1,127	1,336	1,168	552	204	8,285
Wetzel	814	1,696	1,682	1,580	1,626	2,043	2,309	1,904	1,203	413	15,270
Wirt	290	749	570	605	669	777	990	709	378	93	5,830
Wood	4,756	9,811	9,209	9,635	10,005	11,217	12,361	9,819	5,480	1,910	84,203
Wyoming	992	2,422	2,278	2,172	2,549	2,732	3,230	2,833	1,188	390	20,786
WV Total	95,257	205,431	220,321	215,362	216,760	234,453	258,370	212,837	107,141	39,900	1,805,832

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



Age Group Distribution by County  
West Virginia Population 2018 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	420	943	1,168	901	892	1,017	1,145	952	488	123	8,049
Berkeley	3,682	7,788	6,847	8,232	7,646	8,172	7,703	5,270	2,186	569	58,095
Boone	566	1,404	1,310	1,154	1,366	1,503	1,602	1,341	563	128	10,937
Braxton	360	786	748	844	802	942	1,083	962	475	120	7,122
Brooke	504	1,149	1,437	1,178	1,198	1,384	1,711	1,427	688	226	10,902
Cabell	2,663	5,333	7,616	5,935	5,555	5,432	5,472	4,613	2,240	726	45,585
Calhoun	166	392	315	351	417	485	608	565	244	74	3,617
Clay	245	590	484	432	502	556	680	524	277	70	4,360
Doddridge	158	378	681	592	590	665	638	560	273	90	4,625
Fayette	1,173	2,595	2,523	2,480	2,720	2,872	3,200	2,601	1,192	302	21,658
Gilmer	164	361	792	886	754	675	500	382	208	76	4,798
Grant	320	618	635	624	615	805	851	768	434	126	5,796
Greenbrier	928	1,908	1,899	1,847	2,032	2,123	2,589	2,280	1,089	340	17,035
Hampshire	561	1,285	1,309	1,268	1,292	1,730	1,879	1,666	724	201	11,915
Hancock	664	1,622	1,529	1,558	1,647	1,990	2,241	1,821	807	298	14,177
Hardy	364	829	709	763	802	979	1,037	900	460	89	6,932
Harrison	1,910	4,322	3,785	4,002	4,162	4,466	4,783	3,543	1,661	548	33,182
Jackson	770	1,857	1,672	1,603	1,653	1,916	2,121	1,561	854	259	14,266
Jefferson	1,583	3,700	3,552	3,224	3,620	4,273	3,951	2,820	1,160	304	28,187
Kanawha	4,783	10,344	10,097	10,895	10,828	11,032	12,734	10,093	4,576	1,534	86,916
Lewis	475	965	877	906	992	1,094	1,141	940	443	133	7,966
Lincoln	579	1,329	1,122	1,082	1,261	1,445	1,515	1,164	575	133	10,205
Logan	876	1,932	1,804	1,899	2,139	2,182	2,305	1,994	759	215	16,105
McDowell	484	1,105	885	1,027	1,046	1,155	1,395	1,179	494	147	8,917
Marion	1,592	3,149	4,234	3,341	3,355	3,494	3,617	2,985	1,463	462	27,692
Marshall	757	1,725	1,651	1,836	1,752	2,077	2,349	1,995	840	280	15,262
Mason	756	1,662	1,454	1,328	1,543	1,657	1,984	1,553	762	226	12,925
Mercer	1,729	3,520	3,480	3,400	3,221	3,521	3,795	3,551	1,708	470	28,395
Mineral	698	1,582	1,709	1,629	1,474	1,845	1,769	1,635	859	203	13,403
Mingo	716	1,535	1,296	1,265	1,466	1,578	1,758	1,417	557	136	11,724

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

Age Group Distribution by County  
West Virginia Population 2018 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	2,752	4,905	13,104	9,958	6,865	5,662	5,520	4,072	1,554	546	54,938
Monroe	309	801	678	693	722	875	1,007	889	523	141	6,638
Morgan	378	946	994	891	970	1,355	1,433	1,222	579	146	8,914
Nicholas	647	1,523	1,272	1,387	1,349	1,609	1,794	1,670	780	184	12,215
Ohio	1,064	2,280	2,745	2,457	2,354	2,408	2,974	2,355	1,095	416	20,148
Pendleton	183	349	334	354	373	433	603	503	267	140	3,539
Pleasants	207	406	484	576	578	597	551	425	218	41	4,083
Pocahontas	199	396	407	507	479	558	738	604	358	67	4,313
Preston	847	1,979	1,751	2,480	2,293	2,423	2,430	1,994	932	238	17,367
Putnam	1,576	3,675	3,264	3,176	3,673	3,932	3,900	2,920	1,428	327	27,871
Raleigh	2,046	4,526	4,225	4,972	4,922	4,759	4,861	4,429	1,864	619	37,223
Randolph	756	1,516	1,838	1,992	1,775	1,997	2,116	1,745	931	250	14,916
Ritchie	245	552	506	500	533	669	822	635	313	87	4,862
Roane	327	813	760	711	799	917	1,116	913	416	102	6,874
Summers	266	558	565	528	654	750	938	955	402	143	5,759
Taylor	422	1,016	891	1,145	1,090	1,181	1,241	971	458	141	8,556
Tucker	157	277	416	366	384	500	559	528	289	78	3,554
Tyler	234	492	474	433	466	654	677	593	274	101	4,398
Upshur	670	1,461	1,675	1,407	1,363	1,536	1,626	1,437	746	185	12,106
Wayne	1,066	2,324	2,317	2,201	2,266	2,697	2,780	2,306	1,207	363	19,527
Webster	204	481	445	427	444	572	645	585	273	69	4,145
Wetzel	420	856	872	823	790	1,002	1,143	929	534	129	7,498
Wirt	143	402	310	300	321	379	498	380	204	32	2,969
Wood	2,422	4,987	4,684	4,801	4,944	5,574	5,924	4,541	2,388	640	40,905
Wyoming	509	1,258	1,155	1,091	1,214	1,375	1,584	1,408	536	144	10,274
WV Total	48,695	105,487	113,786	110,658	108,963	117,479	125,636	102,071	47,628	13,937	894,340

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

Age Group Distribution by County  
West Virginia Population 2018 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	404	919	1,301	911	946	1,031	1,204	970	558	242	8,486
Berkeley	3,498	7,579	6,652	8,292	7,898	8,170	7,789	5,772	2,551	827	59,028
Boone	551	1,255	1,126	1,075	1,447	1,511	1,678	1,477	640	254	11,014
Braxton	341	757	691	758	766	944	1,037	975	479	219	6,967
Brooke	472	1,072	1,343	1,076	1,199	1,418	1,772	1,621	877	451	11,301
Cabell	2,353	4,934	7,910	5,528	5,428	5,431	6,092	5,444	3,078	1,441	47,639
Calhoun	181	387	351	334	404	494	590	507	271	118	3,637
Clay	228	510	446	427	519	580	657	515	270	120	4,272
Doddridge	162	340	364	398	445	544	630	531	280	87	3,781
Fayette	1,103	2,512	2,060	2,264	2,535	2,650	3,279	2,727	1,520	710	21,360
Gilmer	131	317	579	293	340	386	443	365	237	137	3,228
Grant	318	603	573	582	620	783	842	842	467	200	5,830
Greenbrier	871	1,877	1,631	1,902	2,058	2,285	2,737	2,441	1,349	600	17,751
Hampshire	547	1,113	1,180	1,150	1,316	1,644	1,844	1,578	769	291	11,432
Hancock	637	1,537	1,434	1,477	1,692	1,964	2,380	1,991	1,175	630	14,917
Hardy	358	795	659	698	761	932	1,074	905	496	165	6,843
Harrison	1,807	3,933	3,609	4,038	4,156	4,468	4,973	3,977	2,293	1,118	34,372
Jackson	766	1,612	1,500	1,495	1,667	1,998	2,220	1,667	1,094	421	14,440
Jefferson	1,450	3,539	3,373	3,257	3,704	4,346	4,041	3,020	1,386	508	28,624
Kanawha	4,771	9,915	9,819	11,114	11,016	11,564	14,270	11,738	6,406	2,925	93,538
Lewis	414	982	779	897	938	1,091	1,167	1,016	577	197	8,058
Lincoln	590	1,278	1,046	1,053	1,307	1,408	1,569	1,239	687	217	10,394
Logan	884	1,787	1,712	1,751	2,052	2,141	2,542	2,199	1,067	367	16,502
McDowell	496	1,040	845	968	1,017	1,183	1,613	1,200	672	272	9,306
Marion	1,515	3,058	3,982	3,206	3,286	3,519	3,786	3,315	1,865	873	28,405
Marshall	748	1,617	1,569	1,677	1,665	2,029	2,447	2,159	1,117	495	15,523
Mason	673	1,544	1,347	1,608	1,698	1,720	2,161	1,649	974	419	13,793
Mercer	1,654	3,268	3,333	3,511	3,514	3,725	4,454	4,071	2,151	1,055	30,736
Mineral	708	1,405	1,521	1,472	1,451	1,845	1,991	1,830	1,000	314	13,537
Mingo	708	1,409	1,183	1,364	1,511	1,643	1,851	1,503	652	237	12,061

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

Age Group Distribution by County  
West Virginia Population 2018 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	2,549	4,517	11,790	8,203	5,975	5,427	5,745	4,175	2,011	1,090	51,482
Monroe	299	720	625	650	702	908	972	1,002	537	227	6,642
Morgan	349	877	907	903	952	1,237	1,488	1,257	673	230	8,873
Nicholas	664	1,454	1,136	1,365	1,461	1,684	1,944	1,674	912	333	12,627
Ohio	1,027	2,206	2,859	2,324	2,231	2,509	3,212	2,687	1,535	1,017	21,607
Pendleton	158	357	311	326	322	416	584	500	338	146	3,458
Pleasants	166	364	379	353	403	500	507	425	225	102	3,424
Pocahontas	212	419	353	418	428	504	674	617	322	154	4,101
Preston	865	1,736	1,644	2,073	2,029	2,159	2,352	2,103	1,076	435	16,472
Putnam	1,456	3,528	3,097	3,131	3,865	3,951	4,070	3,285	1,796	632	28,811
Raleigh	1,945	4,423	3,734	4,152	4,556	4,404	5,412	4,771	2,428	1,206	37,031
Randolph	699	1,499	1,476	1,554	1,489	1,773	2,036	1,875	1,029	477	13,907
Ritchie	244	530	472	464	563	685	741	651	355	154	4,859
Roane	330	870	680	699	811	919	1,126	913	493	217	7,058
Summers	249	603	638	841	924	933	1,136	914	541	222	7,001
Taylor	467	898	792	923	1,025	1,158	1,202	999	583	259	8,306
Tucker	137	268	278	354	393	494	551	522	287	117	3,401
Tyler	210	476	421	440	461	593	734	561	319	133	4,348
Upshur	641	1,403	1,769	1,363	1,324	1,531	1,680	1,442	839	317	12,309
Wayne	1,009	2,261	2,146	2,207	2,505	2,748	3,003	2,559	1,390	589	20,417
Webster	189	466	392	408	442	555	691	583	279	135	4,140
Wetzel	394	840	810	757	836	1,041	1,166	975	669	284	7,772
Wirt	147	347	260	305	348	398	492	329	174	61	2,861
Wood	2,334	4,824	4,525	4,834	5,061	5,643	6,437	5,278	3,092	1,270	43,298
Wyoming	483	1,164	1,123	1,081	1,335	1,357	1,646	1,425	652	246	10,512
WV Total	46,562	99,944	106,535	104,704	107,797	116,974	132,734	110,766	59,513	25,963	911,492

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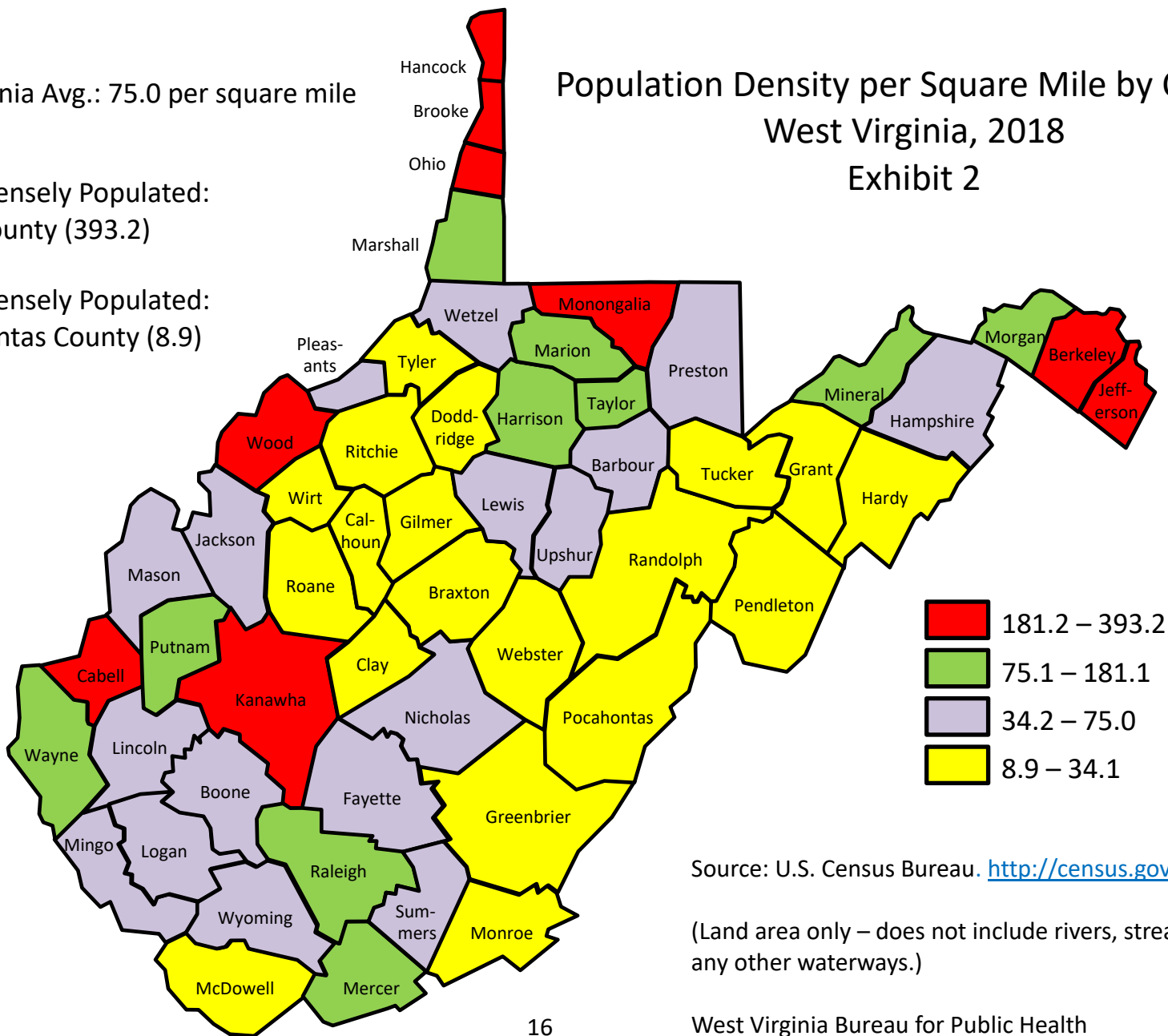
Source: <http://www.census.gov>

West Virginia Avg.: 75.0 per square mile

Most Densely Populated:  
Ohio County (393.2)

Least Densely Populated:  
Pocahontas County (8.9)

## Population Density per Square Mile by County West Virginia, 2018 Exhibit 2



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

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

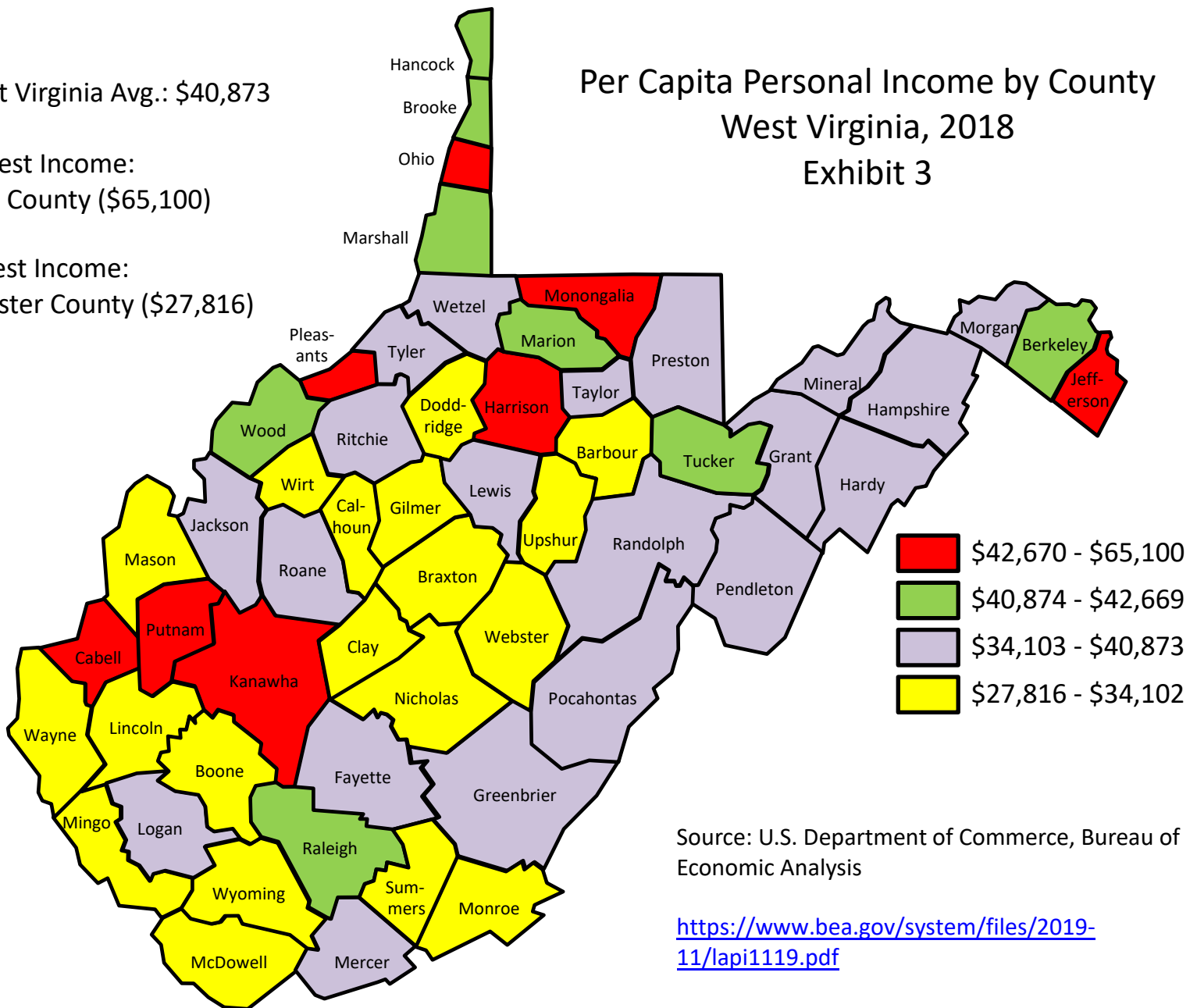
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## Per Capita Personal Income by County West Virginia, 2018 Exhibit 3

West Virginia Avg.: \$40,873

Highest Income:  
Ohio County (\$65,100)

Lowest Income:  
Webster County (\$27,816)



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

<https://www.bea.gov/system/files/2019-11/lapi1119.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, 1975-2018**

**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)	(10,634)	-0.83%
2018 - l	1,805,832	18,243	23,462	(5,219)	(4,806)	-0.55%

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)  
l. Source of population data 2018: [http://www.census.gov/popest/counties/CO-EST2018-popchg2010\\_2018.html](http://www.census.gov/popest/counties/CO-EST2018-popchg2010_2018.html)

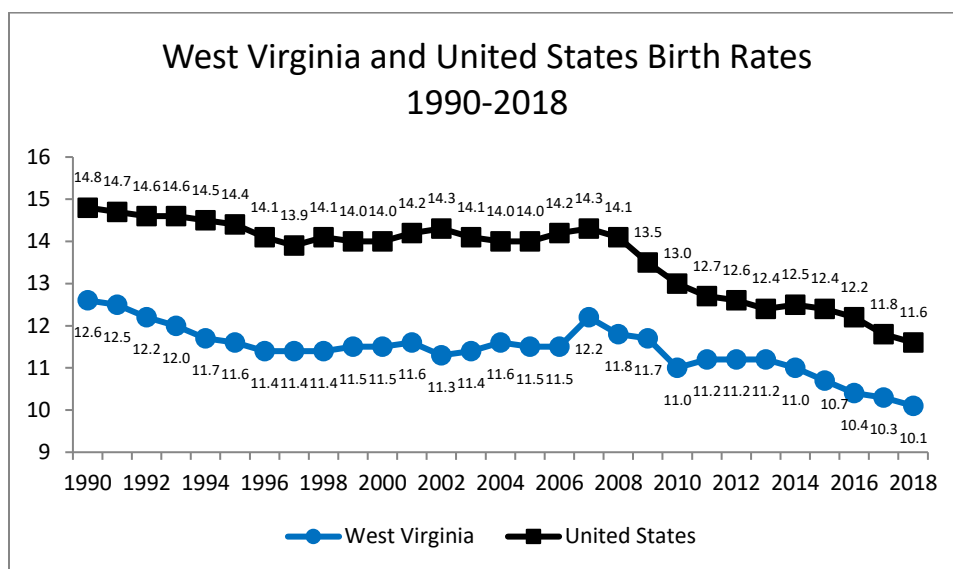


West Virginia Vital Statistics  
**Births**



## Birth Summary

West Virginia's resident live births decreased by 436 or 2.3%, from 18,679 in 2017 to 18,243 in 2018. This is the fourth year in a row where births are below 20,000. The 2018 birth rate also decreased 2.0% from 10.3 per 1,000 population in 2017 to 10.1. The U.S. 2018 birth rate was 11.6 live births per 1,000 population, decreasing 1.7% from the 2017 rate of 11.8. 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, 2008-2010 and 2012-2018 with a slight increase in 2007 and 2011.



The 2018 U.S. fertility rate of 59.1 live births per 1,000 women aged 15-44 was lower (2.6%) than the 2017 rate (60.7). West Virginia's fertility rate decreased 1.4%, from 58.0 in 2017 to 57.2 in 2018. 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, 2018					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
25.3	17.4	63.0	66.9	57.2	59.1

\*All fertility rates were calculated using 2018 estimated population, U.S. Department of Commerce, Bureau of the Census.

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

The fertility rate among women aged 15-19 in West Virginia was 45.4% higher than that among young women in the U.S. (25.3 vs. 17.4). The fertility rate among women aged 20-44 was 5.8% lower in

the state than in the nation (63.0 vs. 66.9).

The number of births to teen mothers (ages 10-19) decreased by 102 (7.2%), from 1,423 in 2017 to 1,321 in 2018. This is the fifth year in a row where teen births have been below 2,000. The percentage of total births represented by teen births also decreased from 7.6% in 2017 to 7.2% in 2018. 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 (4.8% in 2018).

The percentage of births occurring out of wedlock was the same in 2017 and 2018. Nearly half (45.4%) of West Virginia resident births were to unwed mothers. The percentages of white and black births that occurred out of wedlock in West Virginia in 2018 were 44.3% and 72.5%, respectively, compared to 44.3% and 73.2% in 2017. In the U.S. in 2015, 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 was the same (88.1%) for both 2017 and 2018.

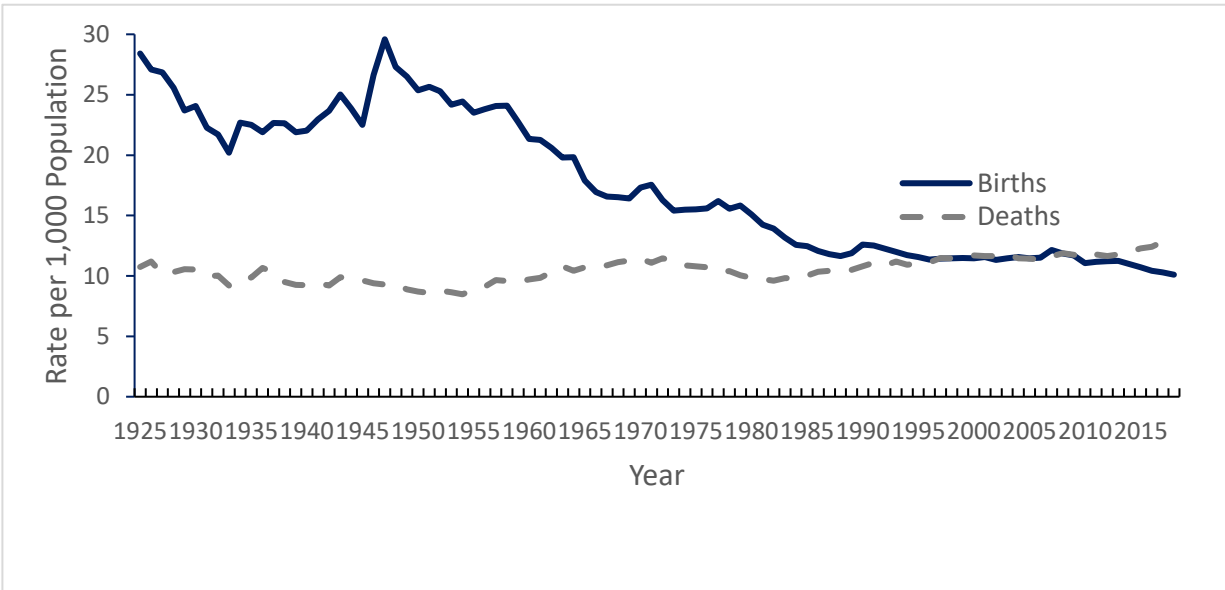
There were a total of 1,716 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2018, 9.4% of all births. Of the 1,716 low birthweight infants, 1,214 or 70.8% were preterm babies born before 37 weeks of gestation. Of all 2018 resident births with a known gestational age, 11.9% were preterm babies. In 2018, 9.2% 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 2018; 6.8% of births to white mothers (non-Hispanic) and 13.4% of births to black mothers (non-Hispanic) were of low birthweight.

In 2018, 79.1% of West Virginia mothers, with known prenatal care, began their care during the first trimester of pregnancy, compared with 77.5% of mothers nationwide. Among those with known prenatal care, 79.9% of white mothers began care during the first trimester and 68.9% of black mothers did so. U.S. figures show that 82.2% of white, non-Hispanic mothers and 67.3% of black, non-Hispanic mothers had first trimester care. No prenatal care was received by 1.7% of white mothers and 2.4% of black mothers.

Over one in five (23.8%) of the births in 2018 were to mothers who smoked during their pregnancies. National figures from 2018 show that 6.5% of women giving birth reported smoking during pregnancy. Among the state mothers who reported smoking during pregnancy, 15.3% of the babies born were low birthweight, compared with 7.5% among non-smoking mothers. More than one-third (34.1%) of 2018 state births were delivered by Cesarean section, compared with a national rate of 30.4%. One or more medical risk factors were reported in 44.1% of the state resident births in 2018. Maternal drug use during pregnancy was reported in 9.3% of all resident births in 2018 while one or more complications of labor and/or delivery were reported for 35.4% 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 Michigan, 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 Michigan occurrence.

**Number and Rate of Resident Births (Compared to Deaths)**  
**West Virginia, 1925-2018**  
**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	23,293	12.8
2018	18,243	10.1	23,462	13.0

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Summary Totals  
West Virginia Resident Births, 2018  
Table 5

Characteristic	Number	Percent	Characteristic	Number	Percent
Total	18,243	100.0%			
Gender			Mother's Marital Status		
Male	9,425	51.7%	White or Caucasian		
Female	8,818	48.3%	Married	9,423	55.7%
Unknown	0		Not Married	7,484	44.3%
			Unknown	1	
Race of Mother			Black or African American		
White or Caucasian	16,908	92.9%	Married	178	27.5%
Black or African American	647	3.6%	Not Married	469	72.5%
Asian, Hawaiian or Pacific Islander	197	1.1%	Unknown	0	
Native American or Aleutian Islander	24	0.1%	All Other Races		
Two or More Races	402	2.2%	Married	333	51.2%
All Other Races	27	0.1%	Not Married	317	48.8%
Unknown	38		Unknown	0	
Attendant at Birth			Unknown		
Physician	16,523	90.6%	Married	8	57.1%
Certified Nurse Midwife	1,490	8.2%	Not Married	6	42.9%
Direct Entry Midwife	41	0.2%	Unknown	24	
Lay Midwife	94	0.5%			
EMT/Paramedic	0	0.0%	Method of Delivery		
Other	95	0.5%	Vaginal	11,749	64.4%
Unknown	0		Vaginal after Previous Cesarean Section	273	1.5%
Place of Birth			Cesarean Section	6,221	34.1%
Hospital	18,127	99.4%	Primary	3,546	19.4%
Home	99	0.5%	Repeat	2,675	14.7%
Freestanding Birthing Center	12	0.1%			
En Route to Hospital	0	0.0%	One or More Reported Factors		
Clinic or Center	0	0.0%	Medical Risk Factors	8,043	44.1%
Other Specified Address (Not Home)	5	0.0%	Complications of Labor and/or Delivery	6,457	35.4%
Unknown	0		Congenital Malformations	338	1.9%
Mother's Smoking Status			Abnormal Conditions of the Newborn	2,830	15.5%
Smoked During Pregnancy	4,342	23.8%			

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Percentages are calculated excluding unknown.

Birthweight by Age of Mother  
West Virginia Resident Births, 2018  
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	3	17	26	33	23	11	2	0	0	115
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	0	2	14	42	67	30	14	2	3	0	174
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	4	11	90	91	72	36	11	7	0	322
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	0	19	73	320	331	213	110	29	10	0	1,105
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	2	61	226	1,011	1,067	743	327	72	26	0	3,535
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	6	96	417	2,070	2,204	1,401	600	103	25	0	6,922
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	2	63	239	1,247	1,551	1,073	451	70	15	0	4,711
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	0	8	47	284	360	301	132	19	2	0	1,153
4,500 or more Grams (9.921 or more lbs.)	0	2	9	37	66	66	19	5	1	0	205
Unknown	0	0	0	1	0	0	0	0	0	0	1
Total	10	258	1,053	5,128	5,770	3,922	1,700	313	89	0	18,243

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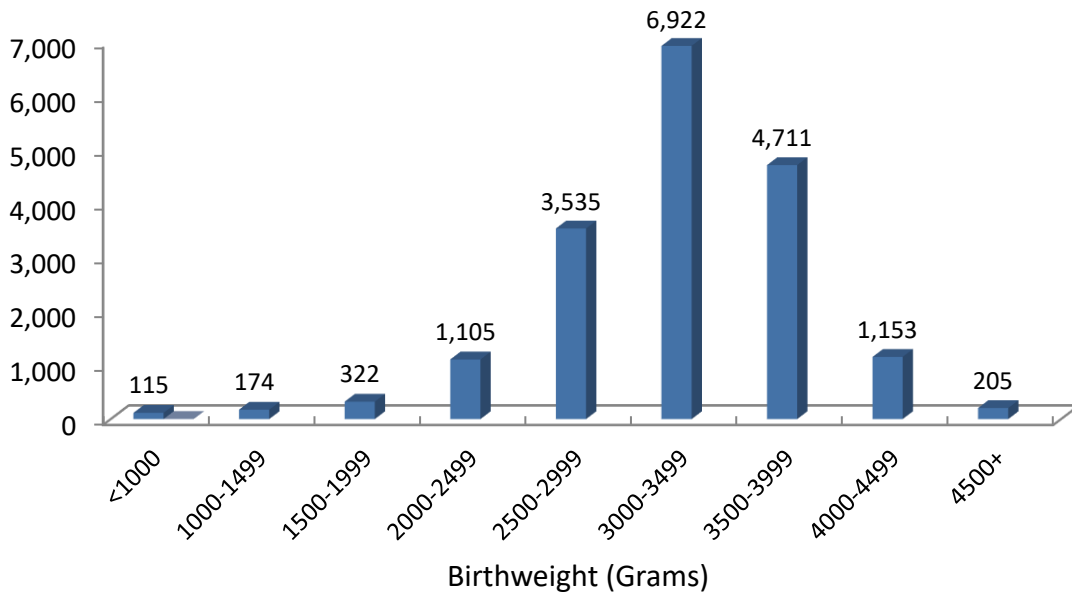
Selected Factors by Birthweight of Infant  
West Virginia Resident Births, 2018  
Table 7

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	289	1.6%	1,427	7.8%	16,526	90.6%	1	18,243
Maternal Age								
< 20 Years	36	2.7%	107	8.1%	1,178	89.2%	0	1,321
< 15 Years	0	0.0%	0	0.0%	10	100.0%	0	10
Maternal Race								
White or Caucasian	264	1.6%	1,291	7.6%	15,352	90.8%	1	16,908
Black or African American	16	2.5%	76	11.7%	555	85.8%	0	647
All Other Races	8	1.2%	56	8.6%	586	90.2%	0	650
Unknown	1	2.6%	4	10.5%	33	86.8%	0	38
Entrv Into Prenatal Care								
First Trimester	208	1.5%	1,016	7.1%	13,066	91.4%	1	14,291
Second Trimester	36	1.4%	257	9.9%	2,300	88.7%	0	2,593
Third Trimester	8	1.0%	52	6.2%	782	92.9%	0	842
No Prenatal Care	28	8.4%	70	21.1%	234	70.5%	0	332
Unknown	9	4.9%	32	17.3%	144	77.8%	0	185
Gestational Age								
< 32 Weeks	232	73.7%	77	24.4%	6	1.9%	1	316
32-36 Weeks	52	2.8%	853	46.2%	943	51.0%	0	1,848
37-38 Weeks	2	0.0%	411	7.6%	5,002	92.4%	0	5,415
39+ Weeks	3	0.0%	86	0.8%	10,567	99.2%	0	10,656
Unknown	0	0.0%	0	0.0%	8	100.0%	0	8
Mother's Education Level								
8th Grade or Less	0	0.0%	26	13.8%	162	86.2%	0	188
9th-12th Grade, No Diploma	45	2.1%	236	11.0%	1,856	86.9%	0	2,137
High School Graduate or GED Completed	122	2.1%	510	8.6%	5,277	89.3%	1	5,910
Some College Credit but No Degree	49	1.2%	298	7.5%	3,641	91.3%	0	3,988
Associate's Degree	31	1.7%	115	6.2%	1,714	92.2%	0	1,860
Bachelor's Degree	19	0.7%	155	6.1%	2,360	93.1%	0	2,534
Master's Degree	16	1.4%	60	5.1%	1,105	93.6%	0	1,181
Doctorate or Professional Degree	5	1.3%	21	5.4%	362	93.3%	0	388
Unknown	2	3.5%	6	10.5%	49	86.0%	0	57
Mother's Marital Status								
Married	123	1.2%	637	6.4%	9,182	92.4%	0	9,942
Not Married	165	2.0%	789	9.5%	7,321	88.5%	1	8,276
Unknown	1	4.0%	1	4.0%	23	92.0%	0	25

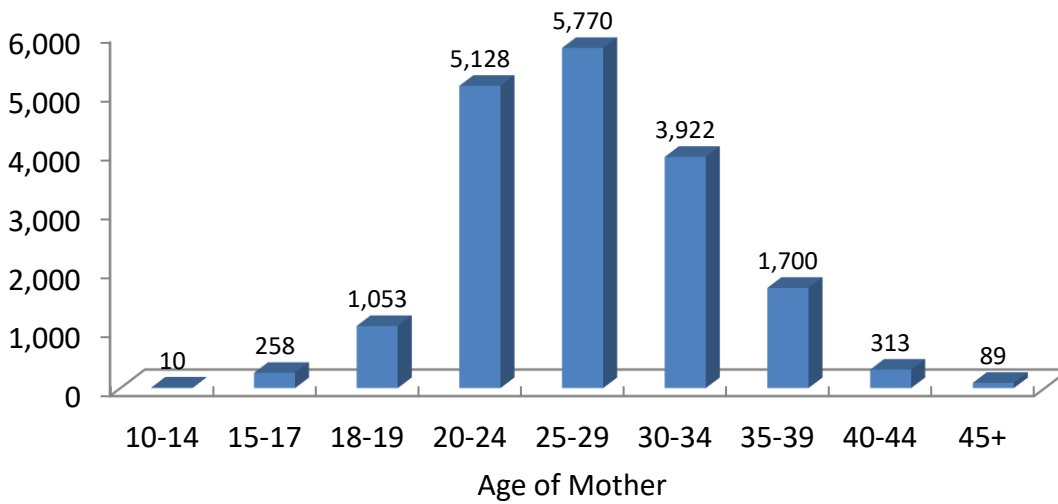
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\*Percentages are calculated excluding unknown birthweight.

**Birthweight in Grams\***  
**West Virginia Resident Births, 2018**  
**Exhibit 5**



**Age of Mother**  
**West Virginia Resident Births, 2018**  
**Exhibit 6**

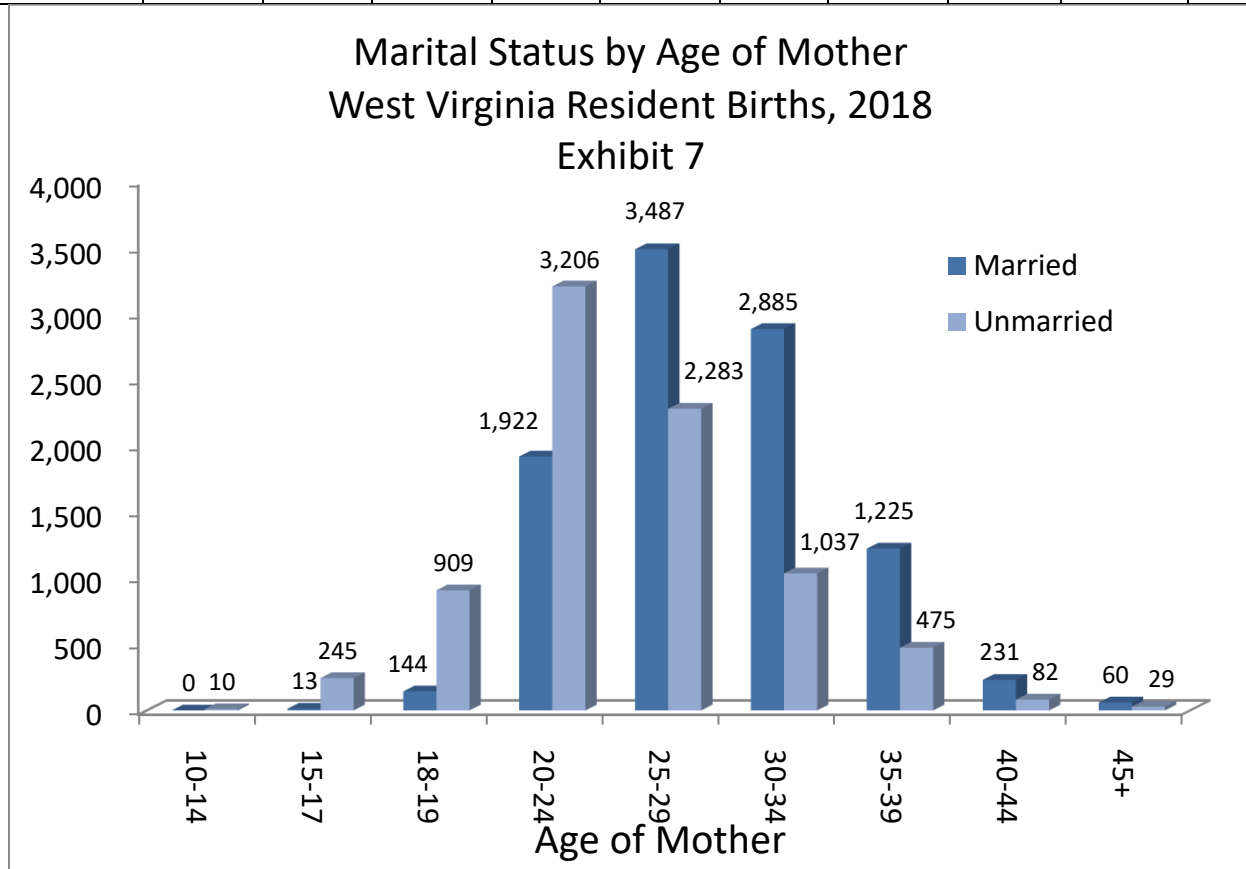


\*See Appendix C, page 182 for grams/pounds conversion.  
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**Marital Status by Age of Mother  
West Virginia Resident Births, 2014-2018**

**Table 8**

Age of Mother	2014		2015		2016		2017		2018	
	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married
10-14	0	25	0	10	0	16	0	10	0	10
15-17	27	474	22	374	18	354	18	271	13	245
18-19	269	1,185	247	1,063	168	1,004	148	976	144	909
20-24	2,479	3,701	2,391	3,512	2,147	3,356	2,070	3,346	1,922	3,206
25-29	3,903	2,047	3,933	2,073	3,710	2,159	3,490	2,249	3,487	2,283
30-34	3,009	1,036	3,033	1,005	2,995	1,082	2,926	1,065	2,885	1,037
35-39	1,358	398	1,274	432	1,246	463	1,266	441	1,225	475
40-44	219	89	265	85	214	76	238	91	231	82
45+	54	29	37	22	39	23	51	23	60	29
Unknown	1	0	0	0	0	0	0	0	0	0
<b>WV Total</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>	<b>9,967</b>	<b>8,276</b>



\*Includes unknown marital status: 2014 – 23; 2015 – 33; 2016 – 25; 2017 – 4; 2018 - 25

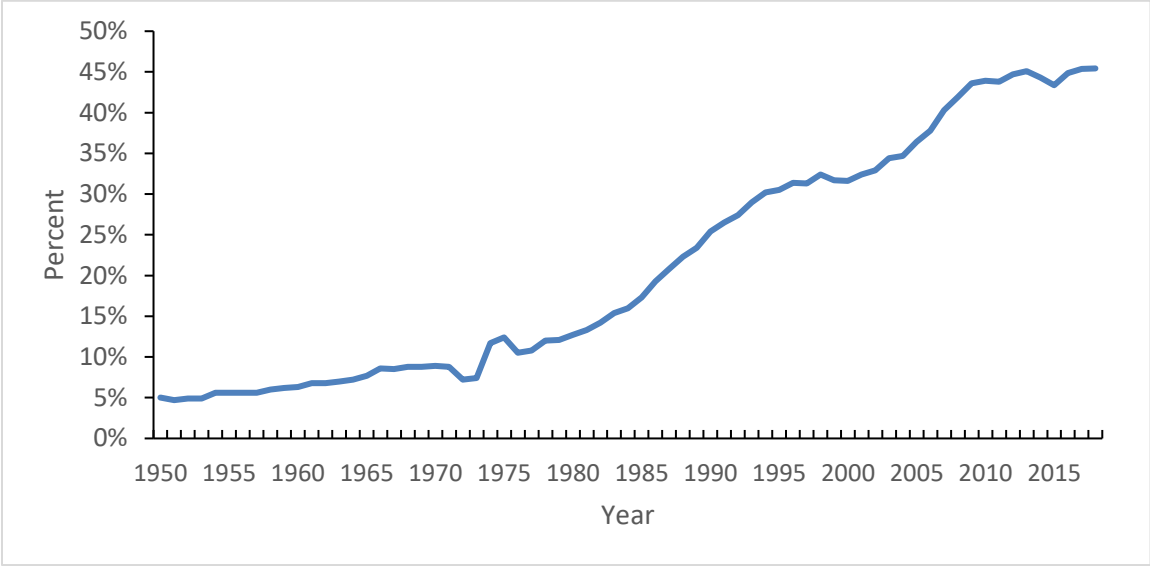
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**Percent of Births to Unmarried Mothers  
West Virginia Residents, 1950-2018**

**Exhibit 8**



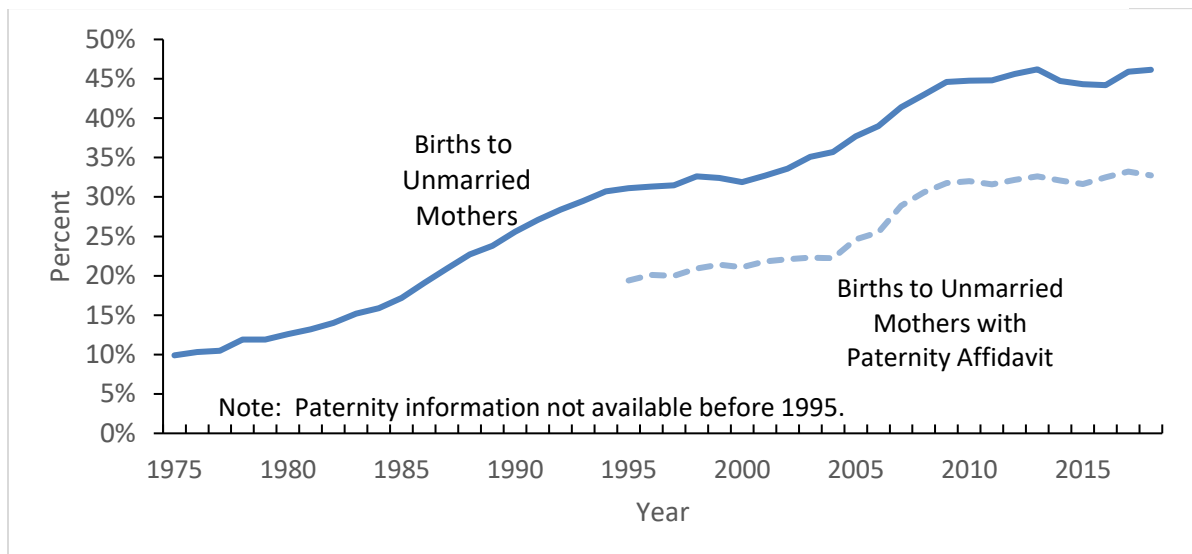
Year	Resident Births to Unmarried Mothers	
	Number	Percent of Total Births
1950	2,519	5.0%
1955	2,472	5.6%
1960	2,485	6.3%
1965	2,464	7.7%
1970	2,699	8.9%
1975	3,471	12.4%
1980	3,743	12.7%
1985	4,159	17.3%
1990	5,739	25.4%
1995	6,462	30.5%
2000	6,595	31.6%
2005	7,589	36.4%
2010	8,970	43.9%
2011	9,059	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%
2018	8,276	45.4%

Note: 2010 through 2018 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, 1975-2018

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%
2018	8,772	46.1%	6,225	32.7%

Note: 2008 through 2018 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, 2018  
Table 9

Factor	White Or Caucasian		Black or African American		All Other Races		Unknown	Total	
	Number	Percent*	Number	Percent*	Number	Percent*		Number	Number
Total Births	16,908		647		650		38	18,243	
<u>Low Birthweight</u> (< 2,500)	1,555	9.2%	92	14.2%	64	9.8%	5	1,716	9.4%
<u>Maternal Age</u>									
Mothers < 20 Years	1,222	7.2%	43	6.6%	56	8.6%	0	1,321	7.2%
Mothers < 15 Years	8	0.0%	1	0.2%	1	0.2%	0	10	0.1%
<u>Entry Into Prenatal Care</u>									
First Trimester	13,375	79.9%	435	68.9%	463	71.8%	18	14,291	79.1%
Second Trimester	2,324	13.9%	134	21.2%	126	19.5%	9	2,593	14.4%
Third Trimester	752	4.5%	47	7.4%	38	5.9%	5	842	4.7%
No Prenatal Care	293	1.7%	15	2.4%	18	2.8%	6	332	1.8%
Unknown	164		16		5		0	185	
<u>Gestational Age</u>									
< 32 Weeks	286	1.7%	19	2.9%	10	1.5%	1	316	1.7%
32-36 Weeks	1,703	10.1%	73	11.3%	66	10.2%	6	1,848	10.1%
37-38 Weeks	5,012	29.7%	203	31.4%	190	29.3%	10	5,415	29.7%
39+ Weeks	9,900	58.6%	352	54.4%	383	59.0%	21	10,656	58.4%
Unknown	7		0		1		0	8	
<u>Place of Birth</u>									
Hospital*	16,808	99.4%	647	100.0%	646	99.4%	38	18,139	99.4%
Non-Hospital	100	0.6%	0	0.0%	4	0.6%	0	104	0.6%
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

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2022

Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2018  
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	14,291	79.1%	2,593	14.4%	842	4.7%	332	1.8%	185	18,243
Mother's Marital Status										
Married	8,356	84.8%	1,060	10.8%	351	3.6%	90	0.9%	85	9,942
Not Married	5,921	72.4%	1,526	18.7%	489	6.0%	240	2.9%	100	8,276
Unknown	14	56.0%	7	28.0%	2	8.0%	2	8.0%	0	25
Mother's Educational Level										
8th Grade or Less	117	62.6%	54	28.9%	13	7.0%	3	1.6%	1	188
9th-12th Grade, No Diploma	1,409	67.1%	441	21.0%	164	7.8%	86	4.1%	37	2,137
High School Graduate or GED Completed	4,437	75.8%	978	16.7%	307	5.2%	128	2.2%	60	5,910
Some College Credit but No Degree	3,106	78.6%	577	14.6%	202	5.1%	66	1.7%	37	3,988
Associate's Degree	1,588	86.4%	179	9.7%	49	2.7%	22	1.2%	22	1,860
Bachelor's Degree	2,201	87.5%	237	9.4%	63	2.5%	14	0.6%	19	2,534
Master's Degree	1,060	90.3%	85	7.2%	23	2.0%	6	0.5%	7	1,181
Doctorate or Professional Degree	346	89.4%	29	7.5%	12	3.1%	0	0.0%	1	388
Unknown	27	48.2%	13	23.2%	9	16.1%	7	12.5%	1	57
Mother's Race: White or Caucasian	13,375	79.9%	2,324	13.9%	752	4.5%	293	1.7%	164	16,908
Mother's Marital Status										
Married	7,975	85.3%	970	10.4%	314	3.4%	86	0.9%	78	9,423
Not Married	5,399	73.0%	1,354	18.3%	438	5.9%	207	2.8%	86	7,484
Unknown	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	1
Mother's Educational Level										
8th Grade or Less	109	63.0%	49	28.3%	12	6.9%	3	1.7%	1	174
9th-12th Grade, No Diploma	1,305	67.5%	406	21.0%	149	7.7%	74	3.8%	33	1,967
High School Graduate or GED Completed	4,184	76.3%	892	16.3%	288	5.3%	120	2.2%	54	5,538
Some College Credit but No Degree	2,880	79.3%	516	14.2%	178	4.9%	59	1.6%	34	3,667
Associate's Degree	1,523	86.9%	162	9.2%	49	2.8%	19	1.1%	20	1,773
Bachelor's Degree	2,068	88.9%	203	8.7%	45	1.9%	11	0.5%	15	2,342
Master's Degree	993	91.1%	72	6.6%	19	1.7%	6	0.6%	5	1,095
Doctorate or Professional Degree	308	91.7%	20	6.0%	8	2.4%	0	0.0%	1	337
Unknown	5	35.7%	4	28.6%	4	28.6%	1	7.1%	1	15

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2022

\*Percentages are calculated excluding unknown.

Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2018  
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*		
Mother's Race: Black or African American	435	68.9%	134	21.2%	47	7.4%	15	2.4%	16	647
<u>Mother's Marital Status</u>										
Married	130	74.7%	26	14.9%	18	10.3%	0	0.0%	4	178
Not Married	305	66.7%	108	23.6%	29	6.3%	15	3.3%	12	469
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
<u>Mother's Educational Level</u>										
8th Grade or Less	2	66.7%	1	33.3%	0	0.0%	0	0.0%	0	3
9th-12th Grade, No Diploma	61	67.8%	14	15.6%	8	8.9%	7	7.8%	3	93
High School Graduate or GED Completed	142	68.3%	53	25.5%	9	4.3%	4	1.9%	5	213
Some College Credit but No Degree	121	68.0%	38	21.3%	16	9.0%	3	1.7%	3	181
Associate's Degree	34	77.3%	10	22.7%	0	0.0%	0	0.0%	1	45
Bachelor's Degree	40	64.5%	11	17.7%	10	16.1%	1	1.6%	2	64
Master's Degree	26	81.3%	4	12.5%	2	6.3%	0	0.0%	2	34
Doctorate or Professional Degree	9	64.3%	3	21.4%	2	14.3%	0	0.0%	0	14
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
Mother's Race: All Other Races	463	71.8%	126	19.5%	38	5.9%	18	2.8%	5	650
<u>Mother's Marital Status</u>										
Married	249	75.5%	63	19.1%	17	5.2%	1	0.3%	3	333
Not Married	214	67.9%	63	20.0%	21	6.7%	17	5.4%	2	317
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0
<u>Mother's Educational Level</u>										
8th Grade or Less	6	54.5%	4	36.4%	1	9.1%	0	0.0%	0	11
9th-12th Grade, No Diploma	43	56.6%	21	27.6%	7	9.2%	5	6.6%	1	77
High School Graduate or GED Completed	111	70.3%	33	20.9%	10	6.3%	4	2.5%	1	159
Some College Credit but No Degree	105	75.0%	23	16.4%	8	5.7%	4	2.9%	0	140
Associate's Degree	31	75.6%	7	17.1%	0	0.0%	3	7.3%	1	42
Bachelor's Degree	93	73.8%	23	18.3%	8	6.3%	2	1.6%	2	128
Master's Degree	41	78.8%	9	17.3%	2	3.8%	0	0.0%	0	52
Doctorate or Professional Degree	29	78.4%	6	16.2%	2	5.4%	0	0.0%	0	37
Unknown	4	100.0%	0	0.0%	0	0.0%	0	0.0%	0	4

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, 2018  
Table 11

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		Un- known
		Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	
Berkeley Medical Center	1,080	763	70.6%	18	1.7%	299	27.7%	196	18.1%	103	9.5%	0
Bluefield Regional Medical Center	526	325	61.8%	5	1.0%	196	37.3%	128	24.3%	68	12.9%	0
C.A.M.C. - Women & Children's Hospital	2,781	1,680	60.4%	45	1.6%	1,056	38.0%	582	20.9%	474	17.0%	0
Cabell-Huntington Hospital	2,666	1,669	62.6%	29	1.1%	968	36.3%	529	19.8%	439	16.5%	0
Camden-Clark Medical Center Memorial Campus	1,290	747	57.9%	11	0.9%	532	41.2%	257	19.9%	275	21.3%	0
Davis Medical Center	255	177	69.4%	1	0.4%	77	30.2%	39	15.3%	38	14.9%	0
Fairmont Regional Medical Center	91	70	76.9%	4	4.4%	17	18.7%	6	6.6%	11	12.1%	0
Grant Memorial Hospital	258	147	57.0%	0	0.0%	111	43.0%	65	25.2%	46	17.8%	0
Greenbrier Valley Medical Center	439	328	74.7%	5	1.1%	106	24.1%	71	16.2%	35	8.0%	0
Hampshire Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Jackson General Hospital	2	1	50.0%	0	0.0%	1	50.0%	1	50.0%	0	0.0%	0
Logan Regional Medical Center	193	108	56.0%	0	0.0%	85	44.0%	84	43.5%	1	0.5%	0
Monongalia General Hospital	1,118	779	69.7%	15	1.3%	324	29.0%	174	15.6%	150	13.4%	0
Ohio Valley Medical Center	249	153	61.4%	3	1.2%	93	37.3%	57	22.9%	36	14.5%	0
Pleasant Valley Hospital	115	79	68.7%	3	2.6%	33	28.7%	15	13.0%	18	15.7%	0
Potomac Valley Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Preston Memorial Hospital	3	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Princeton Community Hospital	551	394	71.5%	5	0.9%	152	27.6%	87	15.8%	65	11.8%	0
Raleigh General Hospital	987	678	68.7%	14	1.4%	295	29.9%	155	15.7%	140	14.2%	0
St. Joseph's Hospital	313	230	73.5%	3	1.0%	80	25.6%	46	14.7%	34	10.9%	0
St. Mary's Medical Center	361	255	70.6%	4	1.1%	102	28.3%	66	18.3%	36	10.0%	0
Stonewall Jackson Memorial Hospital	164	88	53.7%	6	3.7%	70	42.7%	38	23.2%	32	19.5%	0
Summers County Appalachian Regional Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Summersville Regional Medical Center	4	4	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Thomas Memorial Hospital	953	521	54.7%	11	1.2%	421	44.2%	187	19.6%	234	24.6%	0
United Hospital Center	1,056	730	69.1%	30	2.8%	296	28.0%	155	14.7%	141	13.4%	0
University Healthcare Jefferson Medical Center	181	124	68.5%	3	1.7%	54	29.8%	26	14.4%	28	15.5%	0
WVU Hospitals, Inc.	1,483	888	59.9%	39	2.6%	556	37.5%	358	24.1%	198	13.4%	0
Weirton Medical Center	451	278	61.6%	7	1.6%	166	36.8%	86	19.1%	80	17.7%	0
Wheeling Hospital	1,309	841	64.2%	10	0.8%	458	35.0%	366	28.0%	92	7.0%	0
WomenCare Birth Center	12	12	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
---Non-Hospital	147	137	93.8%	9	6.2%	0	0.0%	0	0.0%	0	0.0%	1
West Virginia Total Occurrences	19,041	12,212	64.1%	280	1.5%	6,548	34.4%	3,774	19.8%	2,774	14.6%	1

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, 2018  
 Table 12

Hospital	Method of Delivery											Un- known
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		
		Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	
Berkeley Medical Center	661	489	74.0%	11	1.7%	161	24.4%	113	17.1%	48	7.3%	0
Bluefield Regional Medical Center	287	187	65.2%	4	1.4%	96	33.4%	62	21.6%	34	11.8%	0
C.A.M.C. - Women & Children's Hospital	1,357	847	62.4%	29	2.1%	481	35.4%	260	19.2%	221	16.3%	0
Cabell-Huntington Hospital	1,377	926	67.2%	12	0.9%	439	31.9%	211	15.3%	228	16.6%	0
Camden-Clark Medical Center Memorial Campus	627	381	60.8%	10	1.6%	236	37.6%	123	19.6%	113	18.0%	0
Davis Medical Center	174	130	74.7%	1	0.6%	43	24.7%	21	12.1%	22	12.6%	0
Fairmont Regional Medical Center	64	49	76.6%	3	4.7%	12	18.8%	4	6.3%	8	12.5%	0
Grant Memorial Hospital	183	105	57.4%	0	0.0%	78	42.6%	42	23.0%	36	19.7%	0
Greenbrier Valley Medical Center	307	229	74.6%	3	1.0%	75	24.4%	47	15.3%	28	9.1%	0
Hampshire Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Jackson General Hospital	1	0	0.0%	0	0.0%	1	100.0%	1	100.0%	0	0.0%	0
Logan Regional Medical Center	103	62	60.2%	0	0.0%	41	39.8%	41	39.8%	0	0.0%	0
Monongalia General Hospital	801	562	70.2%	7	0.9%	232	29.0%	126	15.7%	106	13.2%	0
Ohio Valley Medical Center	150	93	62.0%	2	1.3%	55	36.7%	36	24.0%	19	12.7%	0
Pleasant Valley Hospital	87	58	66.7%	2	2.3%	27	31.0%	11	12.6%	16	18.4%	0
Potomac Valley Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Preston Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Princeton Community Hospital	306	222	72.5%	2	0.7%	82	26.8%	46	15.0%	36	11.8%	0
Raleigh General Hospital	613	423	69.0%	7	1.1%	183	29.9%	96	15.7%	87	14.2%	0
St. Joseph's Hospital	212	159	75.0%	1	0.5%	52	24.5%	26	12.3%	26	12.3%	0
St. Mary's Medical Center	244	172	70.5%	3	1.2%	69	28.3%	45	18.4%	24	9.8%	0
Stonewall Jackson Memorial Hospital	118	65	55.1%	5	4.2%	48	40.7%	23	19.5%	25	21.2%	0
Summers County Appalachian Regional Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Summersville Regional Medical Center	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Thomas Memorial Hospital	552	288	52.2%	7	1.3%	257	46.6%	114	20.7%	143	25.9%	0
United Hospital Center	669	469	70.1%	20	3.0%	180	26.9%	92	13.8%	88	13.2%	0
University Healthcare Jefferson Medical Center	126	92	73.0%	2	1.6%	32	25.4%	14	11.1%	18	14.3%	0
WVU Hospitals, Inc.	673	472	70.1%	26	3.9%	175	26.0%	103	15.3%	72	10.7%	0
Weirton Medical Center	305	190	62.3%	6	2.0%	109	35.7%	51	16.7%	58	19.0%	0
Wheeling Hospital	875	576	65.8%	7	0.8%	292	33.4%	230	26.3%	62	7.1%	0
WomenCare Birth Center	11	11	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
---Non-Hospital	97	90	92.8%	7	7.2%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	10,982	7,349	66.9%	177	1.6%	3,456	31.5%	1,938	17.6%	1,518	13.8%	0

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, 2018  
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	340	279	82.1%	3	0.9%	58	17.1%	57	16.8%	1	0.3%	0
Bluefield Regional Medical Center	249	199	79.9%	1	0.4%	49	19.7%	43	17.3%	6	2.4%	0
C.A.M.C. - Women & Children's Hospital	2,558	1,613	63.1%	41	1.6%	904	35.3%	512	20.0%	392	15.3%	0
Cabell-Huntington Hospital	1,573	1,330	84.6%	14	0.9%	229	14.6%	196	12.5%	33	2.1%	0
Camden-Clark Medical Center Memorial Campus	384	308	80.2%	5	1.3%	71	18.5%	65	16.9%	6	1.6%	0
Davis Medical Center	74	61	82.4%	0	0.0%	13	17.6%	13	17.6%	0	0.0%	0
Fairmont Regional Medical Center	33	28	84.8%	2	6.1%	3	9.1%	3	9.1%	0	0.0%	0
Grant Memorial Hospital	106	81	76.4%	0	0.0%	25	23.6%	25	23.6%	0	0.0%	0
Greenbrier Valley Medical Center	219	185	84.5%	2	0.9%	32	14.6%	31	14.2%	1	0.5%	0
Hampshire Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Jackson General Hospital	1	0	0.0%	0	0.0%	1	100.0%	1	100.0%	0	0.0%	0
Logan Regional Medical Center	63	48	76.2%	0	0.0%	15	23.8%	15	23.8%	0	0.0%	0
Monongalia General Hospital	372	298	80.1%	7	1.9%	67	18.0%	65	17.5%	2	0.5%	0
Ohio Valley Medical Center	83	57	68.7%	1	1.2%	25	30.1%	25	30.1%	0	0.0%	0
Pleasant Valley Hospital	41	32	78.0%	1	2.4%	8	19.5%	8	19.5%	0	0.0%	0
Potomac Valley Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Preston Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Princeton Community Hospital	290	243	83.8%	3	1.0%	44	15.2%	42	14.5%	2	0.7%	0
Raleigh General Hospital	374	316	84.5%	2	0.5%	56	15.0%	56	15.0%	0	0.0%	0
St. Joseph's Hospital	134	107	79.9%	1	0.7%	26	19.4%	20	14.9%	6	4.5%	0
St. Mary's Medical Center	228	182	79.8%	2	0.9%	44	19.3%	40	17.5%	4	1.8%	0
Stonewall Jackson Memorial Hospital	57	44	77.2%	1	1.8%	12	21.1%	12	21.1%	0	0.0%	0
Summers County Appalachian Regional Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Summersville Regional Medical Center	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Thomas Memorial Hospital	490	387	79.0%	9	1.8%	94	19.2%	85	17.3%	9	1.8%	0
United Hospital Center	435	353	81.1%	10	2.3%	72	16.6%	67	15.4%	5	1.1%	0
University Healthcare Jefferson Medical Center	72	56	77.8%	1	1.4%	15	20.8%	15	20.8%	0	0.0%	0
WVU Hospitals, Inc.	608	452	74.3%	21	3.5%	135	22.2%	123	20.2%	12	2.0%	0
Weirton Medical Center	184	151	82.1%	4	2.2%	29	15.8%	26	14.1%	3	1.6%	0
Wheeling Hospital	474	386	81.4%	3	0.6%	85	17.9%	85	17.9%	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	10	9	90.0%	1	10.0%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	9,452	7,205	76.2%	135	1.4%	2,112	22.3%	1,630	17.2%	482	5.1%	0

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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, 2018  
 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	1,080	459	621	57.5%	458	73.8%	21	142
Bluefield Regional Medical Center	526	234	292	55.5%	176	60.3%	5	111
C.A.M.C. - Women & Children's Hospital	2,781	1,521	1,260	45.3%	883	70.1%	25	352
Cabell-Huntington Hospital	2,666	1,432	1,234	46.3%	907	73.5%	39	288
Camden-Clark Medical Center Memorial	1,290	680	610	47.3%	367	60.2%	15	228
Davis Medical Center	255	133	122	47.8%	89	73.0%	3	30
Fairmont Regional Medical Center	91	31	60	65.9%	38	63.3%	5	17
Grant Memorial Hospital	258	122	136	52.7%	112	82.4%	2	22
Greenbrier Valley Medical Center	439	236	203	46.2%	148	72.9%	7	48
Hampshire Memorial Hospital	1	1	0	0.0%	0	0.0%	0	0
Jackson General Hospital	2	1	1	50.0%	0	0.0%	0	1
Logan Regional Medical Center	193	90	103	53.4%	48	46.6%	4	51
Monongalia General Hospital	1,118	774	344	30.8%	261	75.9%	5	78
Ohio Valley Medical Center	249	122	127	51.0%	92	72.4%	3	32
Pleasant Valley Hospital	115	53	62	53.9%	46	74.2%	4	12
Potomac Valley Hospital	1	1	0	0.0%	0	0.0%	0	0
Preston Memorial Hospital	3	1	2	66.7%	2	100.0%	0	0
Princeton Community Hospital	551	309	242	43.9%	158	65.3%	6	78
Raleigh General Hospital	987	440	547	55.4%	331	60.5%	12	204
St. Joseph's Hospital	313	174	139	44.4%	99	71.2%	4	36
St. Mary's Medical Center	361	257	104	28.8%	75	72.1%	5	24
Stonewall Jackson Memorial Hospital	164	69	95	57.9%	62	65.3%	5	28
Summers County Appalachian Regional	1	0	1	100.0%	0	0.0%	0	1
Summersville Regional Medical Center	4	2	2	50.0%	0	0.0%	0	2
Thomas Memorial Hospital	953	486	467	49.0%	361	77.3%	7	99
United Hospital Center	1,056	553	503	47.6%	398	79.1%	8	97
University Healthcare Jefferson Medical	181	87	94	51.9%	77	81.9%	0	17
WVU Hospitals, Inc.	1,483	952	531	35.8%	373	70.2%	10	148
Weirton Medical Center	451	221	230	51.0%	172	74.8%	10	48
Wheeling Hospital	1,309	721	588	44.9%	466	79.3%	9	113
WomenCare Birth Center	12	9	3	25.0%	3	100.0%	0	0
---Non-Hospital	147	98	49	33.3%	23	46.9%	1	25
WV Total Occurrences	19,041	10,269	8,772	46.1%	6,225	71.0%	215	2,332

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Out-of-State Occurrences  
West Virginia Resident Births, 2014-2018  
Table 15

State	2014 Births	2015 Births	2016 Births	2017 Births	2018 Births
Virginia	911	936	868	933	901
Maryland	674	622	622	626	612
Ohio	561	476	418	465	461
Kentucky	140	142	143	167	141
Pennsylvania	99	112	89	106	106
North Carolina	3	3	7	6	4
District of Columbia	4	5	3	2	6
Tennessee	6	2	7	1	2
Florida	0	4	2	1	6
Texas	5	2	3	0	3
Utah	0	1	2	1	2
California	2	1	0	2	0
Georgia	2	0	1	2	0
New Jersey	0	1	1	2	1
All Other States/Countries	6	10	5	8	8
Total	2,413	2,317	2,171	2,322	2,253

Out-of-State Resident Births Born in West Virginia  
West Virginia Occurrence Births, 2014-2018  
Table 16

State	2014 Births	2015 Births	2016 Births	2017 Births	2018 Births
Ohio	1,611	1,733	1,785	1,728	1,788
Kentucky	351	471	415	419	465
Pennsylvania	287	317	352	329	370
Virginia	276	282	276	262	249
Maryland	93	99	96	105	102
North Carolina	6	12	9	5	8
Tennessee	6	7	5	6	7
Texas	7	7	2	6	7
Florida	1	9	7	2	8
South Carolina	4	2	6	4	4
Louisiana	3	1	4	2	4
Georgia	3	1	1	3	4
New York	2	3	2	2	3
Alabama	2	1	1	2	5
Illinois	3	1	3	4	0
Michigan	3	1	3	1	3
All Other States/Countries	8	18	23	18	24
Total	2,666	2,965	2,990	2,898	3,051

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# West Virginia Vital Statistics

## **Deaths**

## Death Summary

The number of West Virginia resident deaths increased by 172, from 23,290 in 2017 to 23,462 in 2018. The state's crude death rate rose from 2017 at 12.8 per 1,000 population to 13.0 in 2018. The average age at death for West Virginians in 2018 was 72.0 (69.0 for men and 75.2 for women), compared to the 2017 average of 71.7 (68.9 for men and 74.7 for women). In 2018, 144 West Virginia residents who died were age 100 or older. The oldest man was 106 years old while the oldest woman was 108 years old at the time of death.

Heart disease was the leading cause of death in the Mountain State for the third straight year. Heart disease, cancer and chronic lower respiratory disease were the three leading causes of death, accounting for 48.7% of West Virginia resident deaths in 2018. Compared with 2017, the number of state deaths due to heart disease increased by 148 or 3.0%, while cancer deaths increased by 18 or 0.4%. Influenza/pneumonia deaths (the ninth leading cause of death in West Virginia) were also on the rise in 2018, increasing by 17.2% from 2017. Deaths caused by nephritis, nephrotic syndrome and nephrosis (the tenth leading cause) increased by 55 or 12.6%. Diabetes mellitus deaths increased by 68 or 7.9% and dementia, the seventh leading cause of death in Mountain State increased by 16 or 1.8%. Alzheimer's disease remained the eighth leading cause of death in West Virginia increasing by 19 or 2.5%. Deaths due to stroke, which remained the fifth leading cause of death, decreased by 69 or 6.5%.

Accidental deaths were the fourth leading cause of death in West Virginia for the first time in three years. The number of accidental deaths declined by 167 (8.9%), from 1,880 in 2017 to 1,713 in 2018. 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 (50.5%) of all deaths for this age group in 2018. Motor vehicle accident deaths decreased by only four or 1.2%, from 337 in 2017 to 333 in 2018. West Virginia's 2018 motor vehicle fatalities included seven children under five years of age, three more than 2017. Accidental poisoning deaths were still a major concern in West Virginia, but it decreased by 139 (14.3%) from 974 in 2017 to 835 in 2018. Accidental poisoning accounted for forty percent (39.9%) of all deaths in the age group of 25-34.

Suicides increased by nine, from 395 to 404 between 2017 and 2018. Male suicides increased by 13 or 4.2%, from 308 in 2017 to 321 in 2018; the number of female suicides (83) was four less or 4.6% than the 87 in 2017. Sixty-four percent (64.4%) of all suicide deaths were firearm related; 66.7% of male suicides and 55.4% of female suicides. The average age of death for suicide in 2018 was 47.5 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 14 in 2018, three more than 2017.

Homicides decreased by nine or 8.0%, from 112 in 2017 to 103 in 2018. Seventy-four of the homicide victims were male, 29 were female. The average age at death for a homicide victim in 2018 was 39.4 years. There were six homicide victims under the age of five in 2018, one more than 2017. Nearly two-thirds (66.0%) of 2018 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 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.

Whether tobacco was a contributory factor in West Virginia resident deaths was not reported for over half of the deaths in 2018. Less than one-third (31.5%) where it was reported, tobacco was either a definite or a probable contributing factor. There were 487 female resident deaths among women of childbearing age, age 15-44, with 25 of those women reported as either being pregnant at the time or within one year of their death. However, 329 of the deaths (67.6%) had an unknown or no listing. Slightly over half (54.7%) of the 333 motor vehicle accident deaths reported whether a seatbelt was worn. Only 42.9% of those deaths reported a seatbelt was worn at the time of death. The transportation role was more accurately reported with 274 (82.3%) of the motor vehicle deaths. Two-thirds (66.8%) of the motor vehicle fatalities were the driver and over twenty percent (21.9%) were passengers. The remaining 11.3% involved a pedestrian or some other role.

### 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 46 would, therefore, contribute 29 years to the total YPLL (75-46=29). YPLL is an important tool in emphasizing and evaluating causes of premature death.

The YPLL from all causes decreased 2.2%, from 193,917 YPLL in 2017 to 189,635 in 2018. The four leading causes of YPLL in 2018 were malignant neoplasms (34,072 YPLL), non-motor vehicle accidents (32,434 YPLL), diseases of the heart (26,710 YPLL) and suicides (11,282 YPLL). Combined, these four causes accounted for over half (55.1%) of all years of potential life lost in 2018. In comparison to 2017, YPLL attributed to malignant neoplasms increased from 17.4% to 18.0% of the total YPLL, non-motor vehicle accidents decreased from 19.4% to 17.1%, YPLL due

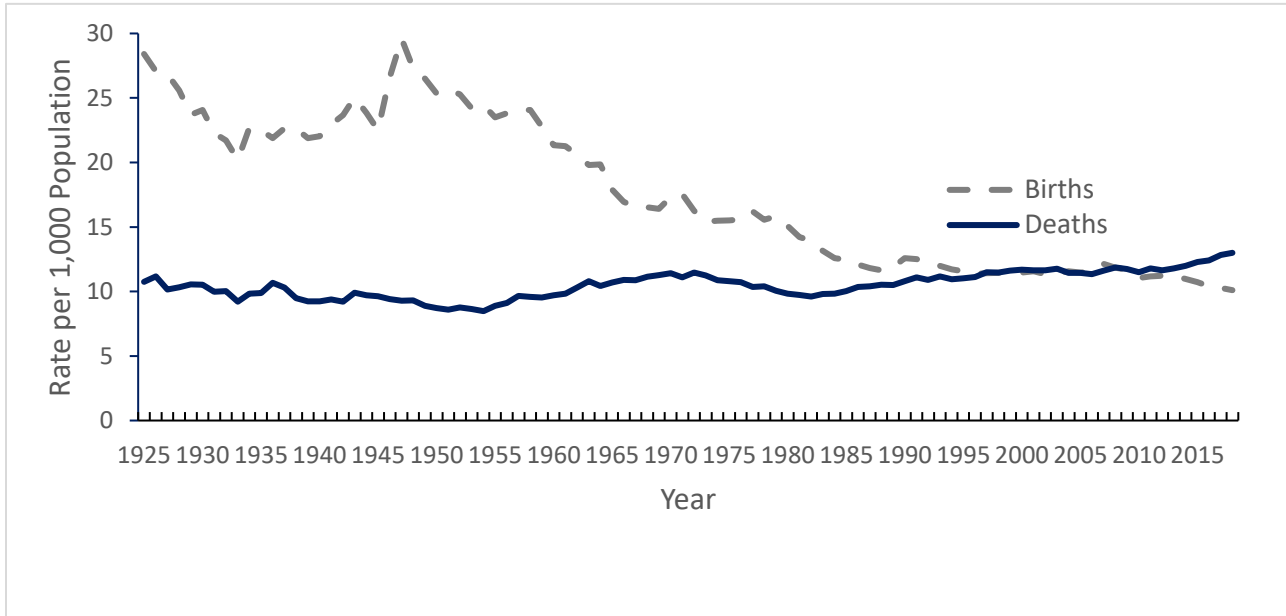
to diseases of the heart increased from 12.7% to 14.1% and the percentage of total YPLL due to suicides increased from 5.4% to 5.9%.

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, 1925-2018

### 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
2018	23,462	13.0	18,243	10.1

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Summary Totals  
West Virginia Resident Deaths, 2018  
Table 17

Characteristic	Number	Percent	Characteristic	Number	Percent
<u>Total</u>			<u>Place Death Occurred</u>		
Residence	23,462	100.0%	WV Hospital	7,281	31.0%
Occurrence	22,921		Home	7,131	30.4%
<u>Gender</u>			Licensed Nursing Home	3,824	16.3%
Male	12,125	51.7%	Hospice Care	2,521	10.7%
Female	11,337	48.3%	Named Place or Street Address	0	0.0%
<u>Disposition of Death</u>			Out-of-State Hospital	1,514	6.5%
Burial	12,308	53.8%	Other Personal Care	1,115	4.8%
Cremation	8,812	38.5%	En Route to Hospital	76	0.3%
Removal from State	1,190	5.2%	Clinic or Center	0	0.0%
Donation	519	2.3%	Other and Unknown	0	0.0%
Other	58	0.3%	<u>Race</u>		
Unknown	575		White or Caucasian	22,645	96.5%
<u>Age at Death</u>			Black or African American	708	3.0%
Less than One Year of Age	128	0.5%	All Other Races	109	0.5%
One to Four Years	17	0.1%	<u>Leading Causes of Death</u>		
Five to Fourteen Years	39	0.2%	Diseases of the Heart	5,015	21.4%
Fifteen to Nineteen Years	57	0.2%	Malignant Neoplasms	4,676	19.9%
Twenty to Twenty-Four Years	139	0.6%	Accidents, All Forms	1,723	7.3%
Twenty-Five to Thirty-Four Years	511	2.2%	Chronic Lower Respiratory Disease	1,713	7.3%
Thirty-Five to Forty-Four Years	770	3.3%	Cerebrovascular Disease	989	4.2%
Forty-Five to Fifty-Four Years	1,540	6.6%	Dementia	932	4.0%
Fifty-Five to Sixty-Four Years	3,380	14.4%	Diabetes Mellitus	920	3.9%
Sixty-Five to Seventy-Four Years	5,002	21.3%	Alzheimer's Disease	790	3.4%
Seventy-Five to Eighty-Four Years	5,824	24.8%	Influenza and Pneumonia	539	2.3%
Eighty-Five Years and Older	6,055	25.8%	Nephritis, Nephrotic Syndrome and Nephrosis	491	2.1%
			All Other Causes (Residual)	5,674	24.2%

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, 2014-2018  
Table 18

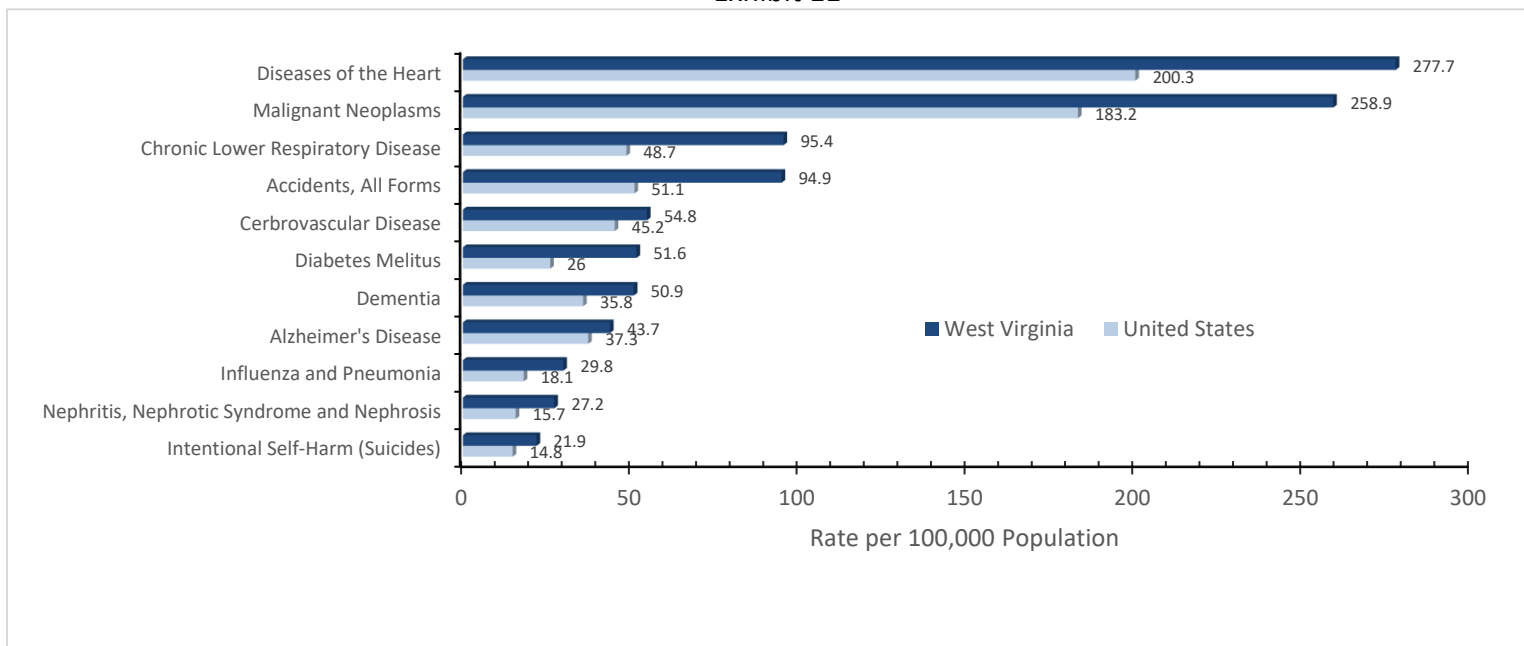
State	2014 Deaths	2015 Deaths	2016 Deaths	2017 Deaths	2018 Deaths
Ohio	681	604	709	671	665
Virginia	609	603	578	621	537
Maryland	274	301	259	281	286
Pennsylvania	208	171	289	293	254
Kentucky	178	178	200	252	238
North Carolina	53	71	60	77	74
Florida	46	46	50	47	59
South Carolina	14	17	20	23	21
Tennessee	12	20	4	22	37
District of Columbia	15	20	19	16	16
Georgia	11	11	7	9	8
California	5	2	10	8	8
Texas	8	5	3	9	8
All Other States/Countries	33	56	51	51	50
Total	2,147	2,105	2,259	2,380	2,261

Deaths to Out-of-State Residents  
West Virginia Occurrence Deaths, 2014-2018  
Table 19

State	2014 Deaths	2015 Deaths	2016 Deaths	2017 Deaths	2018 Deaths
Ohio	800	845	807	818	840
Virginia	169	192	183	178	192
Pennsylvania	161	178	147	177	183
Maryland	145	157	155	187	164
Kentucky	184	155	121	145	156
Florida	18	25	27	39	35
North Carolina	23	17	13	18	24
Michigan	11	6	12	21	14
South Carolina	8	5	6	16	16
Tennessee	8	10	6	8	7
Texas	9	2	8	9	8
New York	7	6	7	4	8
All Other States/Countries	45	42	47	46	73
Total	1,588	1,640	1,539	1,666	1,720

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**2018 West Virginia and United States Resident Deaths**  
**Leading Causes of Death**  
**Exhibit 11**



Leading Cause of Death	West Virginia			United States*		
	Number of Deaths	Rate per 100,000 Population	Percent of Total	Number of Deaths	Rate per 100,000 Population	Percent of Total
Diseases of the Heart	5,015	277.7	21.4%	655,381	200.3	23.1%
Malignant Neoplasms	4,676	258.9	19.9%	599,274	183.2	21.1%
Chronic Lower Respiratory Disease	1,723	95.4	7.3%	159,486	48.7	5.6%
Accidents, All Forms	1,713	94.9	7.3%	167,127	51.1	5.9%
Cerebrovascular Disease	989	54.8	4.2%	147,810	45.2	5.2%
Diabetes Mellitus	932	51.6	4.0%	84,946	26.0	3.0%
Dementia	920	50.9	3.9%	117,202	35.8	4.1%
Alzheimer's Disease	790	43.7	3.4%	122,019	37.3	4.3%
Influenza and Pneumonia	539	29.8	2.3%	59,120	18.1	2.1%
Nephritis, Nephrotic Syndrome and Nephrosis	491	27.2	2.1%	51,386	15.7	1.8%
Intentional Self-Harm (Suicides)	404	22.4	1.7%	48,344	14.8	1.7%
Total for Leading Causes	18,192	1,007.4	77.5%	2,212,095	676.1	77.9%
All Other Causes (Residual)	5,270	291.8	22.5%	627,110	191.7	22.1%
Total for All Causes	23,462	1,299.2	100.0%	2,839,205	867.8	100.0%

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

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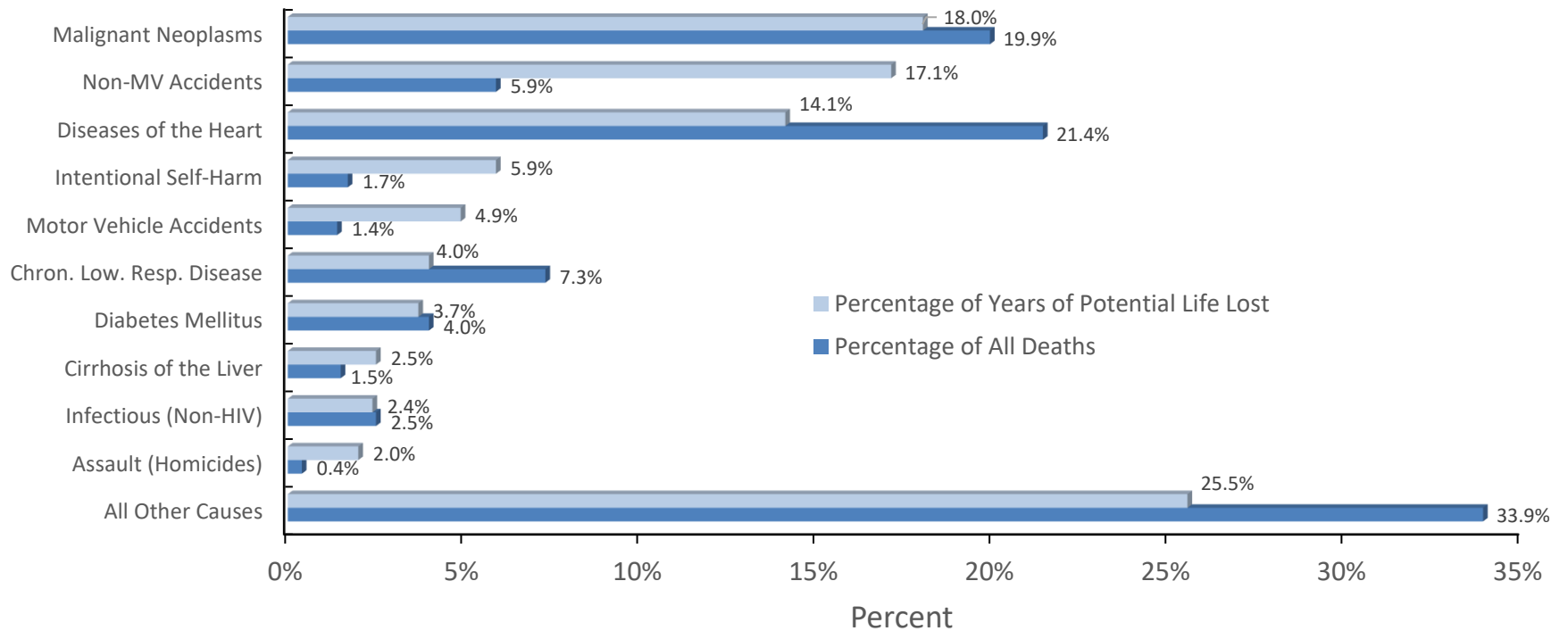
Top Twenty Leading Causes of Years of Potential Life Lost Before Age 75\*  
 Compared to Actual Deaths of All Ages  
 West Virginia Residents, 2017 and 2018  
 Table 20

Cause of Death	Years of Potential Life Lost Before Age 75				Actual Deaths			
	2017		2018		2017		2018	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Causes	193,917	100.0%	189,635	100.0%	23,290	100.0%	23,462	100.0%
Malignant Neoplasms (Cancer)	33,724	17.4%	34,072	18.0%	4,658	20.0%	4,676	19.9%
Non-Motor Vehicle Accidents	37,659	19.4%	32,434	17.1%	1,543	6.6%	1,380	5.9%
Diseases of the Heart	24,548	12.7%	26,710	14.1%	4,867	20.9%	5,015	21.4%
Intentional Self-Harm (Suicides)	10,488	5.4%	11,282	5.9%	395	1.7%	404	1.7%
Motor Vehicle Accidents	10,077	5.2%	9,384	4.9%	337	1.4%	333	1.4%
Chronic Lower Respiratory Diseases	7,995	4.1%	7,547	4.0%	1,679	7.2%	1,723	7.3%
Diabetes Mellitus	6,955	3.6%	6,949	3.7%	864	3.7%	932	4.0%
Chronic Liver Disease and Cirrhosis	4,663	2.4%	4,727	2.5%	338	1.5%	352	1.5%
Infectious and Parasitic Diseases (excluding HIV)	4,280	2.2%	4,505	2.4%	541	2.3%	581	2.5%
Assault (Homicides)	3,846	2.0%	3,709	2.0%	112	0.5%	103	0.4%
Alcohol or Drug Psychoses, Dependence or Abuse	3,389	1.7%	3,576	1.9%	151	0.6%	158	0.7%
Cerebrovascular Diseases (Stroke)	3,759	1.9%	3,558	1.9%	1,058	4.5%	989	4.2%
Congenital Malformations	3,693	1.9%	3,192	1.7%	77	0.3%	67	0.3%
Nephritis, Nephrotic Syndrome and Nephrosis	1,913	1.0%	2,747	1.4%	436	1.9%	491	2.1%
Influenza and Pneumonia	1,764	0.9%	2,577	1.4%	460	2.0%	539	2.3%
Obesity	2,028	1.0%	1,705	0.9%	108	0.5%	94	0.4%
Injury Undetermined Whether Accidental or Purposely Inflicted	1,588	0.8%	1,618	0.9%	54	0.2%	48	0.2%
Essential Hypertension and Hypertensive Renal Disease	2,203	1.1%	1,576	0.8%	324	1.4%	256	1.1%
Disorders Relating to Short Gestation and Unspecified Low Birthweight	596	0.3%	961	0.5%	8	0.0%	13	0.1%
Benign Neoplasms/Neoplasms of Unknown Behavior	524	0.3%	758	0.4%	122	0.5%	118	0.5%
All Other Causes (Residual)	28,228	14.6%	26,051	13.7%	5,158	22.1%	5,190	22.1%

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\*Top 20 leading causes in 2018.

Top Ten Causes of Years of Potential Life Lost Before Age 75  
 Compared to Resident Deaths of All Ages  
 West Virginia Resident Deaths, 2018  
 Exhibit 12



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Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2018  
Table 21

Leading Causes of Death	Total, All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	12,125		11,337		23,462	
Diseases of the Heart	2,689	22.2%	2,326	20.5%	5,015	21.4%
Malignant Neoplasms (Cancer)	2,524	20.8%	2,152	19.0%	4,676	19.9%
Chronic Lower Respiratory Disease	817	6.7%	906	8.0%	1,723	7.3%
Accidents, All Forms	1,093	9.0%	620	5.5%	1,713	7.3%
Cerebrovascular Disease (Stroke)	416	3.4%	573	5.1%	989	4.2%
Diabetes Mellitus	505	4.2%	427	3.8%	932	4.0%
Dementia	293	2.4%	627	5.5%	920	3.9%
Alzheimer's Disease	233	1.9%	557	4.9%	790	3.4%
Influenza and Pneumonia	260	2.1%	279	2.5%	539	2.3%
Nephritis, Nephrotic Syndrome and Nephrosis	259	2.1%	232	2.0%	491	2.1%
All Other Causes (Residual)	3,036	25.0%	2,638	23.3%	5,674	24.2%

Leading Causes of Death	Less than One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	73		55		128	
Congenital Malformations	13	17.8%	17	30.9%	30	23.4%
Disorders Relating to Short Gestation/Unspecified LBW	9	12.3%	3	5.5%	12	9.4%
Accidents, All Forms	4	5.5%	2	3.6%	6	4.7%
Sudden Infant Death Syndrome	3	4.1%	3	5.5%	6	4.7%
Maternal Complications of Pregnancy	4	5.5%	1	1.8%	5	3.9%
Infections Specific to the Perinatal Period	2	2.7%	2	3.6%	4	3.1%
Infectious and Parasitic Diseases	1	4.1%	3	1.8%	4	3.1%
Injury Undetermined Whether Accidental or Purposely Inflicted	3	4.1%	1	1.8%	4	3.1%
Respiratory Distress Syndrome	3	4.1%	1	1.8%	4	3.1%
Complications of Placenta, Cord, and Membrane	3	4.1%	0	0.0%	3	2.3%
Neonatal Hemorrhage	2	2.7%	1	1.8%	3	2.3%
All Other Causes (Residual)	26	35.6%	21	38.2%	47	36.7%

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	8		9		17	
Accidents, All Forms	3	37.5%	4	44.4%	7	41.2%
Assault (Homicides)	2	25.0%	2	22.2%	4	23.5%
Ill-Defined Conditions	1	12.5%	1	11.1%	2	11.8%
All Other Causes (Residual)	2	25.0%	2	22.2%	4	23.5%

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, 2018  
Table 21 (Cont'd)

Leading Causes of Death	Five to Nine Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	10		4		14	
Accidents, All Forms	2	20.0%	1	25.0%	3	21.4%
Influenza and Pneumonia	1	10.0%	1	25.0%	2	14.3%
Perinatal Conditions	2	20.0%	0	0.0%	2	14.3%
All Other Causes (Residual)	5	50.0%	2	50.0%	7	50.0%

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	15		10		25	
Accidents, All Forms	4	26.7%	2	20.0%	6	24.0%
Malignant Neoplasms (Cancer)	2	13.3%	3	30.0%	5	20.0%
Intentional Self-Harm (Suicides)	2	13.3%	2	20.0%	4	16.0%
All Other Causes (Residual)	7	46.7%	3	30.0%	10	40.0%

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	137		59		196	
Accidents, All Forms	72	52.6%	35	59.3%	107	54.6%
Intentional Self-Harm (Suicides)	38	27.7%	4	6.8%	42	21.4%
Assault (Homicides)	5	3.6%	3	5.1%	8	4.1%
Injury Undetermined Whether Accidental or Purposely Inflicted	3	2.2%	3	5.1%	6	3.1%
Malignant Neoplasms (Cancer)	5	3.6%	1	1.7%	6	3.1%
Diseases of the Heart	1	0.7%	2	3.4%	3	1.5%
All Other Causes (Residual)	13	9.5%	11	18.6%	24	12.2%

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	340		171		511	
Accidents, All Forms	184	54.1%	89	52.0%	273	53.4%
Intentional Self-Harm (Suicides)	51	15.0%	13	7.6%	64	12.5%
Assault (Homicides)	24	7.1%	7	4.1%	31	6.1%
Diseases of the Heart	22	6.5%	6	3.5%	28	5.5%
Malignant Neoplasms (Cancer)	7	2.1%	9	5.3%	16	3.1%
Diabetes Mellitus	6	1.8%	6	3.5%	12	2.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	3	0.9%	3	1.8%	6	1.2%
Obesity	1	0.3%	2	1.2%	3	0.6%
Congenital Malformations	1	0.3%	2	1.2%	3	0.6%
Nephritis, Nephrotic Syndrome and Nephrosis	2	0.6%	1	0.6%	3	0.6%
Chronic Liver Disease and Cirrhosis	0	0.0%	2	1.2%	2	0.4%
Septicemia	1	0.3%	1	0.6%	2	0.4%
All Other Causes (Residual)	38	11.2%	30	17.5%	68	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, 2018  
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	513		257		770	
Accidents, All Forms	206	40.2%	92	35.8%	298	38.7%
Diseases of the Heart	64	12.5%	28	10.9%	92	11.9%
Malignant Neoplasms (Cancer)	41	8.0%	47	18.3%	88	11.4%
Intentional Self-Harm (Suicides)	55	10.7%	13	5.1%	68	8.8%
Assault (Homicides)	15	2.9%	4	1.6%	19	2.5%
Chronic Liver Disease and Cirrhosis	14	2.7%	4	1.6%	18	2.3%
Diabetes Mellitus	9	1.8%	8	3.1%	17	2.2%
Nephritis, Nephrotic Syndrome and Nephrosis	9	1.8%	2	0.8%	11	1.4%
Influenza and Pneumonia	6	1.2%	4	1.6%	10	1.3%
Obesity	7	1.4%	3	1.2%	10	1.3%
Septicemia	5	1.0%	4	1.6%	9	1.2%
Congenital Malformations	2	0.4%	6	2.3%	8	1.0%
All Other Causes (Residual)	80	15.6%	42	16.3%	122	15.8%

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	938		602		1,540	
Malignant Neoplasms (Cancer)	149	15.9%	165	27.4%	314	20.4%
Accidents, All Forms	199	21.2%	82	13.6%	281	18.2%
Diseases of the Heart	175	18.7%	98	16.3%	273	17.7%
Diabetes Mellitus	42	4.5%	38	6.3%	80	5.2%
Intentional Self-Harm (Suicides)	57	6.1%	23	3.8%	80	5.2%
Chronic Liver Disease and Cirrhosis	40	4.3%	24	4.0%	64	4.2%
Chronic Lower Respiratory Disease	20	2.1%	23	3.8%	43	2.8%
Cerebrovascular Disease (Stroke)	15	1.6%	17	2.8%	32	2.1%
Obesity	16	1.7%	9	1.5%	25	1.6%
Influenza and Pneumonia	14	1.5%	10	1.7%	24	1.6%
All Other Causes (Residual)	211	22.5%	113	18.8%	324	21.0%

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,076		1,304		3,380	
Malignant Neoplasms (Cancer)	572	27.6%	402	30.8%	974	28.8%
Diseases of the Heart	467	22.5%	206	15.8%	673	19.9%
Chronic Lower Respiratory Disease	133	6.4%	116	8.9%	249	7.4%
Accidents, All Forms	159	7.7%	60	4.6%	219	6.5%
Diabetes Mellitus	106	5.1%	65	5.0%	171	5.1%
Chronic Liver Disease and Cirrhosis	84	4.0%	40	3.1%	124	3.7%
Cerebrovascular Disease (Stroke)	49	2.4%	39	3.0%	88	2.6%
Intentional Self-Harm (Suicides)	54	2.6%	20	1.5%	74	2.2%
Nephritis, Nephrotic Syndrome and Nephrosis	28	1.3%	30	2.3%	58	1.7%
Influenza and Pneumonia	28	1.3%	27	2.1%	55	1.6%
All Other Causes (Residual)	396	19.1%	299	22.9%	695	20.6%

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

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2022

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2018  
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	2,847		2,155		5,002	
Malignant Neoplasms (Cancer)	779	27.4%	601	27.9%	1,380	27.6%
Diseases of the Heart	613	21.5%	363	16.8%	976	19.5%
Chronic Lower Respiratory Disease	259	9.1%	255	11.8%	514	10.3%
Diabetes Mellitus	141	5.0%	102	4.7%	243	4.9%
Cerebrovascular Disease (Stroke)	96	3.4%	83	3.9%	179	3.6%
Accidents, All Forms	99	3.5%	58	2.7%	157	3.1%
Nephritis, Nephrotic Syndrome and Nephrosis	59	2.1%	58	2.7%	117	2.3%
Septicemia	55	1.9%	55	2.6%	110	2.2%
Influenza and Pneumonia	60	2.1%	42	1.9%	102	2.0%
Chronic Liver Disease and Cirrhosis	47	1.7%	32	1.5%	79	1.6%
All Other Causes (Residual)	639	22.4%	506	23.5%	1,145	22.9%

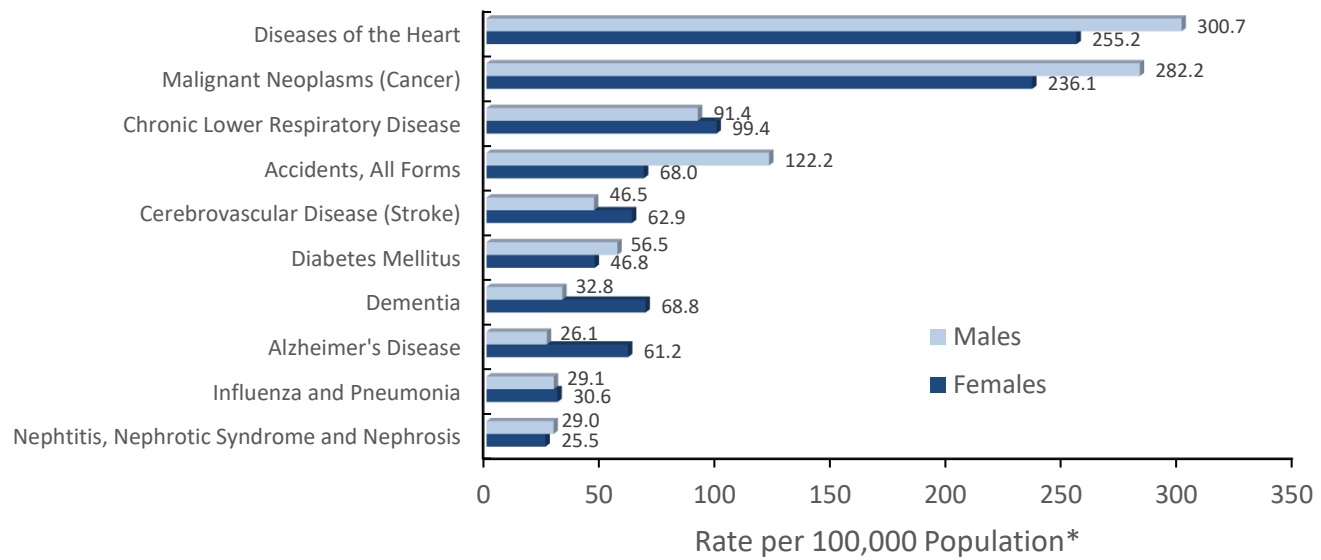
Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,946		2,878		5,824	
Diseases of the Heart	693	23.5%	593	20.6%	1,286	22.1%
Malignant Neoplasms (Cancer)	666	22.6%	552	19.2%	1,218	20.9%
Chronic Lower Respiratory Disease	269	9.1%	286	9.9%	555	9.5%
Cerebrovascular Disease (Stroke)	127	4.3%	198	6.9%	325	5.6%
Dementia	118	4.0%	162	5.6%	280	4.8%
Alzheimer's Disease	81	2.7%	153	5.3%	234	4.0%
Diabetes Mellitus	112	3.8%	106	3.7%	218	3.7%
Accidents, All Forms	98	3.3%	73	2.5%	171	2.9%
Nephritis, Nephrotic Syndrome and Nephrosis	79	2.7%	67	2.3%	146	2.5%
Influenza and Pneumonia	68	2.3%	71	2.5%	139	2.4%
All Other Causes (Residual)	635	21.6%	617	21.4%	1,252	21.5%

Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,222		3,833		6,055	
Diseases of the Heart	653	29.4%	1,029	26.8%	1,682	27.8%
Malignant Neoplasms (Cancer)	303	13.6%	372	9.7%	675	11.1%
Dementia	141	6.3%	421	11.0%	562	9.3%
Alzheimer's Disease	129	5.8%	359	9.4%	488	8.1%
Chronic Lower Respiratory Disease	135	6.1%	221	5.8%	356	5.9%
Cerebrovascular Disease (Stroke)	122	5.5%	229	6.0%	351	5.8%
Influenza and Pneumonia	82	3.7%	122	3.2%	204	3.4%
Diabetes Mellitus	89	4.0%	102	2.7%	191	3.2%
Accidents, All Forms	63	2.8%	122	3.2%	185	3.1%
Nephritis, Nephrotic Syndrome and Nephrosis	64	2.9%	68	1.8%	132	2.2%
All Other Causes (Residual)	441	19.8%	788	20.6%	1,229	20.3%

Note: Percentages in each category are calculated as a total for that gender.  
West Virginia Bureau for Public Health  
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2018 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 2018 estimated Census data for WV: Males = 894,340; Females = 911,492

Types of Firearm Injury Deaths by Age Group and Gender  
West Virginia Residents, 2018

Table 22

	Age in Years									Total
	0-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	
Both Genders										
Accidental	0	0	0	2	2	0	0	1	2	7
Intentional Self-Harm (Suicide)	0	2	10	15	28	34	58	53	60	260
Assault (Homicide)	1	0	1	6	25	17	10	3	5	68
Legal Intervention	0	0	0	0	1	1	0	2	0	4
Undetermined	0	0	2	0	0	0	3	1	2	8
Total	1	2	13	23	56	52	71	60	69	347
Male										
Accidental	0	0	0	2	1	0	0	1	2	6
Intentional Self-Harm (Suicide)	0	1	9	14	24	27	41	42	56	214
Assault (Homicide)	0	0	1	4	20	14	5	3	4	51
Legal Intervention	0	0	0	0	1	1	0	2	0	4
Undetermined	0	0	1	0	0	0	2	1	2	6
Total	0	1	11	20	46	42	48	49	64	281
Female										
Accidental	0	0	0	0	1	0	0	0	0	1
Intentional Self-Harm (Suicide)	0	1	1	1	4	7	17	11	4	46
Assault (Homicide)	1	0	0	2	5	3	5	0	1	17
Legal Intervention	0	0	0	0	0	0	0	0	0	0
Undetermined	0	0	1	0	0	0	1	0	0	2
Total	1	1	2	3	10	10	23	11	5	66

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

Motor Vehicle Accident Injury Deaths  
Transportation Role of Decedent at the Time of Injury  
West Virginia Residents, 2018  
Table 23

Role of Decedent	Male	Female	Total
Driver/Operator	136	47	183
Passenger	31	29	60
Pedestrian	20	9	29
Other Roles	2	0	2
Unknown/Not Reported	41	18	59
Total	230	103	333

Non-Transport Accidental Injury Deaths  
Place Where Injury Occurred  
West Virginia Residents, 2018  
Table 24

Place of Injury	Male	Female	Total
Home	478	301	779
Farm	3	0	3
Mine and Quarry	4	0	4
Industrial Places	8	0	8
Public Building	2	1	3
Recreational Places	9	1	10
Resident Institution	8	3	11
Street and Highway	12	2	14
Other Specified Places	228	151	379
Unspecified Places	85	54	139
Total	837	513	1,350

West Virginia Bureau for Public Health  
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Causes of Resident Deaths: Number and Rate  
West Virginia, 2018  
Table 25

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99*	Total Deaths, All Causes	23,462	13.0
A00-B99	Certain Infectious and Parasitic Diseases	592	32.8
A00-A09	Intestinal Infectious Diseases	71	3.9
A02	Other Salmonella Infections	1	0.1
A04	Other Bacterial Intestinal Infections	51	2.8
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	19	1.1
A30-A49	Other Bacterial Diseases	406	22.5
A31	Infection due to Other Mycobacteria	3	0.2
A32	Listeriosis	2	0.1
A40	Streptococcal Septicemia	3	0.2
A41	Other Septicemia	377	20.9
A48	Other Bacterial Diseases, Not Elsewhere Classified	4	0.2
A49	Bacterial Infection of Unspecified Site	17	0.9
A75-A79	Rickettsioses	1	0.1
A77	Spotted Fever	1	0.1
A80-A89	Viral Infections of the Central Nervous System	5	0.3
A81	Slow Virus Infections of Central Nervous System	5	0.3
A90-A99	Arthropod-Borne Viral Fevers and Viral Hemorrhagic Fevers	1	0.1
A92	Other Mosquito-Borne Viral Fevers	1	0.1
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	3	0.2
B00	Herpesviral [Herpes Simplex] Infection	3	0.2
B15-B19	Viral Hepatitis	53	2.9
B15	Acute Hepatitis a	15	0.8
B16	Acute Hepatitis B	4	0.2
B18	Chronic Viral Hepatitis	31	1.7
B19	Unspecified Viral Hepatitis	3	0.2
B20-B24	Human Immunodeficiency Virus [HIV] Disease	11	0.6
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	5	0.3
B21	Human Immunodeficiency Virus [HIV] Disease Resulting in Malignant Neoplasms	1	0.1
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	3	0.2
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	2	0.1
B25-B34	Other Viral Diseases	13	0.7
B25	Cytomegaloviral Disease	1	0.1
B27	Infectious Mononucleosis	1	0.1
B34	Viral Infection of Unspecified Site	11	0.6
B35-B49	Mycoses	9	0.5
B37	Candidiasis	1	0.1
B44	Aspergillosis	2	0.1
B49	Unspecified Mycosis	6	0.3
B50-B64	Protozoal Diseases	1	0.1
B59	Pneumocystis	1	0.1
B90-B94	Sequelae of Infectious and Parasitic Diseases	14	0.8
B91	Sequelae of Poliomyelitis	1	0.1
B94	Sequelae of Other and Unspecified Infectious and Parasitic Diseases	13	0.7
B99	Other Infectious Diseases	4	0.2
B99	Other and Unspecified Infectious Diseases	4	0.2
C00-D48	Neoplasms	4,794	265.5
C00-C97	Malignant Neoplasms	4,676	258.9
C00	Malignant Neoplasm of Lip	1	0.1
C01	Malignant Neoplasm of Base of Tongue	1	0.1
C02	Malignant Neoplasm of Other and Unspecified Parts of Tongue	12	0.7
C05	Malignant Neoplasm of Palate	2	0.1
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	21	1.2
C07	Malignant Neoplasm of Parotid Gland	2	0.1
C09	Malignant Neoplasm of Tonsil	10	0.6
C10	Malignant Neoplasm of Oropharynx	12	0.7
C11	Malignant Neoplasm of Nasopharynx	4	0.2
C12	Malignant Neoplasm of Pyriform Sinus	1	0.1
C13	Malignant Neoplasm of Hypopharynx	2	0.1
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	22	1.2

\*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, 2018  
Table 25 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C15-C26	Malignant Neoplasms of Digestive Organs	1,146	63.5
C15	Malignant Neoplasm of Esophagus	136	7.5
C16	Malignant Neoplasm of Stomach	37	2.0
C17	Malignant Neoplasm of Small Intestine	6	0.3
C18	Malignant Neoplasm of Colon	366	20.3
C19	Malignant Neoplasm of Rectosigmoid Junction	19	1.1
C20	Malignant Neoplasm of Rectum	64	3.5
C21	Malignant Neoplasm of Anus and Anal Canal	6	0.3
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	173	9.6
C23	Malignant Neoplasm of Gallbladder	17	0.9
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	13	0.7
C25	Malignant Neoplasm of Pancreas	297	16.4
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	12	0.7
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,415	78.4
C30	Malignant Neoplasm of Nasal Cavity and Middle Ear	3	0.2
C31	Malignant Neoplasm of Accessory Sinuses	2	0.1
C32	Malignant Neoplasm of Larynx	46	2.5
C34	Malignant Neoplasm of Bronchus and Lung	1,360	75.3
C37	Malignant Neoplasm of Thymus	1	0.1
C39	Malignant Neoplasm of Other and Ill-Defined Sites in the Respiratory System and Intrathoracic Organs	3	0.2
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	12	0.7
C41	Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites	12	0.7
C43-C44	Melanoma and Other Malignant Neoplasms of Skin	113	6.3
C43	Malignant Neoplasm of Skin	79	4.4
C44	Other Malignant Neoplasms of Skin	34	1.9
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	68	3.8
C45	Mesothelioma	30	1.7
C46	Kaposi's Sarcoma	1	0.1
C47	Malignant Neoplasm of Peripheral Nerves and Autonomic Nervous System	1	0.1
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	5	0.3
C49	Malignant Neoplasm of Other Connective and Soft Tissue	31	1.7
C50	Malignant Neoplasm of Breast	302	16.7
C50	Malignant Neoplasm of Breast	302	16.7
C51-C58	Malignant Neoplasms of Female Genital Organs	224	12.4
C51	Malignant Neoplasm of Vulva	21	1.2
C52	Malignant Neoplasm of Vagina	2	0.1
C53	Malignant Neoplasm of Cervix Uteri	28	1.6
C54	Malignant Neoplasm of Corpus Uteri	43	2.4
C55	Malignant Neoplasm of Uterus, Part Unspecified	27	1.5
C56	Malignant Neoplasm of Ovary	94	5.2
C57	Malignant Neoplasm of Other and Unspecified Female Genital Organs	9	0.5
C60-C63	Malignant Neoplasms of Male Genital Organs	188	10.4
C60	Malignant Neoplasm of Penis	4	0.2
C61	Malignant Neoplasm of Prostate	179	9.9
C62	Malignant Neoplasm of Testis	5	0.3
C64-C68	Malignant Neoplasms of Urinary Tract	224	12.4
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	81	4.5
C65	Malignant Neoplasm of Renal Pelvis	1	0.1
C66	Malignant Neoplasm of Ureter	1	0.1
C67	Malignant Neoplasm of Bladder	135	7.5
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	6	0.3
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	115	6.4
C69	Malignant Neoplasm of Eye and Adnexa	4	0.2
C71	Malignant Neoplasm of Brain	110	6.1
C72	Malignant Neoplasm of Spinal Cord, Cranial Nerves and Other Parts of the Central Nervous System	1	0.1
C73-C75	Malignant Neoplasms of Other Endocrine Glands	16	0.9
C73	Malignant Neoplasm of Thyroid Gland	11	0.6
C74	Malignant Neoplasm of Adrenal Gland	5	0.3
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	303	16.8
C76	Malignant Neoplasm of Other and Ill-Defined Sites	12	0.7

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C77	Secondary and Unspecified Malignant Neoplasm of Lymph Nodes	1	0.1
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	28	1.6
C79	Secondary Malignant Neoplasm of Other Sites	36	2.0
C80	Malignant Neoplasm without Specification of Site	226	12.5
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	408	22.6
C81	Hodgkin's Disease	9	0.5
C82	Follicular [Nodular] Non-Hodgkin's Lymphoma	7	0.4
C83	Diffuse Non-Hodgkin's Lymphoma	21	1.2
C84	Peripheral and Cutaneous T-Cell Lymphoma	8	0.4
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	104	5.8
C88	Malignant Immunoproliferative Diseases	3	0.2
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	85	4.7
C91	Lymphoid Leukemia	36	2.0
C92	Myeloid Leukemia	98	5.4
C93	Monocytic Leukemia	2	0.1
C95	Leukemia of Unspecified Cell Type	35	1.9
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	52	2.9
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	52	2.9
D00-D09	In Situ Neoplasms	1	0.1
D02	Carcinoma in Situ of Middle Ear and Respiratory System	1	0.1
D10-D36	Benign Neoplasms	8	0.4
D15	Benign Neoplasm of Other and Unspecified Intrathoracic Organs	1	0.1
D32	Benign Neoplasm of Meninges	5	0.3
D35	Benign Neoplasm of Other and Unspecified Endocrine Gland	1	0.1
D36	Benign Neoplasm of Other and Unspecified Sites	1	0.1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	109	6.0
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	5	0.3
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	8	0.4
D41	Neoplasm of Uncertain or Unknown Behavior of Urinary Organs	5	0.3
D42	Neoplasm of Uncertain or Unknown Behavior of Meninges	1	0.1
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	12	0.7
D44	Neoplasm of Uncertain or Unknown Behavior of Endocrine Glands	4	0.2
D45	Polycythemia Vera	2	0.1
D46	Myelodysplastic Syndromes	44	2.4
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	13	0.7
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	15	0.8
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	93	5.1
D50-D53	Nutritional Anemias	2	0.1
D50	Iron Deficiency Anemia	1	0.1
D53	Other Nutritional Anemias	1	0.1
D55-D59	Hemolytic Anemias	8	0.4
D57	Sickle-Cell Disorders	1	0.1
D58	Other Hereditary Hemolytic Anemias	3	0.2
D59	Acquired Hemolytic Anemia	4	0.2
D60-D64	Aplastic and Other Anemias	37	2.0
D61	Other Aplastic Anemias	7	0.4
D62	Acute Posthemorrhagic Anemia	7	0.4
D64	Other Anemias	23	1.3
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	29	1.6
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	13	0.7
D68	Other Coagulation Defects	7	0.4
D69	Purpura and Other Hemorrhagic Conditions	9	0.5
D70-D77	Other Diseases of Blood and Blood-forming Organs	9	0.5
D70	Agranulocytosis	2	0.1
D72	Other Disorders of White Blood Cells	3	0.2
D75	Other Diseases of Blood and-Blood forming Organs	1	0.1
D76	Certain Diseases Involving Lymphoreticular Tissue and Reticulohistiocytic System	3	0.2
D80-D89	Certain Disorders Involving the Immune Mechanism	8	0.4
D80	Immunodeficiency with Predominantly Antibody Defects	1	0.1
D86	Sarcoidosis	6	0.3

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D89	Other Disorders Involving the Immune Mechanism, Not Elsewhere Classified	1	0.1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,421	78.7
E00-E07	Disorders of Thyroid Gland	30	1.7
E03	Other Hypothyroidism	25	1.4
E05	Thyrotoxicosis [Hyperthyroidism]	3	0.2
E06	Thyroiditis	1	0.1
E07	Other Disorders of Thyroid	1	0.1
E10-E14	Diabetes Mellitus	932	51.6
E10	Insulin-Dependent Diabetes Mellitus	43	2.4
E11	Non-Insulin-Dependent Diabetes Mellitus	385	21.3
E14	Unspecified Diabetes Mellitus	504	27.9
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	3	0.2
E16	Other Disorders of Pancreatic Internal Secretion	3	0.2
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	3	0.2
E27	Other Disorders of Adrenal Gland	3	0.2
E40-E46	Malnutrition	44	2.4
E40	Kwashiorkor	1	0.1
E43	Unspecified Severe Protein-Energy Malnutrition	21	1.2
E44	Protein-Energy Malnutrition of Moderate and Mild Degree	1	0.1
E46	Unspecified Protein-Energy Malnutrition	21	1.2
E50-E64	Other Nutritional Deficiencies	1	0.1
E53	Deficiency of Other B Group Vitamins	1	0.1
E65-E68	Obesity and Other Hyperalimentation	94	5.2
E66	Obesity	94	5.2
E70-E90	Metabolic Disorders	309	17.1
E72	Other Disorders of Amino-Acid Metabolism	2	0.1
E74	Other Disorders of Carbohydrate Metabolism	1	0.1
E78	Disorders of Lipoprotein Metabolism and Other Lipidemias	182	10.1
E80	Disorders of Porphyrin and Bilirubin Metabolism	1	0.1
E83	Disorders of Mineral Metabolism	4	0.2
E84	Cystic Fibrosis	3	0.2
E85	Amyloidosis	7	0.4
E86	Volume Depletion	16	0.9
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	65	3.6
E88	Other Metabolic Disorders	28	1.6
F00-F99	Mental and Behavioral Disorders	1,109	61.4
F00-F09	Organic, Including Symptomatic, Mental Disorders	933	51.7
F01	Vascular Dementia	66	3.7
F03	Unspecified Dementia	854	47.3
F05	Delirium, Not Induced by Alcohol and Other Psychoactive Substances	6	0.3
F06	Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease	6	0.3
F07	Personality and Behavioral Disorders due to Brain Disease, Damage and Dysfunction	1	0.1
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	158	8.7
F10	Mental and Behavioral Disorders due to Use of Alcohol	89	4.9
F11	Mental and Behavioral Disorders due to Use of Opioids	1	0.1
F17	Mental and Behavioral Disorders due to Use of Tobacco	20	1.1
F19	Mental and Behavioral Disorders due to Multiple Drug Use and Use of Other Psychoactive Substances	48	2.7
F20-F29	Schizophrenia, Schizotypal and Delusional Disorders	7	0.4
F20	Schizophrenia	4	0.2
F22	Persistent Delusional Disorders	1	0.1
F25	Schizoaffective Disorders	1	0.1
F29	Unspecified Nonorganic Psychosis	1	0.1
F30-F39	Mood [Affective] Disorders	3	0.2
F32	Depressive Episode	3	0.2
F40-F48	Neurotic, Stress-Related and Somatoform Disorders	1	0.1
F41	Other Anxiety Disorders	1	0.1
F50-F59	Behavioral Syndromes Associated with Physiological Disturbances and Physical Factors	1	0.1
F54	Psychological and Behavioral Factors Associated with Disorders or Diseases Classified Elsewhere	1	0.1

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F70-F79	Mental Retardation	1	0.1
F79	Unspecified Mental Retardation	1	0.1
F80-F89	Disorders of Psychological Development	3	0.2
F81	Specific Developmental Disorders of Scholastic Skills	1	0.1
F84	Pervasive Developmental Disorders	2	0.1
F90-F99	Behavioral and Emotional Disorders with Onset Usually Occurring in Childhood and Adolescence	2	0.1
F91	Conduct Disorders	1	0.1
F99	Unspecified Mental Disorder	1	0.1
F99	Mental Disorder, Not Otherwise Specified	1	0.1
G00-G99	Diseases of the Nervous System	1,496	82.8
G00-G09	Inflammatory Diseases of the Central Nervous System	6	0.3
G03	Meningitis due to Other and Unspecified Causes	3	0.2
G06	Intracranial and Intraspinal Abscess and Granuloma	1	0.1
G09	Sequelae of Inflammatory Diseases of Central Nervous System	2	0.1
G10-G14	Systemic Atrophies Primarily Affecting the Central Nervous System	63	3.5
G10	Huntington's Disease	11	0.6
G12	Spinal Muscular Atrophy and Related Syndromes	52	2.9
G20-G26	Extrapyramidal and Movement Disorders	238	13.2
G20	Parkinson's Disease	222	12.3
G21	Secondary Parkinsonism	4	0.2
G23	Other Degenerative Diseases of Basal Ganglia	11	0.6
G25	Other Extrapyramidal and Movement Disorders	1	0.1
G30-G32	Other Degenerative Diseases of the Nervous System	955	52.9
G30	Alzheimer's Disease	790	43.7
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	165	9.1
G35-G37	Demyelinating Diseases of the Central Nervous System	29	1.6
G35	Multiple Sclerosis	27	1.5
G37	Other Demyelinating	2	0.1
G40-G47	Episodic and Paroxysmal Disorders	30	1.7
G40	Epilepsy	14	0.8
G41	Status Epilepticus	11	0.6
G45	Transient Cerebral Ischemic Attacks and Related Syndromes	1	0.1
G47	Sleep Disorders	4	0.2
G50-G59	Nerve, Nerve Root and Plexus Disorders	1	0.1
G51	Facial Nerve Disorders	1	0.1
G60-G64	Polyneuropathies and Other Disorders of the Peripheral Nervous System	12	0.7
G60	Hereditary and Idiopathic Neuropathy	1	0.1
G61	Inflammatory Polyneuropathy	9	0.5
G62	Other Polyneuropathies	2	0.1
G70-G73	Diseases of Myoneural Junction and Muscle	31	1.7
G70	Myasthenia Gravis and Other Myoneural Disorders	13	0.7
G71	Primary Disorders of Muscles	14	0.8
G72	Other Myopathies	4	0.2
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	42	2.3
G80	Infantile Cerebral Palsy	34	1.9
G81	Hemiplegia	1	0.1
G82	Paraplegia and Tetraplegia	6	0.3
G83	Other Paralytic Syndromes	1	0.1
G90-G99	Other Disorders of the Nervous System	89	4.9
G90	Disorders of Autonomic Nervous System	2	0.1
G91	Hydrocephalus	9	0.5
G92	Toxic Encephalopathy	2	0.1
G93	Other Disorders of Brain	76	4.2
H60-H95	Diseases of the Ear	1	0.1
H65-H75	Diseases of Middle Ear and Mastoid	1	0.1
H66	Suppurative and Unspecified Otitis Media	1	0.1
I00-I99	Diseases of the Circulatory System	6,511	360.6
I00-I09, I11, I13, I20-I51	Diseases of the Heart	5,015	277.7
I05-I09	Chronic Rheumatic Heart Diseases	15	0.8
I05	Rheumatic Mitral Valve Diseases	8	0.4

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ICDA-10 Code Number	Cause of Death	Number Of Deaths	Rate
I07	Rheumatic Tricuspid Valve Diseases	2	0.1
I08	Multiple Valve Diseases	3	0.2
I09	Other Rheumatic Heart Diseases	2	0.1
I10-I15	Hypertensive Diseases	567	31.4
I10	Essential (Primary) Hypertension	174	9.6
I11	Hypertensive Heart Disease	274	15.2
I12	Hypertensive Renal Disease	82	4.5
I13	Hypertensive Heart and Renal Disease	37	2.0
I20-I25	Ischemic Heart Diseases	3,292	182.3
I20	Angina Pectoris	3	0.2
I21	Acute Myocardial Infarction	808	44.7
I22	Subsequent Myocardial Infarction	1	0.1
I24	Other Acute Ischemic Heart Diseases	29	1.6
I25	Chronic Ischemic Heart Disease	2,451	135.7
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	105	5.8
I26	Pulmonary Embolism	61	3.4
I27	Other Pulmonary Heart Diseases	44	2.4
I30-I52	Other forms of Heart Diseases	1,292	71.5
I31	Other Diseases of Pericardium	9	0.5
I33	Acute and Subacute Endocarditis	18	1.0
I34	Nonrheumatic Mitral Valve Disorders	10	0.6
I35	Nonrheumatic Aortic Valve Disorders	79	4.4
I38	Endocarditis, Valve Unspecified	42	2.3
I42	Cardiomyopathy	156	8.6
I44	Atrioventricular and Left Bundle-Branch Block	6	0.3
I45	Other Conduction Disorders	13	0.7
I46	Cardiac Arrest	22	1.2
I47	Paroxysmal Tachycardia	7	0.4
I48	Atrial Fibrillation and Flutter	232	12.8
I49	Other Cardiac Arrhythmias	43	2.4
I50	Heart Failure	560	31.0
I51	Complications and Ill-Defined Descriptions of Heart Disease	95	5.3
I60-I69	Cerebrovascular Diseases	989	54.8
I60	Subarachnoid Hemorrhage	41	2.3
I61	Intracerebral Hemorrhage	138	7.6
I62	Other Nontraumatic Intracranial Hemorrhage	48	2.7
I63	Cerebral Infarction	92	5.1
I64	Stroke, Not Specified as Hemorrhage or Infarction	517	28.6
I67	Other Cerebrovascular Diseases	58	3.2
I69	Sequelae of Cerebrovascular Disease	95	5.3
I70-I79	Diseases of Arteries, Arterioles and Capillaries	213	11.8
I70	Atherosclerosis	61	3.4
I71	Aortic Aneurysm and Dissection	69	3.8
I72	Other Aneurysm	5	0.3
I73	Other Peripheral Vascular Diseases	61	3.4
I74	Arterial Embolism and Thrombosis	6	0.3
I77	Other Disorders of Arteries and Arterioles	11	0.6
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	35	1.9
I80	Phlebitis and Thrombophlebitis	26	1.4
I82	Other Venous Embolism and Thrombosis	3	0.2
I85	Esophageal Varices	4	0.2
I87	Other Disorders of Veins	1	0.1
I89	Other Noninfective Disorders of Lymphatic Vessels and Lymph Nodes	1	0.1
I95-I99	Other and Unspecified Disorders of the Circulatory System	3	0.2
I99	Other and Unspecified Disorders of Circulatory System	3	0.2
J00-J99	Diseases of the Respiratory System	2,705	149.8
J00-J06	Acute Upper Respiratory Infections	4	0.2
J02	Acute Pharyngitis	1	0.1
J06	Acute Upper Respiratory Infections of Multiple and Unspecified Sites	3	0.2
J09-J18	Influenza and Pneumonia	539	29.8
J10	Influenza due to Identified Influenza Virus	65	3.6

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
J11	Influenza, Virus Not Identified	53	2.9
J12	Viral Pneumonia, Not Elsewhere Classified	3	0.2
J13	Pneumonia due to Streptococcus Pneumoniae	3	0.2
J15	Bacterial Pneumonia, Not Elsewhere Classified	28	1.6
J18	Pneumonia, Organism Unspecified	387	21.4
J20-J22	Other Acute Lower Respiratory Infections	4	0.2
J20	Acute Bronchitis	2	0.1
J21	Acute Bronchiolitis	2	0.1
J30-J39	Other Diseases of Upper Respiratory Tract	2	0.1
J38	Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	1	0.1
J39	Other Diseases of Upper Respiratory Tract	1	0.1
J40-J47	Chronic Lower Respiratory Diseases	1,723	95.4
J40	Bronchitis, Not Specified as Acute or Chronic	3	0.2
J42	Unspecified Chronic Bronchitis	2	0.1
J43	Emphysema	68	3.8
J44	Other Chronic Obstructive Pulmonary Disease	1,623	89.9
J45	Asthma	19	1.1
J47	Bronchiectasis	8	0.4
J60-J70	Lung Diseases due to External Agents	161	8.9
J60	Coalworker's Pneumoconiosis	23	1.3
J61	Pneumoconiosis due to Asbestos and Other Mineral Fibers	7	0.4
J62	Pneumoconiosis due to Dust Containing Silica	1	0.1
J64	Unspecified Pneumoconiosis	6	0.3
J69	Pneumonitis due to Solids and Liquids	124	6.9
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	158	8.7
J80	Adult Respiratory Distress Syndrome	12	0.7
J81	Pulmonary Edema	8	0.4
J84	Other Interstitial Pulmonary Diseases	138	7.6
J85-J86	Suppurative and Necrotic Conditions of Lower Respiratory Tract	5	0.3
J85	Abscess of Lung and Mediastinum	2	0.1
J86	Pyothorax	3	0.2
J90-J94	Other Diseases of Pleura	10	0.6
J90	Pleural Effusion, Not Elsewhere Classified	7	0.4
J93	Pneumothorax	2	0.1
J94	Other Pleural Conditions	1	0.1
J95-J99	Other Diseases of the Respiratory System	99	5.5
J96	Respiratory Failure, Not Elsewhere Classified	65	3.6
J98	Other Respiratory Disorders	34	1.9
K00-K93	Diseases of the Digestive System	979	54.2
K00-K14	Diseases of Oral Cavity, Salivary Glands and Jaws	3	0.2
K05	Gingivitis and Periodontal Diseases	1	0.1
K11	Diseases of Salivary Glands	2	0.1
K20-K31	Diseases of Esophagus, Stomach and Duodenum	47	2.6
K20	Esophagitis	2	0.1
K21	Gastro-esophageal Reflux Disease	6	0.3
K22	Other Diseases of Esophagus	11	0.6
K25	Gastric Ulcer	7	0.4
K26	Duodenal Ulcer	9	0.5
K27	Peptic Ulcer, Site Unspecified	3	0.2
K31	Other Diseases of Stomach and Duodenum	9	0.5
K35-K38	Diseases of Appendix	3	0.2
K35	Acute Appendicitis	3	0.2
K40-K46	Hernia	14	0.8
K42	Umbilical Hernia	1	0.1
K43	Ventral Hernia	5	0.3
K44	Diaphragmatic Hernia	5	0.3
K46	Unspecified Abdominal Hernia	3	0.2
K50-K52	Noninfective Enteritis and Colitis	10	0.6
K50	Crohn's Disease [Regional Enteritis]	6	0.3
K51	Ulcerative Colitis	3	0.2

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
K52	Other Noninfective Gastroenteritis and Colitis	1	0.1
K55-K63	Other Diseases of Intestines	185	10.2
K55	Vascular Disorders of Intestine	62	3.4
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	56	3.1
K57	Diverticular Disease of Intestine	22	1.2
K59	Other Functional Intestinal Disorders	3	0.2
K62	Other Diseases of Anus and Rectum	5	0.3
K63	Other Diseases of Intestine	37	2.0
K65-K67	Diseases of Peritoneum	12	0.7
K65	Peritonitis	6	0.3
K66	Other Disorders of Peritoneum	6	0.3
K70-K77	Diseases of Liver	510	28.2
K70	Alcoholic Liver Disease	140	7.8
K72	Hepatic Failure, Not Elsewhere Classified	50	2.8
K73	Chronic Hepatitis, Not Elsewhere Classified	2	0.1
K74	Fibrosis and Cirrhosis of Liver	210	11.6
K75	Other Inflammatory Liver Diseases	4	0.2
K76	Other Diseases of Liver	104	5.8
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	96	5.3
K80	Cholelithiasis	10	0.6
K81	Cholecystitis	26	1.4
K82	Other Diseases of Gallbladder	5	0.3
K83	Other Diseases of Biliary Tract	12	0.7
K85	Acute Pancreatitis	33	1.8
K86	Other Diseases of Pancreas	10	0.6
K90-K93	Other Diseases of the Digestive System	99	5.5
K90	Intestinal Malabsorption	3	0.2
K92	Other Diseases of Digestive System	96	5.3
L00-L99	Diseases of the Skin and Subcutaneous Tissue	51	2.8
L00-L08	Infections of the Skin and Subcutaneous Tissue	24	1.3
L02	Cutaneous Abscess, Furuncle and Carbuncle	5	0.3
L03	Cellulitis	13	0.7
L08	Other Local Infections of Skin and Subcutaneous Tissue	6	0.3
L10-L14	Bullous Disorders	2	0.1
L10	Pemphigus	1	0.1
L12	Pemphigoid	1	0.1
L20-L30	Dermatitis and Eczema	1	0.1
L21	Seborrheic Dermatitis	1	0.1
L40-L45	Papulosquamous Disorders	1	0.1
L40	Psoriasis	1	0.1
L50-L54	Urticaria and Erythema	1	0.1
L53	Other Erythematous Conditions	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	22	1.2
L88	Pyoderma Gangrenosum	1	0.1
L89	Decubitus Ulcer	14	0.8
L93	Lupus Erythematosus	2	0.1
L98	Other Disorders of Skin and Subcutaneous Tissue, Not Elsewhere Classified	5	0.3
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	110	6.1
M00-M25	Arthropathies	29	1.6
M00-M03	Infectious Arthropathies	3	0.2
M00	Pyogenic Arthritis	3	0.2
M05-M14	Inflammatory Polyarthropathies	22	1.2
M05	Seropositive Rheumatoid Arthritis	1	0.1
M06	Other Rheumatoid Arthritis	20	1.1
M10	Gout	1	0.1
M15-M19	Arthrosis	4	0.2
M15	Polyarthrosis	1	0.1
M19	Other Arthrosis	3	0.2
M30-M36	Systemic Connective Tissue Disorders	22	1.2
M31	Other Necrotizing Vasculopathies	6	0.3

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
M32	Systemic Lupus Erythematosus	7	0.4
M33	Dermatopolymyositis	2	0.1
M34	Systemic Sclerosis	4	0.2
M35	Other Systemic Involvement of Connective Tissue	3	0.2
M40-M54	Dorsopathies	12	0.7
M40-M43	Deforming Dorsopathies	2	0.1
M40	Kyphosis and Lordosis	2	0.1
M45-M49	Spondylopathies	8	0.4
M45	Ankylosing Spondylitis	1	0.1
M46	Other Inflammatory Spondylopathies	3	0.2
M47	Spondylosis	1	0.1
M48	Other Spondylopathies	3	0.2
M50-M54	Other Dorsopathies	2	0.1
M54	Dorsalgia	2	0.1
M60-M79	Soft Tissue Disorders	16	0.9
M60-M63	Disorders of Muscles	7	0.4
M60	Myositis	1	0.1
M62	Other Disorders of Muscle	6	0.3
M65-M68	Disorders of Synovium and Tendon	1	0.1
M65	Synovitis and Tenosynovitis	1	0.1
M70-M79	Other Soft Tissue Disorders	8	0.4
M72	Fibroblastic Disorders	8	0.4
M80-M94	Osteopathies and Chondropathies	31	1.7
M80-M85	Disorders of Bone Density and Structure	8	0.4
M80	Osteoporosis with Pathological Fracture	6	0.3
M81	Osteoporosis without Pathological Fracture	2	0.1
M86-M90	Other Osteopathies	23	1.3
M86	Osteomyelitis	21	1.2
M88	Paget's Disease of Bone [Osteitis Deformans]	1	0.1
M89	Other Disorders of Bone	1	0.1
N00-N99	Diseases of the Genitourinary System	709	39.3
N00-N08	Glomerular Diseases	7	0.4
N00	Acute Nephritic Syndrome	5	0.3
N04	Nephrotic Syndrome	1	0.1
N05	Unspecified Nephritic Syndrome	1	0.1
N10-N16	Renal Tubulo-Interstitial Diseases	9	0.5
N11	Chronic Tubulo-Interstitial Nephritis	1	0.1
N12	Tubulo-Interstitial Nephritis, Not Specified as Acute or Chronic	3	0.2
N13	Obstructive and Reflux Uropathy	5	0.3
N17-N19	Renal Failure	483	26.7
N17	Acute Renal Failure	80	4.4
N18	Chronic Renal Failure	308	17.1
N19	Unspecified Renal Failure	95	5.3
N20-N23	Urolithiasis	3	0.2
N20	Calculus of Kidney and Ureter	3	0.2
N25-N29	Other Disorders of Kidney and Ureter	59	3.3
N25	Disorders Resulting from Impaired Renal Tubular Function	1	0.1
N28	Other Disorders of Kidney and Ureter, Not Elsewhere Classified	58	3.2
N30-N39	Other Diseases of the Urinary System	134	7.4
N30	Cystitis	2	0.1
N31	Neuromuscular Dysfunction of Bladder, Not Elsewhere Classified	2	0.1
N32	Other Disorders of Bladder	2	0.1
N39	Other Disorders of Urinary System	128	7.1
N40-N51	Diseases of Male Genital Organs	3	0.2
N40	Hyperplasia of Prostate	1	0.1
N48	Other Disorders of Penis	1	0.1
N49	Inflammatory Disorders of Male Genital Organs, Not Elsewhere Classified	1	0.1
N60-N64	Disorders of Breast	1	0.1
N61	Inflammatory Disorders of Breast	1	0.1

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Table 25 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
N80-N98	Noninflammatory Disorders of Female Genital Tract	10	0.6
N82	Fistula Involving Female Genital Tract	2	0.1
N83	Noninflammatory Disorders of Ovary, Fallopian Tube and Broad Ligament	3	0.2
N85	Other Noninflammatory Disorders of Uterus, Except Cervix	2	0.1
N93	Other Abnormal Uterine and Vaginal Bleeding	3	0.2
O00-O99**	Pregnancy, Childbirth and the Puerperium	9	49.3
O10-O16	Edema, Proteinuria and Hypertensive Disorders in Pregnancy, Childbirth and the Puerperium	1	5.5
O10	Pre-existing Hypertension Complicating Pregnancy, Childbirth and the Puerperium	1	5.5
O20-O29	Other Maternal Disorders Predominately Related to Pregnancy	1	5.5
O26	Maternal Care for Other Conditions Predominantly Related to Pregnancy	1	5.5
O30-O48	Maternal Care Related to the Fetus and Amniotic Cavity and Possible Delivery Problems	1	5.5
O36	Maternal Care for Known or Suspected Fetal Problems	1	5.5
O95-O99	Other Obstetric Conditions, Not Elsewhere Classified	6	32.9
O96	Death from Any Obstetric Cause Occurring More Than 42 Days But Less Than One Year After Delivery	4	21.9
O99	Other Maternal Diseases Classifiable Elsewhere but Complicating Pregnancy, Childbirth and the Puerperium	2	11.0
P00-P96	Certain Conditions Originating in the Perinatal Period	48	2.7
P00-P04	Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	15	0.8
P00	Fetus and Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	2	0.1
P01	Fetus and Newborn Affected by Maternal Complications of Pregnancy	5	0.3
P02	Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes	3	0.2
P03	Fetus and Newborn Affected by Other Complications of Labor and Delivery	3	0.2
P04	Fetus and Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	2	0.1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	13	0.7
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	13	0.7
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	7	0.4
P21	Birth Asphyxia	1	0.1
P22	Respiratory Distress of Newborn	4	0.2
P23	Congenital Pneumonia	1	0.1
P29	Cardiovascular Disorders Originating in the Perinatal Period	1	0.1
P35-P39	Infections Specific to the Perinatal Period	5	0.3
P35	Congenital Viral Diseases	2	0.1
P36	Bacterial Sepsis of Newborn	3	0.2
P50-P61	Hemorrhagic and Hematological Disorders of Fetus and Newborn	5	0.3
P52	Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	3	0.2
P60	Disseminated Intravascular Coagulation of Fetus and Newborn	1	0.1
P61	Other Perinatal Hematological Disorders	1	0.1
P75-P78	Digestive System Disorders of Fetus and Newborn	2	0.1
P77	Necrotizing Enterocolitis of Fetus and Newborn	2	0.1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus and Newborn	1	0.1
P83	Other Conditions of Integument Specific to Fetus and Newborn	1	0.1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	67	3.7
Q00-Q07	Congenital Malformations of the Nervous System	8	0.4
Q00	Anencephaly and Similar Malformations	2	0.1
Q01	Encephalocele	1	0.1
Q03	Congenital Hydrocephalus	3	0.2
Q04	Other Congenital Malformations of Brain	1	0.1
Q05	Spina Bifida	1	0.1
Q20-Q28	Congenital Malformations of the Circulatory System	16	0.9
Q20	Congenital Malformations of Cardiac Chambers and Connections	2	0.1
Q21	Congenital Malformations of Cardiac Septa	2	0.1
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	2	0.1
Q23	Congenital Malformations of Aortic and Mitral Valves	3	0.2
Q24	Other Congenital Malformations of the Heart	5	0.3
Q26	Congenital Malformations of Great Veins	1	0.1
Q27	Other Congenital Malformations of Peripheral Vascular System	1	0.1
Q30-Q34	Congenital Malformations of the Respiratory System	2	0.1
Q33	Congenital Malformations of Lung	2	0.1
Q38-Q45	Other Congenital Malformations of the Digestive System	2	0.1
Q39	Congenital Malformations of Esophagus	1	0.1
Q43	Other Congenital Malformations of Intestine	1	0.1

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

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Table 25 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
Q60-Q64	Congenital Malformations of the Urinary System	5	0.3
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	0.1
Q61	Cystic Kidney Disease	4	0.2
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	5	0.3
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	3	0.2
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	2	0.1
Q80-Q89	Other Congenital Malformations	10	0.6
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	5	0.3
Q89	Other Congenital Malformations, Not Elsewhere Classified	5	0.3
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	19	1.1
Q90	Down's Syndrome	13	0.7
Q91	Edwards' Syndrome and Patau's Syndrome	4	0.2
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere Classified	1	0.1
Q93	Monosomies and Deletions from the Autosomes, Not Elsewhere Classified	1	0.1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	455	25.2
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	8	0.4
R00	Abnormalities of Heart Beat	1	0.1
R04	Hemorrhage from Respiratory Passages	1	0.1
R06	Abnormalities of Breathing	2	0.1
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	4	0.2
R10-R19	Symptoms and Signs Involving the Digestive System and Abdomen	3	0.2
R13	Dysphagia	1	0.1
R19	Other Symptoms and Signs Involving the Digestive System and Abdomen	2	0.1
R50-R69	General Symptoms and Signs	123	6.8
R53	Malaise and Fatigue	2	0.1
R54	Senility	48	2.7
R56	Convulsions, Not Elsewhere Classified	2	0.1
R57	Shock, Not Elsewhere Classified	13	0.7
R58	Hemorrhage, Not Elsewhere Classified	8	0.4
R62	Lack of Expected Normal Physiological Development	43	2.4
R64	Cachexia	1	0.1
R68	Other General Symptoms and Signs	6	0.3
R90-R94	Abnormal Findings on Diagnostic Imaging and in Function Studies, without Diagnosis	4	0.2
R91	Abnormal Findings on Diagnostic Imaging of Lung	4	0.2
R95-R99	Ill-Defined and Unknown Causes of Mortality	317	17.6
R95	Sudden Infant Death Syndrome	6	0.3
R96	Other Sudden Death, Cause Unknown	2	0.1
R99	Other Ill-Defined and Unspecified Causes of Mortality	309	17.1
V01-Y98	External Causes of Morbidity and Mortality	2,312	128.0
V01-V99	Transport Accidents	344	19.0
V01-V09	Pedestrian Injured in Transport Accident	33	1.8
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	7	0.4
V04	Pedestrian Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V05	Pedestrian Injured in Collision with Railway Train or Railway Vehicle	3	0.2
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	22	1.2
V10-V19	Pedal Cyclist Injured in Transport Accident	7	0.4
V13	Pedal Cyclist Injured in Collision with Car, Pickup Truck or Van	4	0.2
V19	Pedal Cyclist Injured in Other and Unspecified Transport Accidents	3	0.2
V20-V29	Motorcycle Rider Injured in Transport Accident	35	1.9
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	11	0.6
V24	Motorcycle Rider Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V27	Motorcycle Rider Injured in Collision with Fixed or Stationary Object	8	0.4
V28	Motorcycle Rider Injured in Noncollision Transport Accident	1	0.1
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	14	0.8
V30-V39	Occupant of Three-Wheeled Motor Vehicle Injured in Transport Accident	1	0.1
V38	Occupant of Three-Wheeled Motor Vehicle Injured in Noncollision Transport Accident	1	0.1
V40-V49	Car Occupant Injured in Transport Accident	25	1.4
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	8	0.4
V44	Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus	3	0.2
V47	Car Occupant Injured in Collision with Fixed or Stationary Object	7	0.4

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Table 25 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
V48	Car Occupant Injured in Noncollision Transport Accident	2	0.1
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	5	0.3
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	18	1.0
V53	Occupant of Pickup or Van Injured in Collision with Car, Pickup Truck or Van	3	0.2
V54	Occupant of Pickup or Van Injured in Collision with Heavy Transport Vehicle or Bus	3	0.2
V57	Occupant of Pickup or Van Injured in Collision with Fixed or Stationary Object	7	0.4
V58	Occupant of Pickup or Van Injured in Noncollision Transport Accident	5	0.3
V60-V69	Occupant of Heavy Transport Vehicle Injured in Transport Accident	6	0.3
V67	Occupant of Heavy Transport Vehicle Injured in Collision with Fixed or Stationary Object	2	0.1
V68	Occupant of Heavy Transport Vehicle Injured in Noncollision Transport Accident	3	0.2
V69	Occupant of Heavy Transport Vehicle Injured in Other and Unspecified Transport Accidents	1	0.1
V80-V89	Other Land Transport Accidents	213	11.8
V80	Animal Rider or Occupant of Animal-Drawn Vehicle Injured in Transport Accident	1	0.1
V84	Occupant of Special Vehicle Mainly Used in Agriculture Injured in Transport Accident	1	0.1
V86	Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident	30	1.7
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	65	3.6
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	116	6.4
V90-V94	Water Transport Accidents	3	0.2
V92	Water-Transport-Related Drowning and Submersion without Accident to Watercraft	3	0.2
V95-V97	Air and Space Transport Accidents	3	0.2
V95	Accident to Powered Aircraft Causing Injury to Occupant	3	0.2
W00-X59	Other External Causes of Accidental Injury	1,349	74.7
W00-W19	Falls	353	19.5
W00	Fall on Same Level Involving Ice and Snow	2	0.1
W01	Fall on Same Level from Slipping, Tripping and Stumbling	18	1.0
W05	Fall Involving Wheelchair	12	0.7
W06	Fall Involving Bed	14	0.8
W07	Fall Involving Chair	8	0.4
W10	Fall on and from Stairs and Steps	37	2.0
W11	Fall on and from Ladder	6	0.3
W13	Fall from, out of or through Building or Structure	12	0.7
W14	Fall from Tree	1	0.1
W17	Other Fall from One Level to Another	4	0.2
W18	Other Fall on Same Level	217	12.0
W19	Unspecified Fall	22	1.2
W20-W49	Exposure to Inanimate Mechanical Forces	40	2.2
W20	Struck by Thrown, Projected or Falling Object	14	0.8
W22	Striking against or Struck by Other Objects	1	0.1
W23	Caught, Crushed, Jammed or Pinched in or between Objects	1	0.1
W24	Contact with Lifting and Transmission Devices, Not Elsewhere Classified	1	0.1
W25	Contact with Sharp Glass	1	0.1
W28	Contact with Powered Lawnmower	6	0.3
W30	Contact with Agricultural Machinery	3	0.2
W31	Contact with Other and Unspecified Machinery	2	0.1
W32	Handgun Discharge	2	0.1
W34	Discharge from Other and Unspecified Firearms	5	0.3
W40	Explosion of Other Materials	3	0.2
W49	Exposure to Other and Unspecified Inanimate Mechanical forces	1	0.1
W50-W64	Exposure to Animate Mechanical forces	1	0.1
W64	Exposure to Other and Unspecified Animate Mechanical forces	1	0.1
W65-W74	Accidental Drowning and Submersion	21	1.2
W65	Drowning and Submersion while in Bathtub	1	0.1
W67	Drowning and Submersion while in Swimming Pool	2	0.1
W69	Drowning and Submersion while in Natural Water	13	0.7
W70	Drowning and Submersion Following Fall in Natural Water	5	0.3
W75-W84	Other Accidental Threats to Breathing	46	2.5
W75	Accidental Suffocation and Strangulation in Bed	2	0.1
W76	Other Accidental Hanging and Strangulation	1	0.1
W78	Inhalation of Gastric Contents	1	0.1
W79	Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	11	0.6

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Table 25 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	28	1.6
W84	Unspecified Threat to Breathing	3	0.2
W85-W99	Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure	4	0.2
W85	Exposure to Electric Transmission Lines	2	0.1
W86	Exposure to Other Specified Electric Current	1	0.1
W87	Exposure to Unspecified Electric Current	1	0.1
X00-X09	Exposure to Smoke, Fire and Flames	25	1.4
X00	Exposure to Uncontrolled Fire in Building or Structure	21	1.2
X03	Exposure to Controlled Fire, Not in Building or Structure	1	0.1
X06	Exposure to Ignition or Melting of Other Clothing and Apparel	2	0.1
X08	Exposure to Other Specified Smoke, Fire and Flames	1	0.1
X10-X19	Contact with Heat and Hot Substances	1	0.1
X16	Contact with Hot Heating Appliances, Radiators and Pipes	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	5	0.3
X31	Exposure to Excessive Natural Cold	5	0.3
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	834	46.2
X40	Accidental Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	1	0.1
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	89	4.9
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	296	16.4
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	428	23.7
X45	Accidental Poisoning by Alcohol	9	0.5
X46	Accidental Poisoning by Organic Solvents and Halogenated Hydrocarbons and Their Vapors	1	0.1
X47	Accidental Poisoning by Other Gases and Vapors	10	0.6
X58-X59	Accidental Exposure to Other and Unspecified Factors	18	1.0
X59	Exposure to Unspecified Factors	18	1.0
X60-X84	Intentional Self-Harm	404	22.4
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	3	0.2
X62	Intentional Self-Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	2	0.1
X64	Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	28	1.6
X67	Intentional Self-Poisoning by Other Gases and Vapors	3	0.2
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	85	4.7
X71	Intentional Self-Harm by Drowning and Submersion	3	0.2
X72	Intentional Self-Harm by Handgun Discharge	66	3.7
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	33	1.8
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	161	8.9
X78	Intentional Self-Harm by Sharp Object	5	0.3
X80	Intentional Self-Harm by Jumping from a High Place	8	0.4
X81	Intentional Self-Harm by Jumping or Lying Before a Moving Object	4	0.2
X82	Intentional Self-Harm by Crashing a Motor Vehicle	1	0.1
X85-Y09	Assault	103	5.7
X85	Assault by Drugs, Medicaments and Biological Substances	3	0.2
X93	Assault by Handgun Discharge	10	0.6
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	4	0.2
X95	Assault by Other and Unspecified Firearm Discharge	54	3.0
X99	Assault by Sharp Object	10	0.6
Y00	Assault by Blunt Object	1	0.1
Y04	Assault by Bodily Force	4	0.2
Y06	Neglect and Abandonment	1	0.1
Y07	Other Maltreatment Syndromes	3	0.2
Y08	Assault by Other Specified Means	3	0.2
Y09	Assault by Unspecified Means	10	0.6
Y10-Y34	Event of Undetermined Intent	48	2.7
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined Intent	3	0.2
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent	5	0.3
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	11	0.6
Y17	Poisoning by Other Gases and Vapors, Undetermined Intent	1	0.1
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	1	0.1

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
Y21	Drowning and Submersion, Undetermined Intent	3	0.2
Y22	Handgun Discharge, Undetermined Intent	1	0.1
Y23	Rifle, Shotgun and Larger Firearm Discharge, Undetermined Intent	2	0.1
Y24	Other and Unspecified Firearm Discharge, Undetermined Intent	5	0.3
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	8	0.4
Y28	Contact with Sharp Object, Undetermined Intent	1	0.1
Y30	Falling, Jumping or Pushed from a High Place, Undetermined Intent	1	0.1
Y33	Other Specified Events, Undetermined Intent	1	0.1
Y34	Unspecified Event, Undetermined Intent	5	0.3
Y35-Y36	Legal Intervention and Operations of War	4	0.2
Y35	Legal Intervention	4	0.2
Y40-Y84	Complications of Medical and Surgical Care	39	2.2
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	5	0.3
Y44	Agents Primarily Affecting Blood Constituents	3	0.2
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	34	1.9
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	30	1.7
Y84	Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	4	0.2
Y85-Y89	Sequelae of External Causes of Morbidity and Mortality	21	1.2
Y85	Sequelae of Transport Accidents	5	0.3
Y86	Sequelae of Other Accidents	15	0.8
Y88	Sequelae of Surgical and Medical Care as External Cause	1	0.1

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Selected Causes of Resident Deaths: Number by Race  
West Virginia, 2018  
Table 26

Selected Causes of Death	Number by Race of Decedent						Total
	White or Caucasian*	Black or African American	Native American or Aleutian Islander	Asian, Hawaiian or Pacific Islander	Two or More Races	All Other Races	
Fetal Deaths	90	8	0	1	3	1	103
Total Deaths, All Causes	22,645	708	9	50	45	5	23,462
--Deaths Under One Year	106	7	0	0	15	0	128
--Deaths Under 28 Days	65	5	0	0	8	0	78
Tuberculosis	0	0	0	0	0	0	0
Septicemia	365	15	0	0	0	0	380
Human Immunodeficiency Virus Infection	8	3	0	0	0	0	11
Malignant Neoplasms	4,526	112	4	14	28	1	4,685
--of Digestive Organs	1,109	18	0	3	25	0	1,155
----Colon	357	9	0	0	0	0	366
----Pancreas	286	9	0	1	1	0	297
--of Respiratory and Intrathoracic Organs	1,369	40	2	3	1	0	1,415
----Trachea, Bronchus and Lung	1,316	38	2	3	1	0	1,360
--of Breast	288	12	0	1	0	1	302
--of Genitourinary Organs	618	14	1	2	1	0	636
----Cervix Uteri	28	0	0	0	0	0	28
----Ovary	90	2	0	1	1	0	94
----Prostate	169	9	0	1	0	0	179
----Bladder	135	0	0	0	0	0	135
--All Other (Malignant Neoplasms)	1,142	28	1	5	1	0	1,177
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	114	3	0	0	1	0	118
Diabetes Mellitus	888	42	1	1	0	0	932
Dementia	889	27	0	2	2	0	920
Alzheimer's Disease	776	10	0	3	1	0	790
Major Cardiovascular Disease	6,259	192	0	13	6	3	6,473
--Diseases of the Heart	4,861	135	0	10	6	3	5,015
----Ischemic Heart Disease	3,195	86	0	7	3	1	3,292
--Essential Hypertension and Hypertensive Renal Disease	239	16	0	1	0	0	256
--Cerebrovascular Diseases (Stroke)	955	32	0	2	0	0	989
--Arteriosclerosis	58	3	0	0	0	0	61
--Other Diseases of Arteries, Arterioles and Capillaries	146	6	0	0	0	0	152
Influenza and Pneumonia	529	8	0	1	0	1	539
--Influenza	116	1	0	0	0	1	118
--Pneumonia	413	7	0	1	0	0	421
Chronic Lower Respiratory Diseases	1,690	31	1	0	1	0	1,723
--Bronchitis, Emphysema and Asthma	89	3	0	0	0	0	92
Lung Diseases due to External Agents	159	1	0	0	1	0	161
--Coal Worker's Pneumoconiosis	23	0	0	0	0	0	23
Chronic Liver Disease and Cirrhosis	345	5	2	0	0	0	352
Nephritis, Nephrotic Syndrome and Nephrosis	464	25	0	2	0	0	491
Congenital Malformations	61	2	0	0	4	0	67
Ill-Defined and Unknown Causes of Death	301	11	0	1	4	0	317
Accidents, All Forms	1,629	76	0	3	5	0	1,713
--Motor Vehicle	319	12	0	1	1	0	333
--Falls	347	5	0	1	0	0	353
--Drownings	20	1	0	0	0	0	21
--Smoke, Fire and Flames	24	0	0	1	0	0	25
--Poisonings	779	51	0	0	4	0	834
--Other Accidents	140	7	0	0	0	0	147
Intentional Self-Harm (Suicide)	390	11	0	2	1	0	404
Assault (Homicide)	87	16	0	0	0	0	103
Injury Undetermined Whether Accidental or Purposely Inflicted	42	4	0	0	2	0	48
All Other Causes (Residual)	3,123	99	1	8	13	0	3,244

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\*Includes unknown race.

Selected Causes of Male Resident Deaths: Number by Race  
West Virginia, 2018  
Table 27

Selected Causes of Death	Number by Race of Male Decedent						Total
	White or Caucasian*	Black or African American	Native American or Aleutian Islander	Asian, Hawaiian or Pacific Islander	Two or More Races	All Other Races	
Fetal Deaths	47	3	0	1	1	1	53
Total Deaths, All Causes	11,671	401	4	26	20	3	12,125
--Deaths Under One Year	64	5	0	0	4	0	73
--Deaths Under 28 Days	38	4	0	0	2	0	44
Tuberculosis	0	0	0	0	0	0	0
Septicemia	177	5	0	0	0	0	182
Human Immunodeficiency Virus Infection	4	2	0	0	0	0	6
Malignant Neoplasms	2,442	63	2	5	26	0	2,538
--of Digestive Organs	651	8	0	2	25	0	686
----Colon	198	4	0	0	0	0	202
----Pancreas	155	4	0	1	1	0	161
--of Respiratory and Intrathoracic Organs	769	27	1	1	1	0	799
----Trachea, Bronchus and Lung	727	25	1	1	1	0	755
--of Breast	3	0	0	0	0	0	3
--of Genitourinary Organs	332	11	1	1	0	0	345
----Cervix Uteri	0	0	0	0	0	0	0
----Ovary	0	0	0	0	0	0	0
----Prostate	169	9	0	1	0	0	179
----Bladder	99	0	0	0	0	0	99
--All Other (Malignant Neoplasms)	687	17	0	1	0	0	705
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	64	2	0	0	0	0	66
Diabetes Mellitus	480	23	1	1	0	0	505
Dementia	277	15	0	0	1	0	293
Alzheimer's Disease	230	2	0	1	0	0	233
Major Cardiovascular Disease	3,217	101	0	6	2	3	3,329
--Diseases of the Heart	2,605	76	0	3	2	3	2,689
----Ischemic Heart Disease	1,837	45	0	2	1	1	1,886
--Essential Hypertension and Hypertensive Renal Disease	114	9	0	1	0	0	124
--Cerebrovascular Diseases (Stroke)	404	10	0	2	0	0	416
--Arteriosclerosis	25	2	0	0	0	0	27
--Other Diseases of Arteries, Arterioles and Capillaries	69	4	0	0	0	0	73
Influenza and Pneumonia	257	2	0	1	0	0	260
--Influenza	59	0	0	0	0	0	59
--Pneumonia	198	2	0	1	0	0	201
Chronic Lower Respiratory Diseases	794	23	0	0	0	0	817
--Bronchitis, Emphysema and Asthma	38	1	0	0	0	0	39
Lung Diseases due to External Agents	105	0	0	0	1	0	106
--Coal Worker's Pneumoconiosis	23	0	0	0	0	0	23
Chronic Liver Disease and Cirrhosis	212	5	1	0	0	0	218
Nephritis, Nephrotic Syndrome and Nephrosis	244	13	0	2	0	0	259
Congenital Malformations	31	1	0	0	1	0	33
Ill-Defined and Unknown Causes of Death	147	8	0	0	2	0	157
Accidents, All Forms	1,033	54	0	3	3	0	1,093
--Motor Vehicle	221	8	0	1	0	0	230
--Falls	146	3	0	1	0	0	150
--Drownings	16	1	0	0	0	0	17
--Smoke, Fire and Flames	18	0	0	1	0	0	19
--Poisonings	525	38	0	0	3	0	566
--Other Accidents	107	4	0	0	0	0	111
Intentional Self-Harm (Suicide)	312	7	0	1	1	0	321
Assault (Homicide)	60	14	0	0	0	0	74
Injury Undetermined Whether Accidental or Purposely Inflicted	27	3	0	0	1	0	31
All Other Causes (Residual)	1,558	48	0	6	6	0	1,618

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\*Includes unknown race.

Selected Causes of Female Resident Deaths: Number by Race  
West Virginia, 2018  
Table 28

Selected Causes of Death	Number by Race of Female Decedent						Total
	White or Caucasian*	Black or African American	Native American or Aleutian Islander	Asian, Hawaiian or Pacific Islander	Two or More Races	All Other Races	
Fetal Deaths	43	5	0	0	2	0	50
Total Deaths, All Causes	10,974	307	5	24	25	2	11,337
--Deaths Under One Year	42	2	0	0	11	0	55
--Deaths Under 28 Days	27	1	0	0	6	0	34
Tuberculosis	0	0	0	0	0	0	0
Septicemia	188	10	0	0	0	0	198
Human Immunodeficiency Virus Infection	4	1	0	0	0	0	5
Malignant Neoplasms	2,084	49	2	9	27	1	2,172
--of Digestive Organs	458	10	0	1	25	0	494
----Colon	159	5	0	0	0	0	164
----Pancreas	131	5	0	0	0	0	136
--of Respiratory and Intrathoracic Organs	600	13	1	2	0	0	616
----Trachea, Bronchus and Lung	589	13	1	2	0	0	605
--of Breast	285	12	0	1	0	1	299
--of Genitourinary Organs	286	3	0	1	1	0	291
----Cervix Uteri	28	0	0	0	0	0	28
----Ovary	90	2	0	1	1	0	94
----Prostate	0	0	0	0	0	0	0
----Bladder	36	0	0	0	0	0	36
--All Other (Malignant Neoplasms)	455	11	1	4	1	0	472
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	50	1	0	0	1	0	52
Diabetes Mellitus	408	19	0	0	0	0	427
Dementia	612	12	0	2	1	0	627
Alzheimer's Disease	546	8	0	2	1	0	557
Major Cardiovascular Disease	3,042	91	0	7	4	0	3,144
--Diseases of the Heart	2,256	59	0	7	4	0	2,326
----Ischemic Heart Disease	1,358	41	0	5	2	0	1,406
--Essential Hypertension and Hypertensive Renal Disease	125	7	0	0	0	0	132
--Cerebrovascular Diseases (Stroke)	551	22	0	0	0	0	573
--Arteriosclerosis	33	1	0	0	0	0	34
--Other Diseases of Arteries, Arterioles and Capillaries	77	2	0	0	0	0	79
Influenza and Pneumonia	272	6	0	0	0	1	279
--Influenza	57	1	0	0	0	1	59
--Pneumonia	215	5	0	0	0	0	220
Chronic Lower Respiratory Diseases	896	8	1	0	1	0	906
--Bronchitis, Emphysema and Asthma	51	2	0	0	0	0	53
Lung Diseases due to External Agents	54	1	0	0	0	0	55
--Coal Worker's Pneumoconiosis	0	0	0	0	0	0	0
Chronic Liver Disease and Cirrhosis	133	0	1	0	0	0	134
Nephritis, Nephrotic Syndrome and Nephrosis	220	12	0	0	0	0	232
Congenital Malformations	30	1	0	0	3	0	34
Ill-Defined and Unknown Causes of Death	154	3	0	1	2	0	160
Accidents, All Forms	596	22	0	0	2	0	620
--Motor Vehicle	98	4	0	0	1	0	103
--Falls	201	2	0	0	0	0	203
--Drownings	4	0	0	0	0	0	4
--Smoke, Fire and Flames	6	0	0	0	0	0	6
--Poisonings	254	13	0	0	1	0	268
--Other Accidents	33	3	0	0	0	0	36
Intentional Self-Harm (Suicide)	78	4	0	1	0	0	83
Assault (Homicide)	27	2	0	0	0	0	29
Injury Undetermined Whether Accidental or Purposely Inflicted	15	1	0	0	1	0	17
All Other Causes (Residual)	1,565	51	1	2	7	0	1,626

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\*Includes unknown race.

Selected Causes of Resident Deaths by Age Group  
West Virginia, 2018  
Table 29

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	23,462	128	56	196	511	770	1,540	3,380	5,002	5,824	6,055	72.0
--Deaths Under One Year	128	128	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	0	0	0	0	0	0	0	0	0	0	0	0.0
Septicemia	380	0	1	0	2	9	21	48	110	107	82	73.4
Human Immunodeficiency Virus Infection	11	0	0	0	0	2	4	2	3	0	0	53.8
Malignant Neoplasms	4,676	0	5	6	16	88	314	974	1,380	1,218	675	70.8
--of Digestive Organs	1,146	0	0	0	7	26	74	249	335	284	171	70.6
----Colon	366	0	0	0	2	13	25	62	97	97	70	71.4
----Pancreas	297	0	0	0	2	5	18	68	78	83	43	71.1
--of Respiratory and Intrathoracic Organs	1,415	0	0	0	1	13	91	322	475	363	150	70.4
----Trachea, Bronchus and Lung	1,360	0	0	0	1	13	82	308	458	353	145	70.5
--of Breast	302	0	0	0	1	13	34	60	71	67	56	70.0
--of Genitourinary Organs	636	0	0	1	1	9	47	98	174	188	118	72.6
----Cervix Uteri	28	0	0	0	0	4	9	4	4	6	1	60.4
----Ovary	94	0	0	0	0	2	9	25	29	18	11	68.5
----Prostate	179	0	0	0	0	0	3	19	53	55	49	76.9
----Bladder	135	0	0	0	0	0	2	14	40	50	29	75.9
--All Other (Malignant Neoplasms)	1,177	0	5	5	6	27	68	245	325	316	180	70.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	118	1	1	0	1	1	6	16	34	33	25	72.8
Diabetes Mellitus	932	0	0	0	12	17	80	171	243	218	191	71.5
Dementia	920	0	0	0	0	0	2	8	68	280	562	85.9
Alzheimer's Disease	790	0	0	0	0	0	2	11	55	234	488	85.8
Major Cardiovascular Disease	6,473	2	3	4	32	102	331	826	1,263	1,726	2,184	76.4
--Diseases of the Heart	5,015	2	0	3	28	92	273	673	976	1,286	1,682	76.1
----Ischemic Heart Disease	3,292	0	0	1	3	50	188	477	686	869	1,018	75.7
--Essential Hypertension and Hypertensive Renal Disease	256	0	0	0	1	3	19	40	59	59	75	74.5
--Cerebrovascular Diseases (Stroke)	989	0	3	1	3	7	32	88	179	325	351	78.3
--Arteriosclerosis	61	0	0	0	0	0	0	4	11	15	31	82.6
--Other Diseases of Arteries, Arterioles and Capillaries	152	0	0	0	0	0	7	21	38	41	45	76.1
Influenza and Pneumonia	539	1	2	1	1	10	24	55	102	139	204	77.4
--Influenza	118	0	2	1	1	3	5	12	24	27	43	75.7
--Pneumonia	421	1	0	0	0	7	19	43	78	112	161	77.9
Chronic Lower Respiratory Diseases	1,723	0	0	1	1	4	43	249	514	555	356	71.3
--Bronchitis, Emphysema and Asthma	92	0	0	0	1	1	6	12	32	24	16	72.3
Lung Diseases due to External Agents	161	0	0	0	0	0	1	16	33	48	63	80.0
--Coal Workers Pneumoconiosis	23	0	0	0	0	0	0	3	6	8	6	77.6
Chronic Liver Disease and Cirrhosis	352	0	0	0	2	18	64	124	79	51	14	62.5
Nephritis, Nephrotic Syndrome and Nephrosis	491	1	0	0	3	11	23	58	117	146	132	74.7
Congenital Malformations	67	30	2	0	3	8	8	12	2	2	0	27.2
Ill-Defined and Unknown Causes of Death	317	25	2	0	9	9	21	39	57	61	94	67.5
Accidents, All Forms	1,713	6	16	107	273	298	281	219	157	171	185	52.7
--Motor Vehicle	333	3	10	47	55	35	45	44	46	34	14	47.8
--Falls	353	0	0	2	1	6	8	28	58	100	150	79.4
--Drownings	21	0	2	2	2	2	6	3	1	3	0	45.0
--Smoke, Fire and Flames	25	0	0	0	5	2	2	6	3	6	1	58.1
--Poisonings	834	0	2	52	204	241	198	108	25	4	0	41.9
--Other Accidents	147	3	2	4	6	12	22	30	24	24	20	61.4
Intentional Self-Harm (Suicide)	404	0	4	42	64	68	80	74	38	25	9	47.5
Assault (Homicide)	103	2	5	8	31	19	19	8	6	4	1	39.4
Injury Undetermined Whether Accidental or Purposely Inflicted	48	4	2	6	6	5	13	3	5	4	0	41.7
All Other Causes (Residual)	3,244	56	13	21	55	101	203	467	736	802	790	71.3

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Selected Causes of Resident Deaths by Month of Occurrence  
West Virginia, 2018  
Table 30

Selected Causes of Death	Number of Deaths per Month												Total
	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	
Fetal Deaths	10	5	10	10	3	5	10	13	10	9	8	10	103
Total Deaths, All Causes	2,471	1,897	2,080	1,934	1,929	1,816	1,811	1,839	1,835	1,953	1,852	2,045	23,462
--Deaths Under One Year	9	8	11	5	19	10	9	15	11	13	6	12	128
--Deaths Under 28 Days	4	8	7	2	8	1	8	10	7	10	4	9	78
Tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	42	37	49	29	30	29	22	26	37	31	21	27	380
Human Immunodeficiency Virus Infection	2	1	2	2	1	0	0	0	0	2	1	0	11
Malignant Neoplasms	439	405	369	376	387	363	407	390	370	405	364	401	4,676
--of Digestive Organs	106	97	78	101	90	105	79	89	83	98	99	121	1,146
----Colon	27	28	22	42	22	44	28	23	27	31	34	38	366
----Pancreas	27	26	24	20	22	29	26	19	22	23	26	33	297
--of Respiratory and Intrathoracic Organs	126	136	124	116	131	102	127	116	115	108	112	102	1,415
----Trachea, Bronchus and Lung	121	133	117	113	119	100	125	111	112	106	104	99	1,360
--of Breast	29	26	20	21	27	22	31	29	18	27	18	34	302
--of Genitourinary Organs	72	47	58	33	52	50	62	49	61	66	45	41	636
----Cervix Uteri	6	3	4	3	2	3	2	1	1	1	0	2	28
----Ovary	3	8	8	6	9	9	7	8	9	16	5	6	94
----Prostate	22	12	19	6	15	14	19	15	16	18	15	8	179
----Bladder	18	8	7	4	11	17	13	11	14	11	9	12	135
--All Other (Malignant Neoplasms)	106	99	89	105	87	84	108	107	93	106	90	103	1,177
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	11	10	8	8	12	11	10	12	8	9	9	10	118
Diabetes Mellitus	112	67	67	74	94	80	66	73	66	77	75	81	932
Dementia	116	87	72	75	76	62	65	59	65	78	75	90	920
Alzheimer's Disease	85	55	83	53	64	71	68	65	60	61	56	69	790
Major Cardiovascular Disease	707	491	601	560	507	512	499	485	522	534	494	561	6,473
--Diseases of the Heart	536	383	458	437	396	396	410	374	409	416	379	421	5,015
----Ischemic Heart Disease	355	245	298	293	249	243	269	255	287	281	242	275	3,292
--Essential Hypertension and Hypertensive Renal Disease	28	23	24	20	23	15	14	25	25	20	20	19	256
--Cerebrovascular Diseases (Stroke)	113	70	93	82	78	85	63	73	71	86	79	96	989
--Arteriosclerosis	16	6	10	4	3	1	4	4	1	2	4	6	61
--Other Diseases of Arteries, Arterioles and Capillaries	14	9	16	17	7	15	8	9	16	10	12	19	152
Influenza and Pneumonia	123	60	64	50	34	24	24	27	36	26	39	32	539
--Influenza	76	22	12	6	0	0	0	0	0	0	1	1	118
--Pneumonia	47	38	52	44	34	24	24	27	36	26	38	31	421
Chronic Lower Respiratory Diseases	180	163	150	146	165	129	126	116	114	139	140	155	1,723
--Bronchitis, Emphysema and Asthma	11	10	5	7	8	11	2	6	8	4	10	10	92
Lung Diseases due to External Agents	21	9	15	13	10	14	18	14	10	14	12	11	161
--Coal Worker's Pneumoconiosis	3	1	2	3	1	3	1	2	2	4	1	0	23
Chronic Liver Disease and Cirrhosis	23	13	23	30	33	44	28	36	35	31	25	31	352
Nephritis, Nephrotic Syndrome and Nephrosis	63	47	44	37	43	30	26	49	41	35	38	38	491
Congenital Malformations	8	5	8	6	4	4	5	7	4	6	4	6	67
Ill-Defined and Unknown Causes of Death	25	21	22	27	22	23	25	30	25	23	31	43	317
Accidents, All Forms	133	127	154	130	154	147	146	148	141	147	143	143	1,713
--Motor Vehicle	17	13	23	28	36	25	30	34	37	35	30	25	333
--Falls	37	25	39	21	26	33	22	18	26	28	41	37	353
--Drownings	0	0	2	2	2	3	7	1	2	0	2	0	21
--Smoke, Fire and Flames	6	3	1	1	2	3	2	1	4	0	0	2	25
--Poisonings	60	75	76	70	74	66	72	82	60	72	57	70	834
--Other Accidents	13	11	13	8	14	17	13	12	12	12	13	9	147
Intentional Self-Harm (Suicide)	31	24	38	34	36	31	37	33	43	33	29	35	404
Assault (Homicide)	10	9	8	8	7	8	5	7	14	8	12	7	103
Injury Undetermined Whether Accidental or Purposely Inflicted	4	3	7	2	9	4	4	7	2	2	4	0	48
All Other Causes (Residual)	336	263	296	274	241	230	230	255	242	292	280	305	3,244

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

## Infant and Fetal Death Summary

Deaths of infants under one year of age decreased by five from 133 in 2017 to 128. West Virginia's infant mortality rate also decreased (1.4%) from 7.1 per 1,000 live births in 2017 to 7.0 in 2018. The U.S. infant mortality rate was 5.7 in 2018.

The following table shows the decline in the national and state infant mortality rates from 1950 through 2018.

**1950 – 2018 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
2018	7.0	5.7

The state's 2018 white infant mortality rate decreased from 6.9 in 2017 to 6.6 in 2018, and the rate for black infants increased to 12.4. West Virginia's 2018 race-specific infant mortality rates and comparable U.S. rates are shown in the table on the following page.



**2018 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	128	7.0	21,467	5.7
White	106	6.3	13,428	4.8
Black	7	10.8	6,760	11.2
Other	15	7.0	1,279	3.2

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

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Approximately one out of five (21.1%) infant deaths in 2018 was due to SUIDS (sudden unexplained infant death syndrome). Nearly one in four (23.4%) was the result of congenital malformations, while 35.9% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (9.4%).

### Neonatal/Postneonatal Deaths

The number of neonatal deaths remained the same at 78 for 2017 and 2018. However, the neonatal death rate increased from 4.2 deaths per 1,000 live births among infants aged less than 28 days in 2017 to 4.3 in 2018. Neonatal deaths comprised 60.9% of all West Virginia resident infant deaths in 2018, compared with 58.8% in 2017. The rate of postneonatal deaths declined from 3.0 deaths per 1,000 neonatal survivors in 2017 to 2.8 in 2018. The 2018 U.S. neonatal death rate was 3.8, while the postneonatal rate was 1.9 deaths per 1,000 neonatal survivors.

### Fetal Deaths

Fetal deaths are registered when birthweight is at least 350 grams or, if the weight is unknown, those occurring after 20 or more weeks gestation.

The 103 resident fetal deaths reported with a birthweight of at least 350 grams or, if the weight is unknown, those occurring after 20 or more weeks of gestation. in 2018 were four less than in 2017 (107). The fetal death ratio dropped from 5.7 deaths per 1,000 live births in 2017 to 5.6 in 2018. The majority (90.3%) of fetal deaths were due to conditions originating in the

perinatal period, including maternal conditions (0.9%), maternal complications (50.5%), short gestation and low birthweight (3.9%) and other ill-defined perinatal conditions (24.3%). There were nine (9) fetal deaths due to congenital malformations in 2018, 8.7% of the total.

Fetal Deaths, Neonatal Deaths and Postneonatal Deaths: Number and Rate/Ratio  
West Virginia Resident Deaths, 1925-2018

Table 31

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	5.7	78	4.2	55	2.9	3.0
2018	103	5.6	78	4.2	50	2.7	2.8

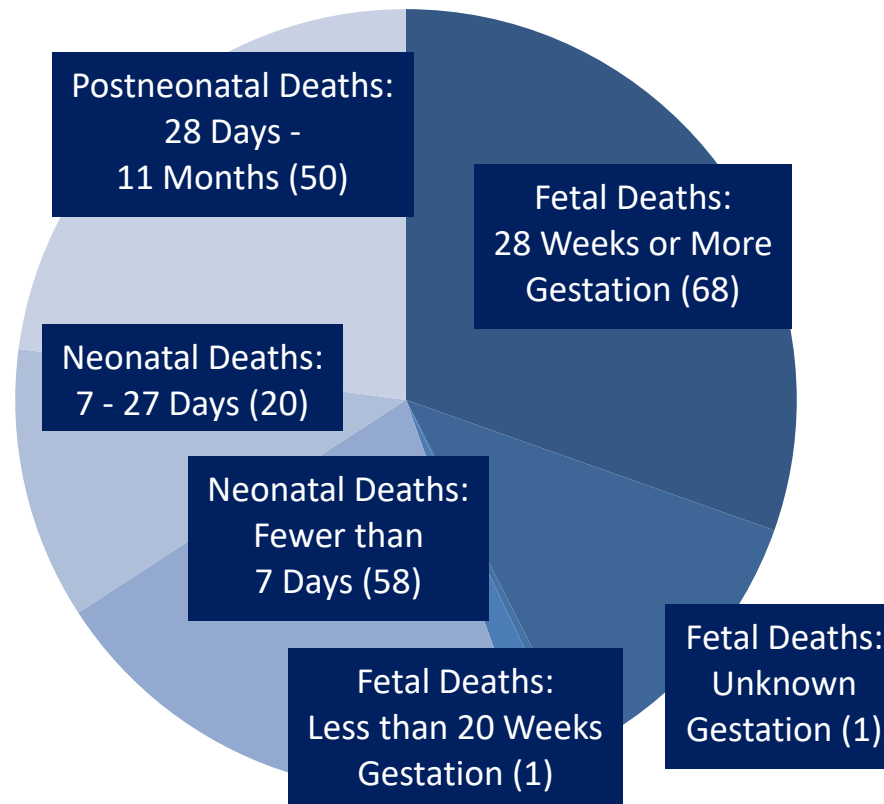
\*Neonatal Survivors are live births minus neonatal deaths

West Virginia Bureau for Public Health

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## Fetal Deaths, Neonatal Deaths and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2018

Exhibit 14



Causes of Resident Infant Deaths by Age  
West Virginia, 2018  
Table 32

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	38	20	20	50	128
A00-B99	Certain Infectious and Parasitic Diseases	0	0	1	3	4
A00-A09	Intestinal Infectious Diseases	0	0	1	1	2
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	0	0	1	1	2
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	0	0	0	1	1
B00	Herpesviral [Herpes Simplex] Infection	0	0	0	1	1
B25-B34	Other Viral Diseases	0	0	0	1	1
B34	Viral Infection of Unspecified Site	0	0	0	1	1
C00-D48	Neoplasms	1	0	0	0	1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	1	0	0	0	1
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	1	0	0	0	1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	0	0	1	1	2
E00-E07	Disorders of Thyroid Gland	0	0	0	1	1
E05	Thyrotoxicosis [Hyperthyroidism]	0	0	0	1	1
E70-E90	Metabolic Disorders	0	0	1	0	1
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	0	0	1	0	1
G00-G99	Diseases of the Nervous System	0	0	0	2	2
G35-G37	Demyelinating Diseases of the Central Nervous System	0	0	0	1	1
G37	Other Demyelinating	0	0	0	1	1
G40-G47	Episodic and Paroxysmal Disorders	0	0	0	1	1
G40	Epilepsy	0	0	0	1	1
I00-I99	Diseases of the Circulatory System	0	0	0	2	2
I00-I09, I13, I20-I26-I28	Diseases of the Heart	0	0	0	2	2
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	0	0	0	1	1
I27	Other Pulmonary Heart Diseases	0	0	0	1	1
I30-I52	Other forms of Heart Diseases	0	0	0	1	1
I31	Other Diseases of Pericardium	0	0	0	1	1
J00-J99	Diseases of the Respiratory System	0	0	0	3	3
J00-J06	Acute Upper Respiratory Infections	0	0	0	1	1
J06	Acute Upper Respiratory Infections of Multiple and Unspecified Sites	0	0	0	1	1
J09-J18	Influenza and Pneumonia	0	0	0	1	1
J18	Pneumonia, Organism Unspecified	0	0	0	1	1
J20-J22	Other Acute Lower Respiratory Infections	0	0	0	1	1
J21	Acute Bronchiolitis	0	0	0	1	1
N00-N99	Diseases of the Genitourinary System	0	0	0	1	1
N17-N19	Renal Failure	0	0	0	1	1
N19	Unspecified Renal Failure	0	0	0	1	1
P00-P96	Certain Conditions Originating in the Perinatal Period	23	16	7	0	46
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	10	4	1	0	15
P00	Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	1	1	0	0	2
P00.0	Maternal Hypertensive Disorders	1	0	0	0	1
P00.5	Maternal Injury	0	1	0	0	1
P01	Newborn Affected by Maternal Complications of Pregnancy	5	0	0	0	5
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	3	0	0	0	3
P01.3	Polyhydramnios	1	0	0	0	1
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	1	1	1	0	3
P02.3	Placental Transfusion Syndromes	0	1	0	0	1
P02.5	Other Compression of Umbilical Cord	0	0	1	0	1
P02.6	Other and Unspecified Conditions of Umbilical Cord	1	0	0	0	1
P03	Newborn Affected by Other Complications of Labor and Delivery	1	2	0	0	3
P04	Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	2	0	0	0	2
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	10	2	0	0	12
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	10	2	0	0	12
P07.0	Extremely Low Birthweight	1	0	0	0	1
P07.2	Extreme Immaturity	6	0	0	0	6
P07.3	Other Preterm Infants	3	2	0	0	5
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	2	4	1	0	7
P21	Birth Asphyxia	0	1	0	0	1
P22	Respiratory Distress of Newborn	1	3	0	0	4

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Causes of Resident Infant Deaths by Age  
West Virginia, 2018  
Table 32 (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
P22.0	Respiratory Distress Syndrome	1	3	0	0	4
P23	Congenital Pneumonia	0	0	1	0	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	1	0	0	0	1
P29.1	Neonatal Cardiac Dysrhythmia	1	0	0	0	1
P35-P39	Infections Specific to the Perinatal Period	0	1	3	0	4
P35	Congenital Viral Diseases	0	0	1	0	1
P36	Bacterial Sepsis of Newborn	0	1	2	0	3
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	1	4	0	0	5
P52	Intracranial Nontraumatic Hemorrhage of Newborn	0	3	0	0	3
P60	Disseminated Intravascular Coagulation of Newborn	0	1	0	0	1
P61	Other Perinatal Hematological Disorders	1	0	0	0	1
P75-P78	Digestive System Disorders of Newborn	0	0	2	0	2
P77	Necrotizing Enterocolitis of Newborn	0	0	2	0	2
P80-P83	Conditions Involving the Integument and Temperature Regulation of Newborn	0	1	0	0	1
P83	Other Conditions of Integument Specific to Newborn	0	1	0	0	1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	14	3	7	6	30
Q00-Q07	Congenital Malformations of the Nervous System	2	0	2	0	4
Q00	Anencephaly and Similar Malformations	1	0	1	0	2
Q01	Encephalocele	0	0	1	0	1
Q04	Other Congenital Malformations of Brain	1	0	0	0	1
Q20-Q28	Congenital Malformations of the Circulatory System	3	2	1	3	9
Q21	Congenital Malformations of Cardiac Septa	0	1	0	1	2
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	0	0	1	1
Q23	Congenital Malformations of Aortic and Mitral Valves	3	0	0	0	3
Q24	Other Congenital Malformations of the Heart	0	1	1	1	3
Q30-Q34	Congenital Malformations of the Respiratory System	2	0	0	0	2
Q33	Congenital Malformations of Lung	2	0	0	0	2
Q60-Q64	Congenital Malformations of the Urinary System	2	0	0	0	2
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	0	0	0	1
Q61	Cystic Kidney Disease	1	0	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	3	1	0	0	4
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	2	0	0	0	2
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	1	1	0	0	2
Q80-Q89	Other Congenital Malformations	1	0	1	2	4
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	1	0	0	1	2
Q89	Other Congenital Malformations, Not Elsewhere Classified	0	0	1	1	2
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	1	0	3	1	5
Q91	Edwards' Syndrome and Patau's Syndrome	1	0	3	0	4
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere Classified	0	0	0	1	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	0	3	22	25
R95-R99	Ill-Defined and Unknown Causes of Mortality	0	0	3	22	25
R95	Sudden Infant Death Syndrome	0	0	0	6	6
R99	Other Ill-Defined and Unspecified Causes of Mortality	0	0	3	16	19
V01-Y98	External Causes of Morbidity and Mortality	0	1	1	10	12
V01-V99	Transport Accidents	0	1	0	2	3
V80-V89	Other Land Transport Accidents	0	1	0	2	3
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	0	1	0	0	1
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	0	0	0	2	2
W00-X59	Other External Causes of Accidental Injury	0	0	1	2	3
W75-	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	2	2
Y07	Other Maltreatment Syndromes	0	0	0	1	1
Y08	Assault by Other Specified Means	0	0	0	1	1
Y10-Y34	Event of Undetermined Intent	0	0	0	4	4
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs,	0	0	0	1	1
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances,	0	0	0	1	1
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	0	0	0	1	1
Y34	Unspecified Event, Undetermined Intent	0	0	0	1	1

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Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2018  
Table 33

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	54	22	50	2	128
A00-B99	Certain Infectious and Parasitic Diseases	4	0	0	0	4
A00-A09	Intestinal Infectious Diseases	2	0	0	0	2
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	2	0	0	0	2
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	1	0	0	0	1
B00	Herpesviral [Herpes Simplex] Infection	1	0	0	0	1
B25-B34	Other Viral Diseases	1	0	0	0	1
B34	Viral Infection of Unspecified Site	1	0	0	0	1
C00-D48	Neoplasms	1	0	0	0	1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	1	0	0	0	1
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	1	0	0	0	1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1	0	1	0	2
E00-E07	Disorders of Thyroid Gland	0	0	1	0	1
E05	Thyrotoxicosis [Hyperthyroidism]	0	0	1	0	1
E70-E90	Metabolic Disorders	1	0	0	0	1
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	1	0	0	0	1
G00-G99	Diseases of the Nervous System	1	0	1	0	2
G35-G37	Demyelinating Diseases of the Central Nervous System	1	0	0	0	1
G37	Other Demyelinating	1	0	0	0	1
G40-G47	Episodic and Paroxysmal Disorders	0	0	1	0	1
G40	Epilepsy	0	0	1	0	1
I00-I99	Diseases of the Circulatory System	0	1	1	0	2
I00-I09, I11	Diseases of the Heart	0	1	1	0	2
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	0	1	0	0	1
I27	Other Pulmonary Heart Diseases	0	1	0	0	1
I30-I52	Other forms of Heart Diseases	0	0	1	0	1
I31	Other Diseases of Pericardium	0	0	1	0	1
J00-J99	Diseases of the Respiratory System	2	0	1	0	3
J00-J06	Acute Upper Respiratory Infections	0	0	1	0	1
J06	Acute Upper Respiratory Infections of Multiple and Unspecified Sites	0	0	1	0	1
J09-J18	Influenza and Pneumonia	1	0	0	0	1
J18	Pneumonia, Organism Unspecified	1	0	0	0	1
J20-J22	Other Acute Lower Respiratory Infections	1	0	0	0	1
J21	Acute Bronchiolitis	1	0	0	0	1
N00-N99	Diseases of the Genitourinary System	1	0	0	0	1
N17-N19	Renal Failure	1	0	0	0	1
N19	Unspecified Renal Failure	1	0	0	0	1
P00-P96	Certain Conditions Originating in the Perinatal Period	36	1	7	2	46
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and	10	1	3	1	15
P00	Newborn Affected by Maternal Conditions That May Be Unrelated to Present	1	0	0	1	2
P00.0	Maternal Hypertensive Disorders	1	0	0	0	1
P00.5	Maternal Injury	0	0	0	1	1
P01	Newborn Affected by Maternal Complications of Pregnancy	5	0	0	0	5
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	3	0	0	0	3
P01.3	Polyhydramnios	1	0	0	0	1
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	1	0	2	0	3
P02.3	Placental Transfusion Syndromes	1	0	0	0	1
P02.5	Other Compression of Umbilical Cord	0	0	1	0	1
P02.6	Other and Unspecified Conditions of Umbilical Cord	0	0	1	0	1
P03	Newborn Affected by Other Complications of Labor and Delivery	1	1	1	0	3
P04	Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast	2	0	0	0	2
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	11	0	0	1	12
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere	11	0	0	1	12
P07.0	Extremely Low Birthweight	1	0	0	0	1
P07.2	Extreme Immaturity	6	0	0	0	6
P07.3	Other Preterm Infants	4	0	0	1	5
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	4	0	3	0	7
P21	Birth Asphyxia	1	0	0	0	1
P22	Respiratory Distress of Newborn	3	0	1	0	4

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Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2018  
Table 33 (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	
P22.0	Respiratory Distress Syndrome	3	0	1	0	4
P23	Congenital Pneumonia	0	0	1	0	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	0	0	1	0	1
P29.1	Neonatal Cardiac Dysrhythmia	0	0	1	0	1
P35-P39	Infections Specific to the Perinatal Period	3	0	1	0	4
P35	Congenital Viral Diseases	0	0	1	0	1
P36	Bacterial Sepsis of Newborn	3	0	0	0	3
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	5	0	0	0	5
P52	Intracranial Nontraumatic Hemorrhage of Newborn	3	0	0	0	3
P60	Disseminated Intravascular Coagulation of Newborn	1	0	0	0	1
P61	Other Perinatal Hematological Disorders	1	0	0	0	1
P75-P78	Digestive System Disorders of Newborn	2	0	0	0	2
P77	Necrotizing Enterocolitis of Newborn	2	0	0	0	2
P80-P83	Conditions Involving the Integument and Temperature Regulation of Newborn	1	0	0	0	1
P83	Other Conditions of Integument Specific to Newborn	1	0	0	0	1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	7	13	10	0	30
Q00-Q07	Congenital Malformations of the Nervous System	1	2	1	0	4
Q00	Anencephaly and Similar Malformations	0	1	1	0	2
Q01	Encephalocele	0	1	0	0	1
Q04	Other Congenital Malformations of Brain	1	0	0	0	1
Q20-Q28	Congenital Malformations of the Circulatory System	1	3	5	0	9
Q21	Congenital Malformations of Cardiac Septa	1	1	0	0	2
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	1	0	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	1	2	0	3
Q24	Other Congenital Malformations of the Heart	0	0	3	0	3
Q30-Q34	Congenital Malformations of the Respiratory System	2	0	0	0	2
Q33	Congenital Malformations of Lung	2	0	0	0	2
Q60-Q64	Congenital Malformations of the Urinary System	0	1	1	0	2
Q60	Renal Agenesis and Other Reduction Defects of Kidney	0	0	1	0	1
Q61	Cystic Kidney Disease	0	1	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	2	2	0	4
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	0	1	1	0	2
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	1	1	0	2
Q80-Q89	Other Congenital Malformations	1	2	1	0	4
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple	1	0	1	0	2
Q89	Other Congenital Malformations, Not Elsewhere Classified	0	2	0	0	2
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	2	3	0	0	5
Q91	Edwards' Syndrome and Patau's Syndrome	2	2	0	0	4
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere	0	1	0	0	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	1	6	18	0	25
R95-R99	Ill-Defined and Unknown Causes of Mortality	1	6	18	0	25
R95	Sudden Infant Death Syndrome	0	2	4	0	6
R99	Other Ill-Defined and Unspecified Causes of Mortality	1	4	14	0	19
V01-Y98	External Causes of Morbidity and Mortality	0	1	11	0	12
V01-V99	Transport Accidents	0	1	2	0	3
V80-V89	Other Land Transport Accidents	0	1	2	0	3
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	0	1	0	0	1
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	0	0	2	0	2
W00-X59	Other External Causes of Accidental Injury	0	0	3	0	3
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	0	2	0	2
Y07	Other Maltreatment Syndromes	0	0	1	0	1
Y08	Assault by Other Specified Means	0	0	1	0	1
Y10-Y34	Event of Undetermined Intent	0	0	4	0	4
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and	0	0	1	0	1
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological	0	0	1	0	1
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	0	0	1	0	1
Y34	Unspecified Event, Undetermined Intent	0	0	1	0	1

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Births and Infant Deaths by Selected Risk Factors and Demographics  
West Virginia Residents, 2018  
Table 34

Factor	Births		Infant Deaths	
	Number	Percent*	Number	Percent*
Total	18,243		128	
Birthweight < 2,500 Grams	1,716	9.4%	76	60.3%
Birthweight < 1,500 Grams	289	1.6%	54	42.9%
Gestational Age < 37 Weeks	2,164	11.9%	77	61.1%
Gestational Age 37-38 Weeks	5,415	29.7%	20	15.9%
Gestational Age 39+ Weeks	10,656	58.4%	29	23.0%
Age of Mother < 20 Years	1,321	7.2%	13	10.3%
Age of Mother < 15 Years	10	0.1%	0	0.0%
Unmarried Mothers	8,276	83.0%	85	67.5%
Mothers Using Tobacco	0	0.0%	55	43.7%
White or Caucasian Mothers	16,908	92.8%	112	93.3%
Black or African American Mothers	647	3.6%	8	6.7%
Mothers of Other Races	664	3.6%	2	1.7%
Mothers of Unknown Race	24		6	

NOTE: Two Infant deaths in 2018 did NOT have a matching birth certificate.

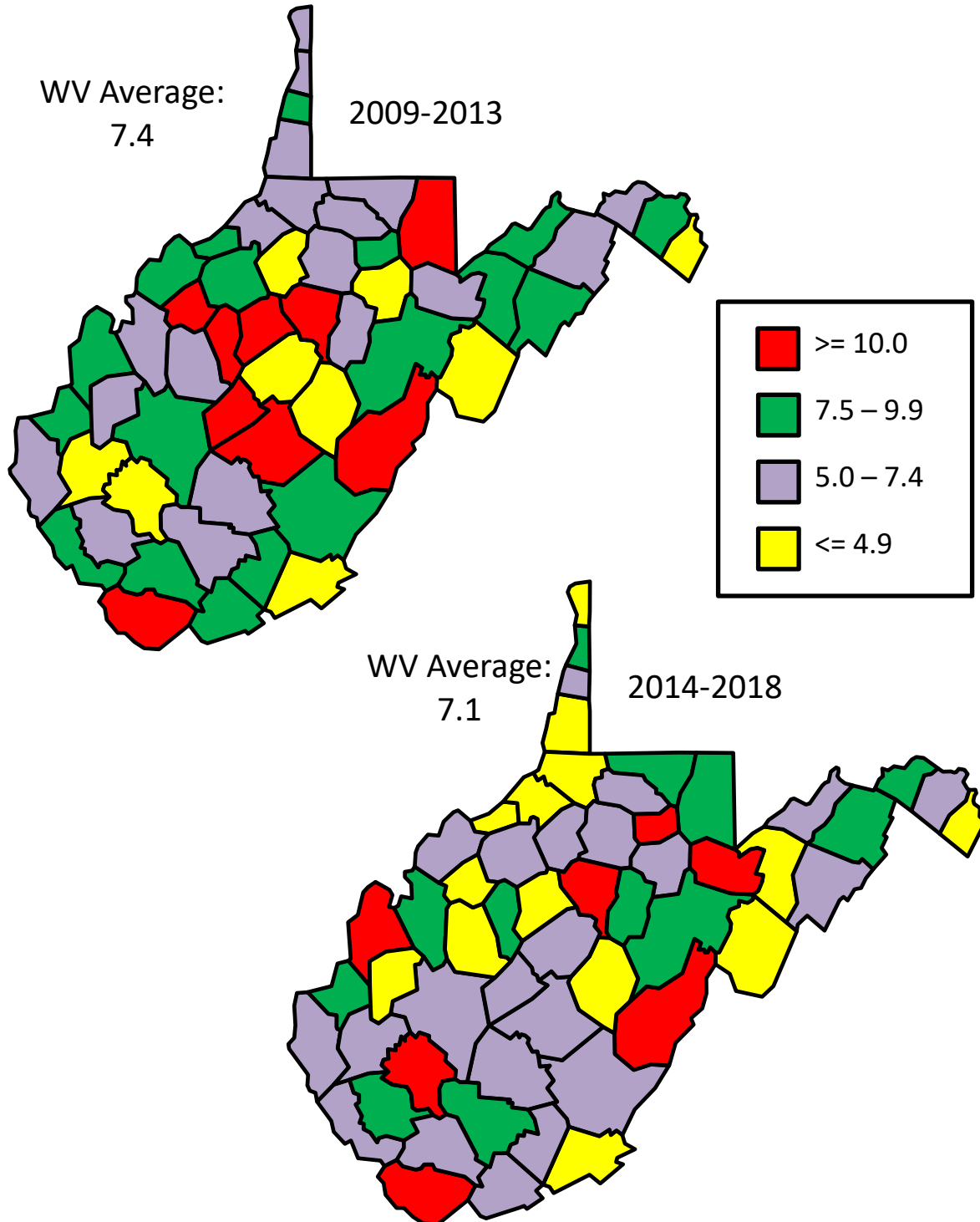
\*Percentages are calculated excluding unknown numbers.

West Virginia Bureau for Public Health

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# Resident Infant Death Rates by County West Virginia, 2009-2013 and 2014-2018

## Exhibit 15



West Virginia Bureau for Public Health  
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Causes of Resident Fetal Deaths  
West Virginia, 2014-2018  
Table 35

ICDA 10 Code	Cause of Death	2014*	2015	2016	2017	2018
A00-Z99*	Total Deaths, All Causes	87	86	96	107	103
C00-D48	Neoplasms	1	0	0	0	1
D10-D36	Benign Neoplasms	1	0	0	0	1
D18	Hemangioma and Lymphangioma, Any Site	1	0	0	0	1
I00-I99	Diseases of the Circulatory System	1	0	0	0	0
I60-I69	Cerebrovascular Diseases	1	0	0	0	0
I62	Other Nontraumatic Intracranial Hemorrhage	1	0	0	0	0
P00-P96	Certain Conditions Originating in the Perinatal Period	76	70	26	103	93
P00-P04	Fetus Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	37	33	11	2	52
P00	Fetus Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	4	5	0	1	9
P00.0	Maternal Hypertensive Disorders	4	5	0	0	2
P00.2	Maternal Infectious and Parasitic Diseases	0	0	0	0	1
P00.8	Other Maternal Conditions	0	0	0	1	6
P01	Fetus Affected by Maternal Complications of Pregnancy	5	6	2	1	7
P01.0	Incompetent Cervix	1	0	0	0	0
P01.1	Premature Rupture of Membranes	3	6	1	1	5
P01.2	Oligohydramnios	0	0	0	0	1
P01.3	Polyhydramnios	0	0	1	0	0
P01.5	Multiple Pregnancy	0	0	0	0	1
P01.8	Other Maternal Complications of Pregnancy	1	0	0	0	0
P02	Fetus Affected by Complications of Placenta, Cord and Membranes	27	22	7	0	34
P02.1	Other Forms of Placenta Separation and Hemorrhage	6	8	2	0	16
P02.2	Other and Unspecified Morphological and Functional Abnormalities of Placenta	1	0	0	0	6
P02.3	Placental Transfusion Syndromes	1	0	0	0	0
P02.4	Prolapsed Cord	2	0	0	0	2
P02.5	Other Compression of Umbilical Cord	6	5	2	0	4
P02.6	Other and Unspecified Conditions of Umbilical Cord	10	7	0	0	3
P02.7	Chorioamnionitis	1	2	2	0	3
P03	Fetus Affected by Other Complications of Labor and Delivery	0	0	1	0	1
P04	Fetus Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	1	0	1	0	1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	5	6	1	50	5
P05	Slow Fetal Growth and Fetal Malnutrition	0	1	0	0	0
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	5	5	1	50	4
P07.0	Extremely Low Birthweight	0	0	0	0	1
P07.1	Other Low Birthweight	0	0	0	0	1
P07.2	Extreme Immaturity	2	1	1	50	1
P07.3	Other Preterm Infants	3	4	0	0	1
P08	Disorders Related to Long Gestation and High Birthweight	0	0	0	0	1
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	2	2	1	0	1
P20	Intrauterine Hypoxia	2	0	0	0	0

\*Lower numbers than previously reported. See summary pages 77 and 78 for details.

West Virginia Bureau for Public Health  
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Causes of Resident Fetal Deaths  
West Virginia, 2014-2018  
Table 35 (Cont'd)

ICDA 10 Code	Cause of Death	2014*	2015	2016	2017	2018
P29	Cardiovascular Disorders Originating in the Perinatal Period	0	2	1	0	1
P29.0	Neonatal Cardiac Failure	0	1	0	0	0
P29.1	Neonatal Cardiac Dysrhythmia	0	0	1	0	0
P29.2	Neonatal Hypertension	0	1	0	0	0
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	0	0	0	0	1
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus	1	0	1	0	6
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Fetus	1	0	1	0	6
P70.0	Syndrome of Infant of Mother with Gestational Diabetes	0	0	0	0	3
P70.1	Syndrome of Infant of a Diabetic Mother	1	0	1	0	3
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus	4	1	0	0	4
P83	Other Conditions of Integument Specific to Fetus	4	1	0	0	4
P90-P96	Other Disorders Originating in the Perinatal Period	27	28	12	51	25
P91	Other Disturbances of Cerebral Status of Newborn	1	0	0	0	0
P95	Fetal Death of Unspecified Cause	0	1	0	51	25
P96	Other Conditions Originating in the Perinatal Period	26	27	12	0	0
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	9	8	2	0	9
Q00-Q07	Congenital Malformations of the Nervous System	2	0	0	0	2
Q00	Anencephaly and Similar Malformations	0	0	0	0	1
Q01	Encephalocele	0	0	0	0	1
Q03	Congenital Hydrocephalus	1	0	0	0	0
Q04	Other Congenital Malformations of Brain	1	0	0	0	0
Q20-Q28	Congenital Malformations of the Circulatory System	1	0	1	0	0
Q21	Congenital Malformations of Cardiac Septa	0	0	1	0	0
Q23	Congenital Malformations of Aortic and Mitral Valves	1	0	0	0	0
Q30-Q34	Congenital Malformations of the Respiratory System	0	1	0	0	0
Q32	Congenital Malformations of Trachea and Bronchus	0	1	0	0	0
Q60-Q64	Congenital Malformations of the Urinary System	0	0	1	0	0
Q60	Renal Agenesis and Other Reduction Defects of Kidney	0	0	1	0	0
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	1	1	0	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	1	1	0	0	1
Q80-Q89	Other Congenital Malformations	2	3	0	0	0
Q89	Other Congenital Malformations, Not Elsewhere Classified	2	3	0	0	0
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	3	3	0	0	6
Q91	Edwards' Syndrome and Patau's Syndrome	0	3	0	0	5
Q96	Turner's Syndrome	2	0	0	0	1
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	1	0	0	0	0
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	8	68	4	0
R95-R99	Ill-Defined and Unknown Causes of Mortality	0	8	68	4	0
R99	Other Ill-Defined and Unspecified Causes of Mortality	0	8	68	4	0

\*Lower numbers than previously reported. See summary pages 77 and 78 for details.  
West Virginia Bureau for Public Health  
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West Virginia Vital Statistics  
**Induced Terminations  
of Pregnancy (ITOP)**

## Induced Terminations of Pregnancy (ITOP) Summary

The annual reporting of induced terminations of pregnancy (ITOP) 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 only. 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 performs ITOP on demand in West Virginia is in Charleston, which makes the likelihood of out-of-state ITOP 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 seeks an ITOP in West Virginia. Due to known incomplete reporting, the procedures performed on West Virginia residents in other states have been excluded from the compiled statistics.

W.Va. Code §16-21-2 requires clinics to provide counseling and informational guidance to females seeking an abortion. All but one of the 2018 ITOP records indicate the female did receive counseling, compared to all but four in 2017. There are some isolated incidents where the ITOP needs to be performed due to a medical emergency. In 2018, there were three ITOPs performed due to a medical emergency, compared to seven in 2017.

In 2018, there were 1,508 ITOP performed in West Virginia, 59 or 4.1% more than in 2017 (1,449). Over six out of every seven (86.2%) ITOP involved a West Virginia resident, while 6.2% were Ohio residents and 6.0% were residents of Kentucky, compared with 2017 percentages of 90.0%, 4.8%, and 5.2%, respectively. The median age of women having an ITOP in 2018 was 25, the same as 2017. There were 42 procedures in 2018 involving females under the age of 18, of which all 42 were performed on unemancipated\* minors, compared with 38 in 2017. More than four out of every five (84.1%) of the 2018 ITOP performed in West Virginia involved women who were not married at the time. Almost thirty percent (29.9%) of the 2018 ITOP involved women who had never had a previous live birth, while 85.3% were to women who had two or fewer children. There were four ITOPs involving women who had six or more children. Fifty-eight percent (58.2%) involved women for whom it was their first ITOP, while nearly all (94.8%) involved women who had two or fewer previous ITOP. Two ITOPs involved 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, 2018**

**Table 36**

Age of Female	Weeks of Gestation							Total
	Less than 9	9-10	11-12	13-15	16-19	20 or More	Unknown	
10-14	2	0	0	3	0	0	0	5
15-17	19	6	4	7	1	0	0	37
18-19	65	18	6	12	3	0	0	104
20-24	267	91	37	52	11	1	0	459
25-29	253	80	37	50	10	0	0	430
30-34	146	49	24	36	10	1	0	266
35-39	89	25	20	18	3	0	0	155
40-44	31	10	4	6	0	0	0	51
45+	1	0	0	0	0	0	0	1
Unknown	0	0	0	0	0	0	0	0
<b>Total</b>	<b>873</b>	<b>279</b>	<b>132</b>	<b>184</b>	<b>38</b>	<b>2</b>	<b>0</b>	<b>1,508</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, 2018**

**Table 37**

Age of Female	Marital Status						Total
	Married	Never Married	Divorced	Separated	Widowed	Unknown	
10-14	0	5	0	0	0	0	5
15-17	0	37	0	0	0	0	37
18-19	1	103	0	0	0	0	104
20-24	38	394	17	10	0	0	459
25-29	78	314	26	9	2	1	430
30-34	60	156	31	18	1	0	266
35-39	37	87	26	4	1	0	155
40-44	24	15	9	3	0	0	51
45+	1	0	0	0	0	0	1
Unknown	0	0	0	0	0	0	0
<b>Total</b>	<b>239</b>	<b>1,111</b>	<b>109</b>	<b>44</b>	<b>4</b>	<b>1</b>	<b>1,508</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, 2018

Table 38

Age of Female	Previous Live Births						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	5	0	0	0	0	0	5
15-17	36	1	0	0	0	0	37
18-19	75	22	5	2	0	0	104
20-24	193	156	90	12	8	0	459
25-29	94	125	125	60	26	0	430
30-34	19	96	91	40	20	0	266
35-39	22	49	47	21	16	0	155
40-44	6	13	16	9	7	0	51
45+	1	0	0	0	0	0	1
Unknown	0	0	0	0	0	0	0
Total	451	462	374	144	77	0	1,508

Previous Induced Terminations of Pregnancy  
By Age of Female  
West Virginia Occurrences, 2018

Table 39

Age of Female	Previous Induced Terminations						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	5	0	0	0	0	0	5
15-17	36	1	0	0	0	0	37
18-19	88	15	1	0	0	0	104
20-24	319	107	21	8	3	1	459
25-29	226	124	56	19	5	0	430
30-34	119	81	44	13	9	0	266
35-39	59	59	19	11	7	0	155
40-44	25	18	5	3	0	0	51
45+	0	0	1	0	0	0	1
Unknown	0	0	0	0	0	0	0
Total	877	405	147	54	24	1	1,508

West Virginia Bureau for Public Health  
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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 seventh year in a row, from 11,464 in 2017 to 10,950 in 2018. Of those 2018 marriages, 10,735 were male-female marriages while 215 were of the same sex. The marriage rate in 2018 was 6.1 per 1,000 population, lower than 6.3 rate in 2017. The 2018 U.S marriage rate was 6.5.

For male-female marriages in 2018, the median age was 28 for brides and 31 for grooms. The mode age (most frequently reported age) for male-female marriages was 24 for brides and 25 for grooms. There were 53 brides and six grooms less than 18 years of age. There were 211 brides and 354 grooms over the age of 65. Also in 2018, there were 167 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 and 25 for grooms. The mode age for first male-female marriages in West Virginia was 22 for brides and 25 for grooms. All 53 West Virginia brides and all six grooms less than 18 years of age were in their first marriage. There were five brides and seven grooms over the age of 65 for which it was a first marriage.

There were 215 same-sex marriages in 2018 compared to 184 in 2017. Of the 215 same-sex marriages in 2018, 50 were to two males and the remaining 165 were to two females. The median age for these same-sex marriages was 30; 31 for males, 29 for females. The mode (most frequently reported age) for same-sex marriages was 26; 26 for males, 29 for females. There were eight (8) same-sex marriages involving someone over the age of 65; three for males and five for females.

## Divorces and Annulments

The number of reported divorces and annulments decreased by 623 or 9.6%, from 6,502 in 2017 to 5,879 in 2018. The 2018 rate of 3.3 per 1,000 population was lower than the 2017 rate of 3.6.

Of all 5,879 reported divorces in West Virginia in 2018, the median duration of marriage was six years. Almost one out of every five (19.7%) West Virginia divorces, with a known duration, in 2018 involved marriages lasting two years or less while 8.7% involved marriages of 25 years or longer. There were no divorces involving either a petitioner or respondent aged less than 18. During 2018, 204 divorces involved a petitioner or respondent aged 65 or older.

More than one-half (56.1%) of the reported divorces involved no children under 18 years of age in the family, while one child was involved in 20.5% of divorces and two children were

involved in 16.3%. Six divorces involved six or more children.

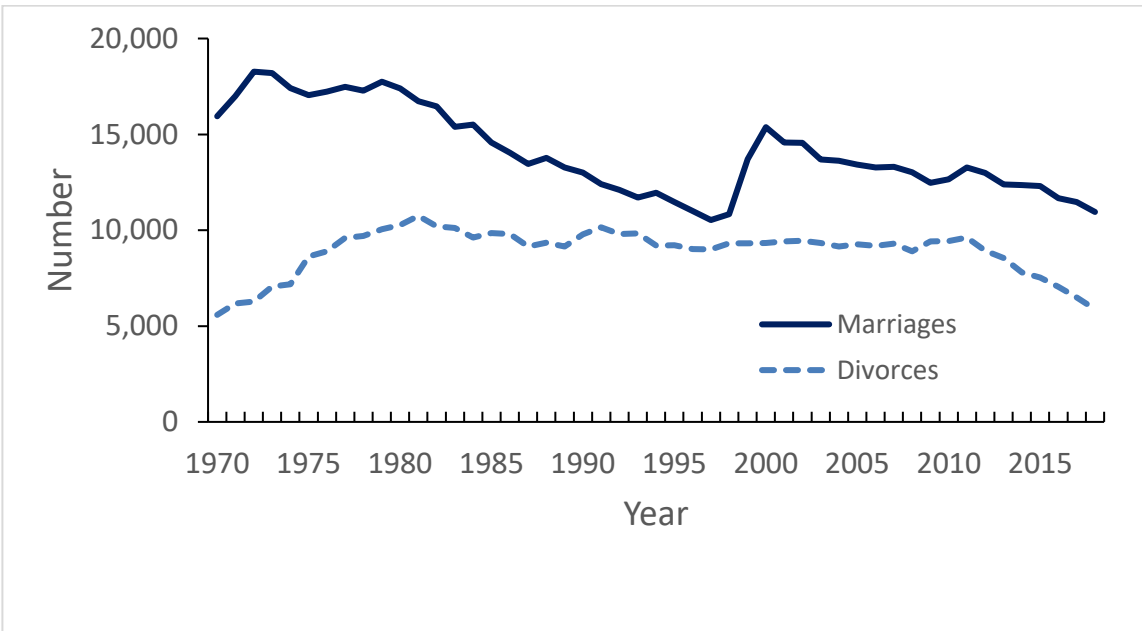
Data structure changed during 2017 which allowed records of those divorces involving same-sex couples. Of the 5,879 reported divorces and annulments, 141 involved same-sex couples. Of the 5,738 male-female divorces in West Virginia in 2018, the median duration of marriage was six years. Almost one out of every five (19.2%) West Virginia male-female divorces with a known duration in 2018 involved marriages lasting two years or less; 8.8% involved marriages of 25 years or longer. There were no divorces involving either a wife or a husband aged less than 18. During 2018, 145 divorces involved a wife aged 65 or older and 250 involved a husband in that age group.

More than one-half (55.6%) 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 16.5%. Six male-female 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, 1970-2018 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	7,038
2017	11,464	6,502
2018	10,950	5,879

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

All Marriages by Age of Bride and Groom  
West Virginia, 2018

Table 40

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	146	351	58	13	2	3	2	0	0	0	0	0	575
20-24 Years	0	80	1,445	854	183	65	22	18	3	2	0	0	0	2,672
25-29 Years	0	10	229	1,179	596	232	89	31	22	3	6	0	0	2,397
30-34 Years	0	5	38	236	507	359	150	67	27	6	9	0	0	1,404
35-39 Years	0	2	13	65	183	343	271	152	48	18	13	0	0	1,108
40-44 Years	0	0	4	15	41	122	266	219	96	41	27	0	0	831
45-49 Years	0	0	5	1	17	47	114	237	201	62	51	0	0	735
50-54 Years	0	0	1	1	3	7	31	70	166	117	94	0	0	490
55-59 Years	0	0	0	0	3	1	4	23	39	116	105	0	0	291
60 Years & Over	0	0	0	1	1	1	2	6	18	38	379	0	0	446
Unknown	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Total	0	243	2,086	2,410	1,547	1,180	952	825	620	403	684	0	0	10,950

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, 2018

Table 41

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	144	343	56	12	2	3	2	0	0	0	0	562
20-24 Years	0	79	1,420	840	181	65	20	16	3	2	0	0	2,626
25-29 Years	0	9	223	1,162	588	224	87	30	22	3	5	0	2,353
30-34 Years	0	5	34	226	495	352	147	67	27	6	9	0	1,368
35-39 Years	0	2	13	61	181	339	269	147	48	18	13	0	1,091
40-44 Years	0	0	4	14	40	114	262	218	95	41	27	0	815
45-49 Years	0	0	5	1	17	43	112	236	199	62	51	0	726
50-54 Years	0	0	1	1	2	6	30	67	164	112	91	0	474
55-59 Years	0	0	0	0	3	1	4	21	38	114	102	0	283
60 Years & Over	0	0	0	1	1	0	2	6	17	37	372	0	436
Unknown	0	0	0	0	0	1	0	0	0	0	0	0	1
Total	0	239	2,043	2,362	1,520	1,147	936	810	613	395	670	0	10,735

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, 2018  
Table 42

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	2	8	2	1	0	0	0	0	0	0	0	0	13
20-24 Years	0	1	25	14	2	0	2	2	0	0	0	0	0	46
25-29 Years	0	1	6	17	8	8	2	1	0	0	1	0	0	44
30-34 Years	0	0	4	10	12	7	3	0	0	0	0	0	0	36
35-39 Years	0	0	0	4	2	4	2	5	0	0	0	0	0	17
40-44 Years	0	0	0	1	1	8	4	1	1	0	0	0	0	16
45-49 Years	0	0	0	0	0	4	2	1	2	0	0	0	0	9
50-54 Years	0	0	0	0	1	1	1	3	2	5	3	0	0	16
55-59 Years	0	0	0	0	0	0	0	2	1	2	3	0	0	8
60 Years & Over	0	0	0	0	0	1	0	0	1	1	7	0	0	10
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	4	43	48	27	33	16	15	7	8	14	0	0	215

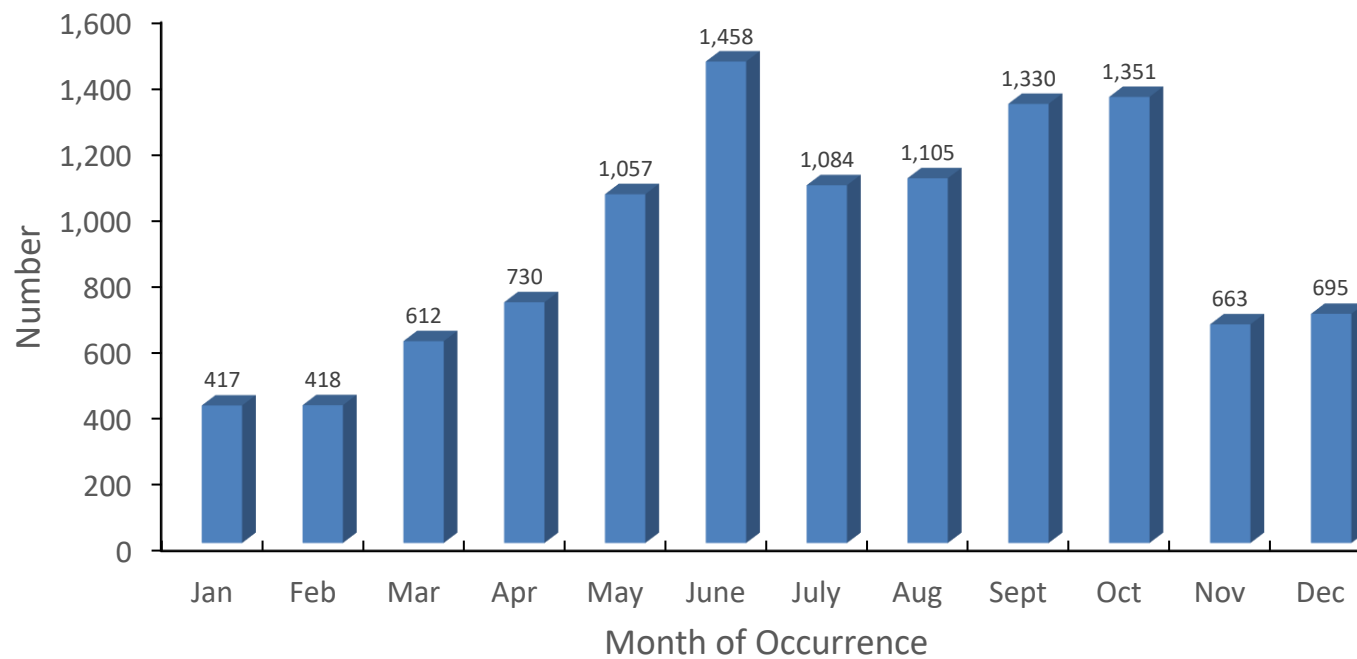
Note: Age at the time the marriage license was issued. Marriage license is valid for 60 days from the date issued.

West Virginia Bureau for Public Health

Health Statistics Center, Vital Statistics System, 2022



All Marriages by Month of Occurrence  
West Virginia, 2018  
Exhibit 17



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

All Marriages by Previous Marital Status

West Virginia, 2018

Table 43

Bride/Partner 1	Groom/Partner 2					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,314	45	1,117	9	3	6,488
Widowed	44	133	209	2	0	388
Divorced	1,096	212	2,735	7	2	4,052
Annulled	2	0	6	3	0	11
Not Stated	8	1	1	0	1	11
Total	6,464	391	4,068	21	6	10,950

All Marriages by Number of Previous Marriages

West Virginia, 2018

Table 44

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	5,314	929	199	34	11	1	6,488
One Previous Marriage	892	1,392	491	110	26	0	2,911
Two Previous Marriages	201	483	308	87	31	0	1,110
Three Previous Marriages	40	142	75	41	15	2	315
Four or More Previous Marriages	15	42	37	19	7	0	120
Not Stated	2	3	0	0	0	1	6
Total	6,464	2,991	1,110	291	90	4	10,950

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

Male-Female Marriages by Previous Marital Status  
West Virginia, 2018

Table 45

Bride	Groom					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,180	43	1,090	8	3	6,324
Widowed	42	133	209	2	0	386
Divorced	1,064	212	2,719	7	2	4,004
Annulled	1	0	6	3	0	10
Not Stated	8	1	1	0	1	11
Total	6,295	389	4,025	20	6	10,735

Male-Female Marriages by Number of Previous Marriages  
West Virginia, 2018

Table 46

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	5,180	906	193	33	11	1	6,324
One Previous Marriage	869	1,379	491	109	26	0	2,874
Two Previous Marriages	189	482	308	87	31	0	1,097
Three Previous Marriages	40	141	75	41	15	2	314
Four or More Previous Marriages	15	42	37	19	7	0	120
Not Stated	2	3	0	0	0	1	6
Total	6,295	2,953	1,104	289	90	4	10,735

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

Same-Sex Marriages by Previous Marital Status  
West Virginia, 2018  
Table 47

Partner 1	Partner 2					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	134	2	27	1	0	164
Widowed	2	0	0	0	0	2
Divorced	32	0	16	0	0	48
Annulled	1	0	0	0	0	1
Not Stated	0	0	0	0	0	0
Total	169	2	43	1	0	215

Same-Sex Marriages by Number of Previous Marriages  
West Virginia, 2018  
Table 48

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	134	23	6	1	0	0	164
One Previous Marriage	23	13	0	1	0	0	37
Two Previous Marriages	12	1	0	0	0	0	13
Three Previous Marriages	0	1	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	169	38	6	2	0	0	215

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, 2018  
Table 49

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	4	14	3	0	0	0	0	0	0	0	0	21
20-24 Years	0	6	177	133	29	15	7	2	3	2	0	3	377
25-29 Years	0	3	103	399	222	75	24	17	6	2	1	4	856
30-34 Years	0	1	20	116	361	234	101	34	12	5	8	4	896
35-39 Years	0	1	8	47	158	400	207	76	33	6	5	6	947
40-44 Years	0	1	6	17	78	142	321	172	62	26	13	10	848
45-49 Years	0	0	1	5	15	61	145	244	135	59	21	5	691
50-54 Years	0	0	3	4	7	21	42	91	159	88	50	6	471
55-59 Years	0	0	0	3	2	8	16	34	76	93	72	4	308
60 Years & Over	0	0	1	3	1	11	8	17	29	76	242	9	397
Unknown	0	0	0	0	0	3	4	3	1	2	1	53	67
Total	0	16	333	730	873	970	875	690	516	359	413	104	5,879

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, 2018  
Table 50

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	4	17	5	1	1	1	0	0	0	0	0	29
20-24 Years	0	2	166	188	41	17	7	3	3	2	1	3	433
25-29 Years	0	1	42	387	257	97	31	16	6	4	2	2	845
30-34 Years	0	0	7	70	353	285	137	42	12	5	8	1	920
35-39 Years	0	0	3	24	99	391	240	105	43	10	13	4	932
40-44 Years	0	0	4	9	40	102	315	226	73	30	14	6	819
45-49 Years	0	0	0	5	7	29	86	243	155	71	29	4	629
50-54 Years	0	0	3	3	4	9	25	68	156	120	61	3	452
55-59 Years	0	0	0	1	0	4	10	21	44	91	101	2	274
60 Years & Over	0	0	0	2	1	2	6	6	17	42	239	2	317
Unknown	0	0	0	2	3	5	7	4	4	4	8	51	88
Total	0	7	242	696	806	942	865	734	513	379	476	78	5,738

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, 2018

Table 51

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	244	22	11	4	3	1	0	0	285
1 to 4 Years	1,110	374	148	42	5	1	1	0	1,681
5 to 9 Years	722	334	327	99	22	7	1	0	1,512
10 to 14 Years	355	184	242	74	24	8	1	0	888
15 to 19 Years	227	118	153	74	16	5	2	0	595
20 to 24 Years	206	108	56	21	3	1	0	0	395
25 to 29 Years	173	40	11	4	0	0	1	0	229
30 to 34 Years	122	11	4	0	0	0	0	0	137
35 to 39 Years	62	6	1	0	0	0	0	0	69
40 to 44 Years	55	1	1	0	0	0	0	0	57
45 to 49 Years	10	0	0	0	0	0	0	0	10
50 to 54 Years	3	0	0	0	0	0	0	0	3
55 to 59 Years	2	0	0	0	0	0	0	0	2
60 Years & Over	2	0	0	0	0	0	0	0	2
Unknown	8	4	2	0	0	0	0	0	14
Total	3,301	1,202	956	318	73	23	6	0	5,879

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, 2018  
Table 52

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	235	22	11	4	3	1	0	0	276
1 to 4 Years	1,049	372	142	42	5	1	1	0	1,612
5 to 9 Years	702	329	325	98	22	7	1	0	1,484
10 to 14 Years	344	182	240	73	24	8	1	0	872
15 to 19 Years	224	117	152	72	16	5	2	0	588
20 to 24 Years	204	107	56	21	3	1	0	0	392
25 to 29 Years	171	38	11	4	0	0	1	0	225
30 to 34 Years	120	11	4	0	0	0	0	0	135
35 to 39 Years	61	6	1	0	0	0	0	0	68
40 to 44 Years	54	1	1	0	0	0	0	0	56
45 to 49 Years	10	0	0	0	0	0	0	0	10
50 to 54 Years	3	0	0	0	0	0	0	0	3
55 to 59 Years	2	0	0	0	0	0	0	0	2
60 Years & Over	2	0	0	0	0	0	0	0	2
Unknown	7	4	2	0	0	0	0	0	13
Total	3,188	1,189	945	314	73	23	6	0	5,738

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 one clinic 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 increased to the 30 most populated cities beginning with the 2010 edition. Beginning with this edition, it has further increased to the 50 most populated cities. Please note there will more than likely be different cities ranked in the top 50 from year to year.

Number of Births by County of Residence and Occurrence  
 Birth Rates by County of Residence  
 West Virginia, 2018  
 Table 53

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate per 1,000 Population*			Number	Rate per 1,000 Population*	
Barbour	157	9.5	2	Monongalia	1,012	9.5	2,605
Berkeley	1,484	12.7	1,103	Monroe	126	9.5	5
Boone	199	9.1	3	Morgan	127	7.1	3
Braxton	119	8.4	1	Nicholas	231	9.3	6
Brooke	188	8.5	452	Ohio	407	9.7	1,560
Cabell	1,009	10.8	3,030	Pendleton	56	8.0	1
Calhoun	53	7.3	0	Pleasants	75	10.0	1
Clay	94	10.9	0	Pocahontas	75	8.9	1
Doddridge	64	7.6	1	Preston	333	9.8	4
Fayette	419	9.7	5	Putnam	515	9.1	16
Gilmer	65	8.1	1	Raleigh	799	10.8	990
Grant	115	9.9	259	Randolph	261	9.1	259
Greenbrier	308	8.9	442	Ritchie	95	9.8	3
Hampshire	230	9.9	4	Roane	133	9.5	1
Hancock	248	8.5	1	Summers	101	7.9	2
Hardy	169	12.3	1	Taylor	146	8.7	1
Harrison	713	10.6	1,059	Tucker	56	8.1	2
Jackson	311	10.8	3	Tyler	85	9.7	0
Jefferson	533	9.4	191	Upshur	249	10.2	314
Kanawha	1,861	10.3	3,748	Wayne	375	9.4	1
Lewis	176	11.0	165	Webster	95	11.5	0
Lincoln	225	10.9	2	Wetzel	173	11.3	1
Logan	336	10.3	195	Wirt	55	9.4	0
McDowell	180	9.9	2	Wood	909	10.8	1,295
Marion	574	10.2	95	Wyoming	185	8.9	2
Marshall	280	9.1	2				
Mason	269	10.1	119				
Mercer	661	11.2	1,078	Total	18,243	10.1	19,041
Mineral	251	9.3	3				
Mingo	278	11.7	1				

\*Rates are calculated per 1,000 population. 2018 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, 2014-2018  
Table 54

County	2014	2015	2016	2017	2018	County	2014	2015	2016	2017	2018
Barbour	172	163	171	165	157	Monongalia	1,201	1,094	1,122	1,106	1,012
Berkeley	1,361	1,380	1,395	1,361	1,484	Monroe	126	130	131	118	126
Boone	239	233	241	245	199	Morgan	154	126	145	153	127
Braxton	156	176	115	136	119	Nicholas	260	274	268	262	231
Brooke	198	204	188	207	188	Ohio	448	470	419	408	407
Cabell	1,120	1,087	1,039	1,035	1,009	Pendleton	63	62	75	63	56
Calhoun	70	61	82	53	53	Pleasants	62	86	60	71	75
Clay	94	113	81	92	94	Pocahontas	74	83	91	75	75
Doddridge	66	86	68	67	64	Preston	355	322	337	321	333
Fayette	509	496	453	428	419	Putnam	640	601	555	521	515
Gilmer	65	59	68	53	65	Raleigh	884	824	832	758	799
Grant	116	134	113	133	115	Randolph	334	285	285	317	261
Greenbrier	333	376	343	367	308	Ritchie	103	101	100	85	95
Hampshire	236	245	190	215	230	Roane	160	132	130	126	133
Hancock	290	268	218	254	248	Summers	98	121	107	102	101
Hardy	148	149	170	158	169	Taylor	160	192	172	140	146
Harrison	796	800	737	712	713	Tucker	68	63	74	64	56
Jackson	321	338	308	289	311	Tyler	94	84	95	77	85
Jefferson	595	563	537	610	533	Upshur	276	248	293	233	249
Kanawha	2,165	2,058	1,959	1,921	1,861	Wayne	444	421	428	377	375
Lewis	200	208	187	153	176	Webster	94	78	88	72	95
Lincoln	269	239	242	222	225	Wetzel	178	179	169	151	173
Logan	379	353	358	367	336	Wirt	58	58	55	53	55
McDowell	224	212	221	187	180	Wood	1,018	986	944	919	909
Marion	630	622	659	620	574	Wyoming	234	212	197	193	185
Marshall	338	317	307	297	280						
Mason	280	282	241	278	269						
Mercer	706	734	662	706	661	Total	20,303	19,778	19,070	18,679	18,243
Mineral	294	272	276	262	251						
Mingo	347	318	269	321	278						

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, 2018  
Table 55

County	Number of Births	Low Birth-weight*	Percent LBW	County	Number of Births	Low Birth-weight*	Percent LBW
Barbour	157	13	8.3%	Monongalia	1,012	73	7.2%
Berkeley	1,484	119	8.0%	Monroe	126	4	3.2%
Boone	199	15	7.5%	Morgan	127	11	8.7%
Braxton	119	15	12.6%	Nicholas	231	24	10.4%
Brooke	188	19	10.1%	Ohio	407	35	8.6%
Cabell	1,009	104	10.3%	Pendleton	56	5	8.9%
Calhoun	53	7	13.2%	Pleasants	75	2	2.7%
Clay	94	4	4.3%	Pocahontas	75	4	5.3%
Doddridge	64	6	9.4%	Preston	333	35	10.5%
Fayette	419	49	11.7%	Putnam	515	34	6.6%
Gilmer	65	4	6.2%	Raleigh	799	83	10.4%
Grant	115	10	8.7%	Randolph	261	27	10.3%
Greenbrier	308	27	8.8%	Ritchie	95	9	9.5%
Hampshire	230	19	8.3%	Roane	133	13	9.8%
Hancock	248	21	8.5%	Summers	101	12	11.9%
Hardy	169	22	13.0%	Taylor	146	24	16.4%
Harrison	713	74	10.4%	Tucker	56	6	10.7%
Jackson	311	26	8.4%	Tyler	85	8	9.4%
Jefferson	533	35	6.6%	Upshur	249	20	8.0%
Kanawha	1,861	189	10.2%	Wayne	375	44	11.7%
Lewis	176	11	6.3%	Webster	95	10	10.5%
Lincoln	225	22	9.8%	Wetzel	173	12	6.9%
Logan	336	30	8.9%	Wirt	55	2	3.6%
McDowell	180	20	11.1%	Wood	909	96	10.6%
Marion	574	64	11.1%	Wyoming	185	30	16.2%
Marshall	280	22	7.9%				
Mason	269	23	8.6%				
Mercer	661	73	11.0%	Total	18,243	1,716	9.4%
Mineral	251	16	6.4%				
Mingo	278	34	12.2%				

\* < 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, 2018  
Table 56

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	1	11	52	53	20	15	5	0	0	157
Berkeley	0	17	65	393	491	327	158	30	3	0	1,484
Boone	0	10	9	73	66	28	7	5	1	0	199
Braxton	0	1	4	43	40	17	10	2	2	0	119
Brooke	0	2	15	50	67	34	19	1	0	0	188
Cabell	1	11	47	270	317	241	93	24	5	0	1,009
Calhoun	0	1	4	20	16	6	4	2	0	0	53
Clay	0	1	11	22	39	12	7	0	2	0	94
Doddridge	0	2	7	14	18	13	9	1	0	0	64
Fayette	0	10	35	133	133	66	30	10	2	0	419
Gilmer	0	0	5	14	22	14	10	0	0	0	65
Grant	0	0	10	37	44	19	3	1	1	0	115
Greenbrier	0	4	18	82	91	71	30	9	3	0	308
Hampshire	0	2	10	73	86	38	19	1	1	0	230
Hancock	0	2	10	65	73	59	29	7	3	0	248
Hardy	0	3	10	33	50	47	14	7	5	0	169
Harrison	0	10	34	206	233	158	59	13	0	0	713
Jackson	0	2	11	94	96	70	32	2	4	0	311
Jefferson	0	6	22	93	162	159	76	14	1	0	533
Kanawha	2	18	106	528	537	432	191	32	15	0	1,861
Lewis	0	2	10	57	51	40	11	3	2	0	176
Lincoln	0	3	15	78	78	31	15	3	2	0	225
Logan	0	9	31	122	99	50	19	1	5	0	336
McDowell	0	2	14	69	47	34	11	2	1	0	180
Marion	0	8	24	148	207	123	50	14	0	0	574
Marshall	0	5	13	66	102	56	32	5	1	0	280
Mason	0	2	23	87	86	42	23	6	0	0	269
Mercer	0	14	63	228	188	114	43	9	2	0	661
Mineral	1	3	14	80	91	48	14	0	0	0	251
Mingo	0	9	20	92	86	50	17	3	1	0	278
Monongalia	1	7	20	190	288	332	144	27	3	0	1,012
Monroe	0	2	8	41	41	24	8	1	1	0	126
Morgan	0	1	7	43	39	25	9	3	0	0	127
Nicholas	0	2	16	64	70	53	20	4	2	0	231
Ohio	1	10	16	92	133	103	43	7	2	0	407
Pendleton	0	1	7	13	12	20	3	0	0	0	56
Pleasants	0	0	7	17	28	16	7	0	0	0	75
Pocahontas	0	0	7	19	26	15	7	0	1	0	75
Preston	0	5	9	97	117	68	34	3	0	0	333
Putnam	0	6	15	97	179	144	70	4	0	0	515
Raleigh	0	11	63	239	241	151	77	12	5	0	799
Randolph	0	8	18	83	80	51	19	2	0	0	261
Ritchie	0	1	7	27	30	18	9	3	0	0	95
Roane	0	5	15	32	42	27	9	3	0	0	133
Summers	1	2	4	37	40	10	7	0	0	0	101
Taylor	0	4	8	37	46	33	17	0	1	0	146
Tucker	0	1	1	20	22	6	6	0	0	0	56
Tyler	0	8	3	25	29	13	7	0	0	0	85
Upshur	0	2	19	74	72	56	23	3	0	0	249
Wayne	1	3	30	126	112	69	28	4	2	0	375
Webster	0	2	8	34	26	12	9	1	3	0	95
Wetzel	1	3	9	57	58	34	9	2	0	0	173
Wirt	0	0	7	19	15	6	6	2	0	0	55
Wood	1	13	61	254	304	187	69	15	5	0	909
Wyoming	0	1	17	69	51	30	10	5	2	0	185
Total	10	258	1,053	5,128	5,770	3,922	1,700	313	89	0	18,243

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, 2018

Table 57

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	2	0	2	1	0	1
Berkeley	1,103	481	622	458	21	143
Boone	3	1	2	1	0	1
Braxton	1	1	0	0	0	0
Brooke	452	221	231	173	10	48
Cabell	3,030	1,691	1,339	982	44	313
Calhoun	0	0	0	0	0	0
Clay	0	0	0	0	0	0
Doddridge	1	1	0	0	0	0
Fayette	5	3	2	1	0	1
Gilmer	1	1	0	0	0	0
Grant	259	122	137	112	2	23
Greenbrier	442	239	203	148	7	48
Hampshire	4	3	1	0	0	1
Hancock	1	1	0	0	0	0
Hardy	1	1	0	0	0	0
Harrison	1,059	555	504	399	8	97
Jackson	3	1	2	1	0	1
Jefferson	191	95	96	78	0	18
Kanawha	3,748	2,014	1,734	1,246	32	456
Lewis	165	70	95	62	5	28
Lincoln	2	2	0	0	0	0
Logan	195	90	105	50	4	51
McDowell	2	0	2	1	0	1
Marion	95	34	61	38	5	18
Marshall	2	1	1	1	0	0
Mason	119	57	62	46	4	12
Mercer	1,078	544	534	334	11	189
Mineral	3	2	1	1	0	0
Mingo	1	0	1	0	0	1
Monongalia	2,605	1,728	877	636	15	226
Monroe	5	5	0	0	0	0
Morgan	3	2	1	0	0	1
Nicholas	6	3	3	0	0	3
Ohio	1,560	844	716	558	12	146
Pendleton	1	0	1	1	0	0
Pleasants	1	1	0	0	0	0
Pocahontas	1	1	0	0	0	0
Preston	4	1	3	3	0	0
Putnam	16	11	5	4	0	1
Raleigh	990	442	548	331	12	205
Randolph	259	135	124	90	3	31
Ritchie	3	2	1	1	0	0
Roane	1	1	0	0	0	0
Summers	2	1	1	0	0	1
Taylor	1	1	0	0	0	0
Tucker	2	1	1	0	0	1
Tyler	0	0	0	0	0	0
Upshur	314	175	139	99	4	36
Wayne	1	0	1	0	1	0
Webster	0	0	0	0	0	0
Wetzel	1	1	0	0	0	0
Wirt	0	0	0	0	0	0
Wood	1,295	683	612	369	15	228
Wyoming	2	0	2	0	0	2
<b>Total</b>	<b>19,041</b>	<b>10,269</b>	<b>8,772</b>	<b>6,225</b>	<b>215</b>	<b>2,332</b>

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\*Includes 26 births with unknown marital status

Births by Month by County  
West Virginia Residents, 2018  
Table 58

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	13	15	18	8	15	6	9	20	15	13	10	15	157
Berkeley	122	109	117	130	124	134	115	150	148	118	115	102	1,484
Boone	21	17	18	10	21	18	23	10	8	21	19	13	199
Braxton	6	11	5	6	16	14	12	12	8	10	10	9	119
Brooke	11	16	11	15	10	22	14	17	22	20	15	15	188
Cabell	75	81	92	71	89	86	83	116	59	92	78	87	1,009
Calhoun	6	4	1	7	3	4	3	2	7	4	3	9	53
Clay	10	3	7	5	9	11	9	11	7	9	7	6	94
Doddridge	3	6	8	6	4	4	4	4	2	8	8	7	64
Fayette	33	33	34	37	40	34	33	35	30	31	28	51	419
Gilmer	4	1	8	10	5	4	5	5	5	8	3	7	65
Grant	12	7	14	10	13	6	13	8	9	6	8	9	115
Greenbrier	28	19	22	25	23	32	24	24	22	29	27	33	308
Hampshire	15	22	19	18	18	16	18	24	26	20	16	18	230
Hancock	25	21	18	15	21	26	20	22	21	19	12	28	248
Hardy	13	10	19	20	9	12	9	17	14	19	14	13	169
Harrison	60	56	58	58	48	61	73	73	51	52	63	60	713
Jackson	36	22	27	17	26	22	26	34	24	34	22	21	311
Jefferson	55	42	49	46	58	39	35	38	44	47	38	42	533
Kanawha	154	138	148	117	179	146	180	192	151	178	128	150	1,861
Lewis	12	15	12	16	15	17	18	19	7	15	17	13	176
Lincoln	28	11	16	15	22	14	18	29	17	14	24	17	225
Logan	34	30	37	24	26	19	26	30	18	31	33	28	336
McDowell	17	17	22	16	13	14	12	14	10	16	12	17	180
Marion	43	49	41	59	44	51	56	50	46	44	45	46	574
Marshall	19	23	23	23	21	19	34	25	23	35	15	20	280
Mason	16	26	18	28	26	20	33	16	25	19	23	19	269
Mercer	61	54	46	46	57	56	61	68	51	55	53	53	661
Mineral	20	13	18	17	22	31	25	23	20	23	24	15	251
Mingo	19	21	28	22	21	26	18	23	35	20	20	25	278
Monongalia	92	83	89	66	85	88	93	84	82	87	65	98	1,012
Monroe	9	8	11	10	13	10	17	13	16	4	7	8	126
Morgan	9	7	11	10	13	12	6	12	14	17	9	7	127
Nicholas	18	14	24	23	29	15	13	14	19	28	20	14	231
Ohio	29	33	48	40	38	32	34	33	32	28	33	27	407
Pendleton	8	1	2	9	3	3	4	6	6	4	2	8	56
Pleasants	8	7	11	4	9	5	7	2	7	7	6	2	75
Pocahontas	9	6	6	6	3	9	6	4	6	3	6	11	75
Preston	27	28	31	26	24	31	31	25	27	29	24	30	333
Putnam	52	44	49	40	54	40	41	41	35	39	44	36	515
Raleigh	80	63	56	58	78	70	64	62	75	63	65	65	799
Randolph	30	21	16	20	22	20	34	19	21	26	18	14	261
Ritchie	3	11	6	5	7	11	12	8	5	8	7	12	95
Roane	12	10	11	3	18	14	8	20	5	10	14	8	133
Summers	8	7	13	10	4	7	7	13	9	7	8	8	101
Taylor	13	9	5	4	13	14	17	15	11	16	17	12	146
Tucker	2	4	3	6	7	9	6	4	2	7	3	3	56
Tyler	16	7	3	4	7	4	12	8	3	9	7	5	85
Upshur	15	20	18	22	23	20	21	25	22	20	22	21	249
Wayne	30	31	36	22	36	30	34	36	30	26	34	30	375
Webster	8	10	10	13	6	3	6	10	7	6	10	6	95
Wetzel	15	12	17	15	19	13	14	13	8	14	19	14	173
Wirt	0	8	3	8	6	6	5	4	5	5	2	3	55
Wood	79	71	80	60	78	76	85	88	61	96	54	81	909
Wyoming	19	21	23	8	16	18	7	13	15	16	14	15	185
Total	1,562	1,428	1,536	1,389	1,609	1,524	1,593	1,683	1,448	1,585	1,400	1,486	18,243

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Place of Delivery, Gender of Child by Race and Marital Status of Mother by County  
West Virginia Resident Births, 2018  
Table 59

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	157	0	83	72	0	1	1	0	68	157
Berkeley	1,461	23	669	632	39	50	49	44	657	1,484
Boone	199	0	107	86	0	1	2	3	93	199
Braxton	119	0	61	55	0	0	0	2	52	119
Brooke	188	0	89	89	2	2	1	5	103	188
Cabell	1,008	1	458	460	30	23	21	11	438	1,009
Calhoun	53	0	28	25	0	0	0	0	26	53
Clay	94	0	46	48	0	0	0	0	44	94
Doddridge	64	0	38	24	1	0	1	0	26	64
Fayette	416	3	185	207	9	6	6	5	217	419
Gilmer	64	1	33	30	0	0	1	1	26	65
Grant	115	0	57	55	0	0	1	0	53	115
Greenbrier	305	3	151	140	4	4	3	6	124	308
Hampshire	227	3	107	118	1	1	2	0	102	230
Hancock	247	1	120	109	6	4	2	6	121	248
Hardy	168	1	78	73	5	6	3	3	77	169
Harrison	712	1	363	321	7	5	9	8	322	713
Jackson	311	0	172	136	0	1	1	1	125	311
Jefferson	522	11	234	237	7	15	17	23	207	533
Kanawha	1,855	6	836	772	75	69	50	54	977	1,861
Lewis	175	1	91	80	1	0	1	1	90	176
Lincoln	224	1	112	110	0	0	0	1	93	225
Logan	336	0	154	173	4	2	2	0	160	336
McDowell	179	1	83	79	5	10	2	1	96	180
Marion	572	2	271	249	14	6	17	17	254	574
Marshall	279	1	140	137	0	0	2	1	140	280
Mason	264	5	150	115	1	0	2	1	119	269
Mercer	660	1	301	298	18	26	7	9	339	661
Mineral	249	2	112	126	2	3	3	5	107	251
Mingo	278	0	149	123	2	2	0	1	130	278
Monongalia	1,010	2	444	406	34	26	50	51	310	1,012
Monroe	121	5	65	57	0	1	2	1	50	126
Morgan	124	3	63	59	0	3	0	2	64	127
Nicholas	231	0	122	107	0	1	1	0	104	231
Ohio	406	1	193	176	6	9	11	12	192	407
Pendleton	55	1	30	21	1	0	3	1	18	56
Pleasants	74	1	39	35	0	0	1	0	31	75
Pocahontas	75	0	33	39	2	0	0	1	27	75
Preston	332	1	170	161	1	0	1	0	151	333
Putnam	512	3	266	233	3	3	4	6	182	515
Raleigh	798	1	361	336	43	26	18	12	406	799
Randolph	258	3	140	109	3	1	3	5	123	261
Ritchie	92	3	51	43	0	0	0	1	46	95
Roane	132	1	65	65	1	1	0	1	53	133
Summers	100	1	49	51	0	0	1	0	54	101
Taylor	145	1	78	65	0	0	0	2	62	146
Tucker	54	2	28	27	0	0	1	0	24	56
Tyler	85	0	41	41	0	0	1	2	47	85
Upshur	249	0	127	113	1	2	4	1	120	249
Wayne	374	1	202	167	2	1	1	1	173	375
Webster	95	0	39	53	0	0	1	0	41	95
Wetzel	172	1	89	80	0	0	3	1	83	173
Wirt	55	0	30	24	0	0	1	0	26	55
Wood	904	5	459	418	5	1	17	7	421	909
Wyoming	185	0	78	103	0	0	3	1	82	185
<b>Total</b>	<b>18,139</b>	<b>104</b>	<b>8,740</b>	<b>8,168</b>	<b>335</b>	<b>312</b>	<b>333</b>	<b>317</b>	<b>8,276</b>	<b>18,243</b>

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\*Includes hospitals, en-route to hospital and birthing centers.  
NOTE: Does NOT include 26 births with mother's unknown race.

Trimester Prenatal Care Began by County  
West Virginia Resident Births, 2018  
Table 60

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown	Total
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	121	77.1%	27	17.2%	5	3.2%	4	2.5%	0	157
Berkeley	1,167	79.8%	223	15.3%	61	4.2%	11	0.8%	22	1,484
Boone	141	71.2%	37	18.7%	7	3.5%	13	6.6%	1	199
Braxton	92	78.0%	16	13.6%	4	3.4%	6	5.1%	1	119
Brooke	140	75.7%	35	18.9%	7	3.8%	3	1.6%	3	188
Cabell	901	90.2%	76	7.6%	14	1.4%	8	0.8%	10	1,009
Calhoun	38	73.1%	9	17.3%	3	5.8%	2	3.8%	1	53
Clay	68	72.3%	16	17.0%	9	9.6%	1	1.1%	0	94
Doddridge	52	81.3%	6	9.4%	5	7.8%	1	1.6%	0	64
Fayette	303	72.5%	73	17.5%	27	6.5%	15	3.6%	1	419
Gilmer	47	72.3%	12	18.5%	3	4.6%	3	4.6%	0	65
Grant	100	87.0%	12	10.4%	3	2.6%	0	0.0%	0	115
Greenbrier	254	82.7%	32	10.4%	14	4.6%	7	2.3%	1	308
Hampshire	163	75.8%	38	17.7%	11	5.1%	3	1.4%	15	230
Hancock	168	69.1%	56	23.0%	17	7.0%	2	0.8%	5	248
Hardy	130	78.8%	27	16.4%	7	4.2%	1	0.6%	4	169
Harrison	559	78.5%	107	15.0%	40	5.6%	6	0.8%	1	713
Jackson	257	82.6%	32	10.3%	14	4.5%	8	2.6%	0	311
Jefferson	414	79.6%	79	15.2%	19	3.7%	8	1.5%	13	533
Kanawha	1,432	77.4%	267	14.4%	93	5.0%	59	3.2%	10	1,861
Lewis	133	75.6%	30	17.0%	9	5.1%	4	2.3%	0	176
Lincoln	199	88.8%	16	7.1%	4	1.8%	5	2.2%	1	225
Logan	234	70.3%	57	17.1%	33	9.9%	9	2.7%	3	336
McDowell	117	66.1%	37	20.9%	17	9.6%	6	3.4%	3	180
Marion	450	78.9%	83	14.6%	26	4.6%	11	1.9%	4	574
Marshall	221	79.8%	37	13.4%	13	4.7%	6	2.2%	3	280
Mason	216	80.9%	40	15.0%	9	3.4%	2	0.7%	2	269
Mercer	458	70.5%	132	20.3%	48	7.4%	12	1.8%	11	661
Mineral	204	81.9%	39	15.7%	5	2.0%	1	0.4%	2	251
Mingo	192	72.5%	48	18.1%	19	7.2%	6	2.3%	13	278
Monongalia	850	84.4%	110	10.9%	38	3.8%	9	0.9%	5	1,012
Monroe	91	74.6%	17	13.9%	13	10.7%	1	0.8%	4	126
Morgan	93	76.2%	18	14.8%	8	6.6%	3	2.5%	5	127
Nicholas	168	74.3%	37	16.4%	14	6.2%	7	3.1%	5	231
Ohio	332	82.2%	47	11.6%	18	4.5%	7	1.7%	3	407
Pendleton	41	74.5%	10	18.2%	4	7.3%	0	0.0%	1	56
Pleasants	62	83.8%	9	12.2%	2	2.7%	1	1.4%	1	75
Pocahontas	58	77.3%	6	8.0%	9	12.0%	2	2.7%	0	75
Preston	260	79.3%	50	15.2%	13	4.0%	5	1.5%	5	333
Putnam	438	85.5%	53	10.4%	17	3.3%	4	0.8%	3	515
Raleigh	620	78.0%	115	14.5%	42	5.3%	18	2.3%	4	799
Randolph	202	78.6%	36	14.0%	16	6.2%	3	1.2%	4	261
Ritchie	78	82.1%	12	12.6%	3	3.2%	2	2.1%	0	95
Roane	94	70.7%	27	20.3%	8	6.0%	4	3.0%	0	133
Summers	72	72.7%	22	22.2%	2	2.0%	3	3.0%	2	101
Taylor	119	81.5%	22	15.1%	5	3.4%	0	0.0%	0	146
Tucker	45	80.4%	8	14.3%	1	1.8%	2	3.6%	0	56
Tyler	56	65.9%	20	23.5%	7	8.2%	2	2.4%	0	85
Upshur	194	78.2%	37	14.9%	11	4.4%	6	2.4%	1	249
Wayne	322	86.3%	45	12.1%	3	0.8%	3	0.8%	2	375
Webster	68	72.3%	15	16.0%	9	9.6%	2	2.1%	1	95
Wetzel	127	74.7%	32	18.8%	6	3.5%	5	2.9%	3	173
Wirt	44	80.0%	8	14.5%	2	3.6%	1	1.8%	0	55
Wood	754	83.3%	111	12.3%	26	2.9%	14	1.5%	4	909
Wyoming	132	72.1%	27	14.8%	19	10.4%	5	2.7%	2	185
<b>Total</b>	<b>14,291</b>	<b>79.1%</b>	<b>2,593</b>	<b>14.4%</b>	<b>842</b>	<b>4.7%</b>	<b>332</b>	<b>1.8%</b>	<b>185</b>	<b>18,243</b>

West Virginia Bureau for Public Health  
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\*Percentages calculated excluding unknown.

Number of Prenatal Visits by County  
West Virginia Resident Births, 2018  
Table 61

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	4	2.5%	6	3.8%	41	26.1%	94	59.9%	12	7.6%	0	157
Berkeley	11	0.8%	108	7.4%	398	27.2%	859	58.7%	88	6.0%	20	1,484
Boone	13	6.5%	14	7.0%	60	30.2%	89	44.7%	23	11.6%	0	199
Braxton	6	5.1%	7	5.9%	31	26.3%	60	50.8%	14	11.9%	1	119
Brooke	3	1.6%	11	6.0%	58	31.5%	108	58.7%	4	2.2%	4	188
Cabell	8	0.8%	29	2.9%	180	17.9%	610	60.6%	179	17.8%	3	1,009
Calhoun	2	3.8%	4	7.7%	18	34.6%	20	38.5%	8	15.4%	1	53
Clay	1	1.1%	15	16.0%	24	25.5%	50	53.2%	4	4.3%	0	94
Doddridge	2	3.1%	1	1.6%	20	31.3%	33	51.6%	8	12.5%	0	64
Fayette	15	3.6%	41	9.8%	125	30.0%	161	38.6%	75	18.0%	2	419
Gilmer	3	4.6%	4	6.2%	16	24.6%	38	58.5%	4	6.2%	0	65
Grant	0	0.0%	6	5.2%	11	9.6%	61	53.0%	37	32.2%	0	115
Greenbrier	8	2.9%	11	4.0%	56	20.2%	153	55.2%	49	17.7%	31	308
Hampshire	3	1.4%	15	6.8%	57	25.9%	138	62.7%	7	3.2%	10	230
Hancock	2	0.8%	28	11.6%	88	36.4%	109	45.0%	15	6.2%	6	248
Hardy	1	0.6%	9	5.4%	31	18.5%	83	49.4%	44	26.2%	1	169
Harrison	7	1.0%	48	6.7%	205	28.8%	383	53.7%	70	9.8%	0	713
Jackson	8	2.6%	20	6.5%	80	25.8%	156	50.3%	46	14.8%	1	311
Jefferson	8	1.5%	25	4.7%	160	30.3%	295	55.9%	40	7.6%	5	533
Kanawha	59	3.2%	194	10.5%	601	32.5%	788	42.6%	209	11.3%	10	1,861
Lewis	4	2.3%	8	4.5%	40	22.7%	99	56.3%	25	14.2%	0	176
Lincoln	5	2.2%	10	4.4%	55	24.4%	112	49.8%	43	19.1%	0	225
Logan	10	3.0%	41	12.3%	127	38.0%	133	39.8%	23	6.9%	2	336
McDowell	6	3.3%	18	10.0%	61	33.9%	73	40.6%	22	12.2%	0	180
Marion	11	1.9%	39	6.8%	147	25.8%	298	52.3%	75	13.2%	4	574
Marshall	6	2.2%	20	7.2%	67	24.2%	175	63.2%	9	3.2%	3	280
Mason	2	0.7%	17	6.3%	48	17.8%	156	58.0%	46	17.1%	0	269
Mercer	12	1.8%	36	5.5%	215	32.6%	323	49.0%	73	11.1%	2	661
Mineral	1	0.4%	22	8.8%	86	34.5%	126	50.6%	14	5.6%	2	251
Mingo	6	2.2%	26	9.7%	91	34.1%	125	46.8%	19	7.1%	11	278
Monongalia	9	0.9%	48	4.8%	231	23.0%	583	58.0%	135	13.4%	6	1,012
Monroe	1	0.8%	10	8.3%	49	40.5%	54	44.6%	7	5.8%	5	126
Morgan	3	2.4%	8	6.5%	43	34.7%	63	50.8%	7	5.6%	3	127
Nicholas	7	3.1%	21	9.3%	76	33.5%	97	42.7%	26	11.5%	4	231
Ohio	7	1.7%	20	4.9%	92	22.7%	275	67.9%	11	2.7%	2	407
Pendleton	0	0.0%	8	14.3%	9	16.1%	32	57.1%	7	12.5%	0	56
Pleasants	1	1.4%	4	5.4%	14	18.9%	44	59.5%	11	14.9%	1	75
Pocahontas	2	2.8%	6	8.3%	18	25.0%	41	56.9%	5	6.9%	3	75
Preston	5	1.5%	23	7.0%	69	20.9%	176	53.3%	57	17.3%	3	333
Putnam	4	0.8%	27	5.3%	122	23.8%	268	52.2%	92	17.9%	2	515
Raleigh	18	2.3%	49	6.2%	191	24.0%	343	43.1%	195	24.5%	3	799
Randolph	4	1.6%	11	4.3%	64	24.8%	159	61.6%	20	7.8%	3	261
Ritchie	2	2.1%	5	5.3%	17	17.9%	58	61.1%	13	13.7%	0	95
Roane	4	3.0%	18	13.5%	48	36.1%	57	42.9%	6	4.5%	0	133
Summers	3	3.1%	8	8.2%	34	34.7%	35	35.7%	18	18.4%	3	101
Taylor	0	0.0%	11	7.5%	35	24.0%	86	58.9%	14	9.6%	0	146
Tucker	2	3.6%	3	5.4%	16	28.6%	28	50.0%	7	12.5%	0	56
Tyler	2	2.4%	9	10.6%	19	22.4%	51	60.0%	4	4.7%	0	85
Upshur	6	2.4%	12	4.9%	66	26.9%	128	52.2%	33	13.5%	4	249
Wayne	3	0.8%	11	2.9%	70	18.7%	226	60.3%	65	17.3%	0	375
Webster	2	2.1%	14	14.9%	35	37.2%	36	38.3%	7	7.4%	1	95
Wetzel	5	2.9%	7	4.1%	43	25.3%	111	65.3%	4	2.4%	3	173
Wirt	1	1.9%	2	3.7%	11	20.4%	34	63.0%	6	11.1%	1	55
Wood	14	1.5%	42	4.6%	185	20.4%	520	57.3%	146	16.1%	2	909
Wyoming	6	3.3%	23	12.5%	58	31.5%	70	38.0%	27	14.7%	1	185
<b>Total</b>	<b>338</b>	<b>1.9%</b>	<b>1,233</b>	<b>6.8%</b>	<b>4,812</b>	<b>26.6%</b>	<b>9,483</b>	<b>52.5%</b>	<b>2,208</b>	<b>12.2%</b>	<b>169</b>	<b>18,243</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, 2018

Table 62

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	31.2	45.2	8.9	18.5	15.9	29.9	2.6	18.5
Berkeley	15.6	34.8	7.1	18.6	11.7	25.0	0.4	16.1
Boone	34.7	59.8	21.1	17.1	17.1	33.2	2.5	16.6
Braxton	31.9	46.2	8.4	22.7	22.7	42.0	3.4	18.5
Brooke	22.9	33.5	2.1	31.4	12.8	51.1	1.1	13.3
Cabell	21.6	43.0	6.9	19.7	14.6	40.8	0.8	16.7
Calhoun	34.0	47.2	11.3	20.8	18.9	28.3	1.9	13.2
Clay	34.4	44.7	14.9	11.7	12.8	36.2	3.2	12.8
Doddridge	26.6	50.0	10.9	23.4	15.6	29.7	4.7	23.4
Fayette	27.4	59.7	13.4	19.1	12.2	46.1	7.2	14.8
Gilmer	18.5	46.2	6.2	21.5	23.1	32.3	1.6	9.2
Grant	21.7	32.2	1.7	20.0	18.3	29.6	0.9	8.7
Greenbrier	28.2	30.8	7.5	16.6	8.8	16.9	3.9	10.7
Hampshire	24.8	33.9	0.9	14.8	12.6	20.0	0.4	10.4
Hancock	27.0	35.9	5.2	21.0	16.1	53.6	2.8	15.7
Hardy	25.4	41.4	1.2	26.6	17.2	23.7	1.8	8.9
Harrison	25.0	47.0	9.0	16.0	15.1	25.2	1.1	20.5
Jackson	26.7	53.1	11.9	23.5	20.3	31.8	1.9	15.8
Jefferson	15.8	40.2	6.8	17.4	14.6	29.5	0.4	13.9
Kanawha	24.7	59.3	21.4	20.7	19.3	36.3	2.5	14.7
Lewis	30.7	46.6	11.9	21.6	9.7	36.4	1.7	15.9
Lincoln	25.4	48.0	6.7	22.7	21.8	35.1	1.8	19.1
Logan	35.8	43.0	8.1	28.6	11.9	37.2	1.8	9.2
McDowell	37.8	32.2	3.3	20.6	9.4	39.4	1.1	11.7
Marion	25.2	45.6	10.5	15.5	11.3	30.7	1.2	17.9
Marshall	25.4	20.4	4.6	29.6	9.6	42.9	0.4	20.4
Mason	28.3	48.7	6.7	16.0	13.0	45.4	1.5	14.9
Mercer	23.3	34.9	5.6	19.7	13.5	43.0	2.1	15.1
Mineral	20.3	29.1	0.4	19.1	10.4	27.5	0.4	8.0
Mingo	32.1	41.0	4.7	23.7	18.7	30.9	2.2	12.2
Monongalia	12.8	36.7	4.3	17.4	10.8	41.6	0.7	14.1
Monroe	22.2	23.8	3.2	13.5	4.0	22.2	1.6	5.6
Morgan	17.3	32.3	6.3	17.3	9.4	26.8	0.0	16.5
Nicholas	33.5	57.6	11.7	14.3	20.3	37.7	6.5	14.7
Ohio	22.1	25.8	5.7	29.0	8.4	40.8	1.0	16.2
Pendleton	10.7	46.4	7.1	16.1	19.6	26.8	1.8	14.3
Pleasants	17.3	32.0	5.3	28.0	14.7	28.0	0.0	8.0
Pocahontas	20.0	30.7	4.0	18.7	10.7	29.3	1.4	2.7
Preston	25.5	46.8	8.4	15.3	15.0	39.0	1.2	19.2
Putnam	15.7	51.7	6.6	17.9	16.1	33.2	1.7	10.7
Raleigh	27.6	59.7	13.3	17.9	13.6	48.3	6.9	16.5
Randolph	31.2	47.9	12.3	18.4	14.2	46.0	2.0	14.9
Ritchie	23.2	46.3	7.4	21.1	17.9	21.1	1.1	13.7
Roane	32.3	47.4	15.0	18.8	18.0	33.8	1.5	10.5
Summers	24.8	34.7	7.9	11.9	9.9	42.6	3.0	17.8
Taylor	24.7	45.2	4.8	19.2	10.3	36.3	0.7	22.6
Tucker	16.1	44.6	7.1	17.9	12.5	42.9	0.0	12.5
Tyler	24.7	31.8	11.8	23.5	12.9	34.1	2.4	18.8
Upshur	25.8	42.6	10.0	14.1	16.1	42.6	2.1	20.5
Wayne	24.5	44.8	4.8	15.5	17.1	34.7	0.5	18.1
Webster	32.6	48.4	8.4	17.9	23.2	36.8	4.2	17.9
Wetzel	28.9	34.7	9.2	16.8	8.7	33.5	0.0	19.7
Wirt	38.2	41.8	20.0	14.5	21.8	27.3	0.0	27.3
Wood	23.3	45.3	12.5	20.0	21.0	29.5	0.8	19.5
Wyoming	33.2	57.8	7.6	27.0	16.2	50.3	3.8	16.8
Total	23.8	44.1	9.3	19.4	14.7	35.4	1.9	15.5

West Virginia Bureau for Public Health

\*Percentages calculated excluding unknown.

Health Statistics Center, Vital Statistics System, 2022

Number of Deaths by Race and County of Residence  
West Virginia, 2018  
Table 63

County	White or Caucasian	Black or African American	Native American or Aleutian Islander	Asian, Hawaiian or Pacific Islander	Two or More Races	All Other Races	Total
Barbour	199	0	0	0	0	0	199
Berkeley	1,013	74	0	5	10	0	1,102
Boone	323	3	0	0	0	0	326
Braxton	195	2	0	0	1	0	198
Brooke	301	4	0	0	2	0	307
Cabell	1,273	52	1	6	5	1	1,338
Calhoun	109	0	0	0	0	0	109
Clay	136	0	0	0	0	0	136
Doddridge	77	0	0	0	0	0	77
Fayette	585	38	1	1	1	0	626
Gilmer	92	0	0	0	0	0	92
Grant	144	2	0	0	0	0	146
Greenbrier	487	15	0	1	0	0	503
Hampshire	244	1	0	1	0	0	246
Hancock	437	6	0	0	0	0	443
Hardy	164	5	0	0	1	0	170
Harrison	851	15	1	0	1	0	868
Jackson	383	0	1	0	0	0	384
Jefferson	445	49	0	3	3	0	500
Kanawha	2,506	160	1	5	5	1	2,678
Lewis	251	0	0	0	0	0	251
Lincoln	311	0	0	0	0	0	311
Logan	546	7	0	0	2	0	555
McDowell	333	38	0	0	1	0	372
Marion	711	30	1	1	0	0	743
Marshall	395	1	0	1	1	0	398
Mason	369	3	0	1	1	0	374
Mercer	848	42	0	1	0	1	892
Mineral	328	10	1	0	1	0	340
Mingo	340	5	0	1	0	0	346
Monongalia	699	20	1	6	4	2	732
Monroe	192	2	0	0	0	0	194
Morgan	225	4	0	2	0	0	231
Nicholas	314	1	0	2	0	0	317
Ohio	552	17	0	0	2	0	571
Pendleton	98	0	0	0	0	0	98
Pleasants	97	0	0	0	0	0	97
Pocahontas	107	0	0	0	0	0	107
Preston	383	4	0	0	0	0	387
Putnam	599	2	0	2	0	0	603
Raleigh	1,017	73	0	7	2	0	1,099
Randolph	350	2	0	1	0	0	353
Ritchie	133	0	0	0	0	0	133
Roane	235	0	0	0	1	0	236
Summers	178	5	0	0	0	0	183
Taylor	206	2	0	0	0	0	208
Tucker	98	0	0	0	0	0	98
Tyler	115	1	1	0	0	0	117
Upshur	254	0	0	0	0	0	254
Wayne	532	2	0	0	0	0	534
Webster	126	0	0	0	0	0	126
Wetzel	235	0	0	0	0	0	235
Wirt	63	0	0	1	0	0	64
Wood	1,126	9	0	2	1	0	1,138
Wyoming	315	2	0	0	0	0	317
<b>Total</b>	<b>22,645</b>	<b>708</b>	<b>9</b>	<b>50</b>	<b>45</b>	<b>5</b>	<b>23,462</b>

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

Number of Male Deaths by Race and County of Residence  
West Virginia, 2018  
Table 64

County	White or Caucasian	Black or African American	Native American or Aleutian Islander	Asian, Hawaiian or Pacific Islander	Two or More Races	All Other Races	Total
Barbour	111	0	0	0	0	0	111
Berkeley	522	48	0	2	4	0	576
Boone	173	2	0	0	0	0	175
Braxton	114	2	0	0	1	0	117
Brooke	142	1	0	0	1	0	144
Cabell	672	29	1	5	2	0	709
Calhoun	54	0	0	0	0	0	54
Clay	70	0	0	0	0	0	70
Doddridge	35	0	0	0	0	0	35
Fayette	302	19	1	1	0	0	323
Gilmer	48	0	0	0	0	0	48
Grant	71	1	0	0	0	0	72
Greenbrier	250	9	0	0	0	0	259
Hampshire	139	1	0	0	0	0	140
Hancock	227	2	0	0	0	0	229
Hardy	79	3	0	0	1	0	83
Harrison	423	13	1	0	1	0	438
Jackson	196	0	0	0	0	0	196
Jefferson	231	31	0	1	0	0	263
Kanawha	1,221	94	0	2	2	1	1,320
Lewis	122	0	0	0	0	0	122
Lincoln	176	0	0	0	0	0	176
Logan	286	5	0	0	1	0	292
McDowell	189	19	0	0	1	0	209
Marion	343	12	0	0	0	0	355
Marshall	215	1	0	0	1	0	217
Mason	204	3	0	1	1	0	209
Mercer	441	21	0	0	0	1	463
Mineral	180	4	0	0	1	0	185
Mingo	192	2	0	1	0	0	195
Monongalia	339	12	0	2	1	1	355
Monroe	92	1	0	0	0	0	93
Morgan	113	2	0	2	0	0	117
Nicholas	168	1	0	1	0	0	170
Ohio	275	9	0	0	0	0	284
Pendleton	54	0	0	0	0	0	54
Pleasants	47	0	0	0	0	0	47
Pocahontas	53	0	0	0	0	0	53
Preston	197	3	0	0	0	0	200
Putnam	304	2	0	1	0	0	307
Raleigh	530	37	0	6	0	0	573
Randolph	170	1	0	0	0	0	171
Ritchie	76	0	0	0	0	0	76
Roane	122	0	0	0	1	0	123
Summers	95	4	0	0	0	0	99
Taylor	101	0	0	0	0	0	101
Tucker	50	0	0	0	0	0	50
Tyler	70	0	1	0	0	0	71
Upshur	138	0	0	0	0	0	138
Wayne	311	1	0	0	0	0	312
Webster	68	0	0	0	0	0	68
Wetzel	112	0	0	0	0	0	112
Wirt	33	0	0	0	0	0	33
Wood	573	6	0	1	1	0	581
Wyoming	152	0	0	0	0	0	152
<b>Total</b>	<b>11,671</b>	<b>401</b>	<b>4</b>	<b>26</b>	<b>20</b>	<b>3</b>	<b>12,125</b>

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

Number of Female Deaths by Race and County of Residence  
West Virginia, 2018  
Table 65

County	White or Caucasian	Black or African American	Native American or Aleutian Islander	Asian, Hawaiian or Pacific Islander	Two or More Races	All Other Races	Total
Barbour	88	0	0	0	0	0	88
Berkeley	491	26	0	3	6	0	526
Boone	150	1	0	0	0	0	151
Braxton	81	0	0	0	0	0	81
Brooke	159	3	0	0	1	0	163
Cabell	601	23	0	1	3	1	629
Calhoun	55	0	0	0	0	0	55
Clay	66	0	0	0	0	0	66
Doddridge	42	0	0	0	0	0	42
Fayette	283	19	0	0	1	0	303
Gilmer	44	0	0	0	0	0	44
Grant	73	1	0	0	0	0	74
Greenbrier	237	6	0	1	0	0	244
Hampshire	105	0	0	1	0	0	106
Hancock	210	4	0	0	0	0	214
Hardy	85	2	0	0	0	0	87
Harrison	428	2	0	0	0	0	430
Jackson	187	0	1	0	0	0	188
Jefferson	214	18	0	2	3	0	237
Kanawha	1,285	66	1	3	3	0	1,358
Lewis	129	0	0	0	0	0	129
Lincoln	135	0	0	0	0	0	135
Logan	260	2	0	0	1	0	263
McDowell	144	19	0	0	0	0	163
Marion	368	18	1	1	0	0	388
Marshall	180	0	0	1	0	0	181
Mason	165	0	0	0	0	0	165
Mercer	407	21	0	1	0	0	429
Mineral	148	6	1	0	0	0	155
Mingo	148	3	0	0	0	0	151
Monongalia	360	8	1	4	3	1	377
Monroe	100	1	0	0	0	0	101
Morgan	112	2	0	0	0	0	114
Nicholas	146	0	0	1	0	0	147
Ohio	277	8	0	0	2	0	287
Pendleton	44	0	0	0	0	0	44
Pleasants	50	0	0	0	0	0	50
Pocahontas	54	0	0	0	0	0	54
Preston	186	1	0	0	0	0	187
Putnam	295	0	0	1	0	0	296
Raleigh	487	36	0	1	2	0	526
Randolph	180	1	0	1	0	0	182
Ritchie	57	0	0	0	0	0	57
Roane	113	0	0	0	0	0	113
Summers	83	1	0	0	0	0	84
Taylor	105	2	0	0	0	0	107
Tucker	48	0	0	0	0	0	48
Tyler	45	1	0	0	0	0	46
Upshur	116	0	0	0	0	0	116
Wayne	221	1	0	0	0	0	222
Webster	58	0	0	0	0	0	58
Wetzel	123	0	0	0	0	0	123
Wirt	30	0	0	1	0	0	31
Wood	553	3	0	1	0	0	557
Wyoming	163	2	0	0	0	0	165
<b>Total</b>	<b>10,974</b>	<b>307</b>	<b>5</b>	<b>24</b>	<b>25</b>	<b>2</b>	<b>11,337</b>

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

Number of Deaths by County of Residence and Occurrence  
West Virginia, 2018  
Table 66

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	199	144	Monongalia	732	1,826
Berkeley	1,102	936	Monroe	194	94
Boone	326	195	Morgan	231	164
Braxton	198	136	Nicholas	317	195
Brooke	307	354	Ohio	571	1,023
Cabell	1,338	2,326	Pendleton	98	71
Calhoun	109	66	Pleasants	97	69
Clay	136	79	Pocahontas	107	69
Doddridge	77	43	Preston	387	255
Fayette	626	376	Putnam	603	452
Gilmer	92	75	Raleigh	1,099	1,324
Grant	146	138	Randolph	353	329
Greenbrier	503	502	Ritchie	133	73
Hampshire	246	168	Roane	236	149
Hancock	443	200	Summers	183	113
Hardy	170	87	Taylor	208	156
Harrison	868	1,021	Tucker	98	75
Jackson	384	256	Tyler	117	81
Jefferson	500	546	Upshur	254	178
Kanawha	2,678	3,532	Wayne	534	254
Lewis	251	194	Webster	126	76
Lincoln	311	130	Wetzel	235	143
Logan	555	476	Wirt	64	31
McDowell	372	240	Wood	1,138	1,138
Marion	743	520	Wyoming	317	138
Marshall	398	243			
Mason	374	216			
Mercer	892	864	Total	23,462	22,921
Mineral	340	215			
Mingo	346	167			

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

Resident deaths include 2,261 West Virginians dying out of state.



Method of Disposition by County of Residence  
West Virginia Deaths, 2018  
Table 67

County	Method of Disposition								Un- known	Total
	Burial		Cremation		Removal From State		All Other Methods**			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
Barbour	120	60.3%	67	33.7%	5	2.5%	7	3.5%	0	199
Berkeley	403	36.6%	568	51.5%	73	6.6%	58	5.3%	0	1,102
Boone	211	64.7%	102	31.3%	5	1.5%	8	2.5%	0	326
Braxton	106	53.5%	80	40.4%	2	1.0%	10	5.1%	0	198
Brooke	131	42.7%	95	30.9%	72	23.5%	9	2.9%	0	307
Cabell	706	52.8%	522	39.0%	39	2.9%	71	5.3%	0	1,338
Calhoun	69	63.3%	37	33.9%	2	1.8%	1	0.9%	0	109
Clay	91	66.9%	36	26.5%	5	3.7%	4	2.9%	0	136
Doddridge	48	62.3%	26	33.8%	2	2.6%	1	1.3%	0	77
Fayette	330	52.7%	245	39.1%	6	1.0%	45	7.2%	0	626
Gilmer	60	65.2%	28	30.4%	2	2.2%	2	2.2%	0	92
Grant	91	62.3%	35	24.0%	16	11.0%	4	2.7%	0	146
Greenbrier	258	51.3%	179	35.6%	33	6.6%	33	6.6%	0	503
Hampshire	82	33.3%	126	51.2%	30	12.2%	8	3.3%	0	246
Hancock	155	35.0%	137	30.9%	115	26.0%	36	8.1%	0	443
Hardy	80	47.1%	54	31.8%	34	20.0%	2	1.2%	0	170
Harrison	485	55.9%	314	36.2%	11	1.3%	58	6.7%	0	868
Jackson	210	54.7%	140	36.5%	17	4.4%	17	4.4%	0	384
Jefferson	170	34.0%	253	50.6%	49	9.8%	28	5.6%	0	500
Kanawha	1,295	48.4%	1,134	42.3%	35	1.3%	214	8.0%	0	2,678
Lewis	151	60.2%	85	33.9%	8	3.2%	7	2.8%	0	251
Lincoln	222	71.4%	82	26.4%	2	0.6%	5	1.6%	0	311
Logan	364	65.6%	170	30.6%	6	1.1%	15	2.7%	0	555
McDowell	228	61.3%	103	27.7%	22	5.9%	19	5.1%	0	372
Marion	456	61.4%	227	30.6%	21	2.8%	39	5.2%	0	743
Marshall	178	44.7%	175	44.0%	25	6.3%	20	5.0%	0	398
Mason	193	51.6%	117	31.3%	55	14.7%	9	2.4%	0	374
Mercer	475	53.3%	306	34.3%	63	7.1%	48	5.4%	0	892
Mineral	160	47.1%	153	45.0%	10	2.9%	17	5.0%	0	340
Mingo	245	70.8%	88	25.4%	7	2.0%	6	1.7%	0	346
Monongalia	361	49.3%	311	42.5%	25	3.4%	35	4.8%	0	732
Monroe	117	60.3%	40	20.6%	32	16.5%	5	2.6%	0	194
Morgan	77	33.3%	115	49.8%	31	13.4%	8	3.5%	0	231
Nicholas	193	60.9%	110	34.7%	5	1.6%	9	2.8%	0	317
Ohio	236	41.3%	273	47.8%	36	6.3%	26	4.6%	0	571
Pendleton	49	50.0%	32	32.7%	15	15.3%	2	2.0%	0	98
Pleasants	51	52.6%	28	28.9%	15	15.5%	3	3.1%	0	97
Pocahontas	55	51.4%	44	41.1%	6	5.6%	2	1.9%	0	107
Preston	232	59.9%	138	35.7%	8	2.1%	9	2.3%	0	387
Putnam	336	55.7%	212	35.2%	8	1.3%	47	7.8%	0	603
Raleigh	629	57.2%	387	35.2%	32	2.9%	51	4.6%	0	1,099
Randolph	190	53.8%	151	42.8%	1	0.3%	11	3.1%	0	353
Ritchie	73	54.9%	43	32.3%	13	9.8%	4	3.0%	0	133
Roane	127	53.8%	102	43.2%	2	0.8%	5	2.1%	0	236
Summers	96	52.5%	74	40.4%	10	5.5%	3	1.6%	0	183
Taylor	125	60.1%	74	35.6%	4	1.9%	5	2.4%	0	208
Tucker	62	63.3%	36	36.7%	0	0.0%	0	0.0%	0	98
Tyler	52	44.4%	55	47.0%	7	6.0%	3	2.6%	0	117
Upshur	132	52.0%	114	44.9%	3	1.2%	5	2.0%	0	254
Wayne	371	69.5%	133	24.9%	23	4.3%	7	1.3%	0	534
Webster	85	67.5%	36	28.6%	3	2.4%	2	1.6%	0	126
Wetzel	135	57.4%	85	36.2%	8	3.4%	7	3.0%	0	235
Wirt	33	51.6%	20	31.3%	7	10.9%	4	6.3%	0	64
Wood	512	45.0%	419	36.8%	118	10.4%	89	7.8%	0	1,138
Wyoming	206	65.0%	96	30.3%	6	1.9%	9	2.8%	0	317
<b>Total</b>	<b>12,308</b>	<b>52.5%</b>	<b>8,812</b>	<b>37.6%</b>	<b>1,190</b>	<b>5.1%</b>	<b>1,152</b>	<b>4.9%</b>	<b>0</b>	<b>23,462</b>

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\*Percentages calculated excluding unknown disposition.  
\*\*Includes donation, entombment or any other method.

Method of Disposition by County of Occurrence  
West Virginia Deaths, 2018  
Table 67 (Cont'd)

County	Method of Disposition								Un- known	Total
	Burial		Cremation		Removal From State		All Other Methods**			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
Barbour	89	61.8%	51	35.4%	0	0.0%	4	2.8%	0	144
Berkeley	357	38.1%	512	54.7%	14	1.5%	53	5.7%	0	936
Boone	137	70.3%	52	26.7%	0	0.0%	6	3.1%	0	195
Braxton	74	54.4%	53	39.0%	2	1.5%	7	5.1%	0	136
Brooke	177	50.0%	150	42.4%	6	1.7%	21	5.9%	0	354
Cabell	1,367	58.8%	821	35.3%	31	1.3%	107	4.6%	0	2,326
Calhoun	43	65.2%	23	34.8%	0	0.0%	0	0.0%	0	66
Clay	54	68.4%	23	29.1%	0	0.0%	2	2.5%	0	79
Doddridge	28	65.1%	13	30.2%	1	2.3%	1	2.3%	0	43
Fayette	196	52.1%	154	41.0%	3	0.8%	23	6.1%	0	376
Gilmer	52	69.3%	22	29.3%	0	0.0%	1	1.3%	0	75
Grant	98	71.0%	35	25.4%	1	0.7%	4	2.9%	0	138
Greenbrier	298	59.4%	167	33.3%	1	0.2%	36	7.2%	0	502
Hampshire	68	40.5%	93	55.4%	1	0.6%	6	3.6%	0	168
Hancock	105	52.5%	72	36.0%	1	0.5%	22	11.0%	0	200
Hardy	48	55.2%	38	43.7%	0	0.0%	1	1.1%	0	87
Harrison	591	57.9%	367	35.9%	5	0.5%	58	5.7%	0	1,021
Jackson	140	54.7%	106	41.4%	2	0.8%	8	3.1%	0	256
Jefferson	220	40.3%	293	53.7%	0	0.0%	33	6.0%	0	546
Kanawha	1,835	52.0%	1,430	40.5%	16	0.5%	251	7.1%	0	3,532
Lewis	128	66.0%	61	31.4%	0	0.0%	5	2.6%	0	194
Lincoln	96	73.8%	32	24.6%	0	0.0%	2	1.5%	0	130
Logan	327	68.7%	137	28.8%	0	0.0%	12	2.5%	0	476
McDowell	154	64.2%	74	30.8%	0	0.0%	12	5.0%	0	240
Marion	328	63.1%	159	30.6%	3	0.6%	30	5.8%	0	520
Marshall	115	47.3%	119	49.0%	2	0.8%	7	2.9%	0	243
Mason	132	61.1%	78	36.1%	1	0.5%	5	2.3%	0	216
Mercer	516	59.7%	297	34.4%	4	0.5%	47	5.4%	0	864
Mineral	108	50.2%	99	46.0%	0	0.0%	8	3.7%	0	215
Mingo	115	68.9%	50	29.9%	0	0.0%	2	1.2%	0	167
Monongalia	942	51.6%	795	43.5%	16	0.9%	73	4.0%	0	1,826
Monroe	70	74.5%	22	23.4%	0	0.0%	2	2.1%	0	94
Morgan	68	41.5%	87	53.0%	3	1.8%	6	3.7%	0	164
Nicholas	117	60.0%	73	37.4%	1	0.5%	4	2.1%	0	195
Ohio	472	46.1%	491	48.0%	8	0.8%	52	5.1%	0	1,023
Pendleton	43	60.6%	26	36.6%	1	1.4%	1	1.4%	0	71
Pleasants	40	58.0%	26	37.7%	1	1.4%	2	2.9%	0	69
Pocahontas	36	52.2%	31	44.9%	1	1.4%	1	1.4%	0	69
Preston	160	63.0%	81	31.9%	5	2.0%	8	3.1%	1	255
Putnam	257	56.9%	162	35.8%	2	0.4%	31	6.9%	0	452
Raleigh	777	58.7%	479	36.2%	3	0.2%	65	4.9%	0	1,324
Randolph	190	57.8%	129	39.2%	1	0.3%	9	2.7%	0	329
Ritchie	45	61.6%	27	37.0%	0	0.0%	1	1.4%	0	73
Roane	90	60.4%	56	37.6%	0	0.0%	3	2.0%	0	149
Summers	60	53.1%	50	44.2%	0	0.0%	3	2.7%	0	113
Taylor	97	62.2%	54	34.6%	1	0.6%	4	2.6%	0	156
Tucker	49	65.3%	26	34.7%	0	0.0%	0	0.0%	0	75
Tyler	42	51.9%	38	46.9%	0	0.0%	1	1.2%	0	81
Upshur	90	50.6%	82	46.1%	1	0.6%	5	2.8%	0	178
Wayne	169	66.5%	81	31.9%	2	0.8%	2	0.8%	0	254
Webster	59	77.6%	15	19.7%	0	0.0%	2	2.6%	0	76
Wetzel	80	55.9%	55	38.5%	2	1.4%	6	4.2%	0	143
Wirt	22	71.0%	7	22.6%	0	0.0%	2	6.5%	0	31
Wood	595	52.3%	439	38.6%	10	0.9%	94	8.3%	0	1,138
Wyoming	95	68.8%	40	29.0%	0	0.0%	3	2.2%	0	138
<b>Total</b>	<b>12,661</b>	<b>55.2%</b>	<b>8,953</b>	<b>39.1%</b>	<b>152</b>	<b>0.7%</b>	<b>1,154</b>	<b>5.0%</b>	<b>1</b>	<b>22,921</b>

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\*Percentages calculated excluding unknown disposition.  
\*\*Includes donation, entombment or any other method.

Number of Deaths by County of Residence  
West Virginia, 2014-2018  
Table 68

County	2014	2015	2016	2017	2018	County	2014	2015	2016	2017	2018
Barbour	203	198	192	182	199	Monongalia	656	709	729	723	732
Berkeley	992	984	1,050	1,051	1,102	Monroe	183	177	160	169	194
Boone	352	342	299	338	326	Morgan	205	206	242	238	231
Braxton	186	177	179	178	198	Nicholas	311	322	336	358	317
Brooke	342	342	391	291	307	Ohio	580	577	576	557	571
Cabell	1,280	1,228	1,267	1,359	1,338	Pendleton	87	93	95	96	98
Calhoun	85	95	79	98	109	Pleasants	95	90	94	101	97
Clay	112	109	123	118	136	Pocahontas	106	107	95	103	107
Doddridge	90	86	85	83	77	Preston	351	381	367	395	387
Fayette	672	649	660	650	626	Putnam	578	568	625	631	603
Gilmer	67	84	90	81	92	Raleigh	968	1,088	1,049	1,029	1,099
Grant	135	136	133	120	146	Randolph	345	374	366	355	353
Greenbrier	457	496	478	500	503	Ritchie	132	126	108	133	133
Hampshire	238	279	254	289	246	Roane	196	191	216	208	236
Hancock	425	394	403	466	443	Summers	190	207	185	232	183
Hardy	158	169	170	137	170	Taylor	174	214	203	191	208
Harrison	843	848	851	881	868	Tucker	76	85	95	76	98
Jackson	341	364	348	393	384	Tyler	117	114	123	105	117
Jefferson	477	444	488	540	500	Upshur	275	256	308	293	254
Kanawha	2,433	2,523	2,520	2,598	2,678	Wayne	521	524	506	554	534
Lewis	229	241	233	247	251	Webster	114	133	117	129	126
Lincoln	260	259	276	277	311	Wetzel	218	210	196	251	235
Logan	515	572	539	572	555	Wirt	72	66	56	67	64
McDowell	305	348	337	294	372	Wood	1,097	1,068	1,108	1,094	1,138
Marion	648	714	708	705	743	Wyoming	321	343	313	344	317
Marshall	411	403	432	411	398						
Mason	359	366	343	346	374						
Mercer	900	887	846	950	892	Total	22,164	22,643	22,721	23,290	23,462
Mineral	279	344	339	332	340						
Mingo	402	333	340	371	346						

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Age at Death by County of Residence  
West Virginia, 2018  
Table 69

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	199	1	0	0	0	1	2	4	8	10	29	41	56	47	71.7
Berkeley	1,102	11	2	1	2	4	8	45	28	83	189	257	250	222	68.9
Boone	326	1	0	0	0	1	1	10	16	34	54	74	78	57	68.8
Braxton	198	1	0	1	0	0	0	5	8	15	37	57	39	35	68.9
Brooke	307	2	0	0	0	1	0	3	6	9	41	56	83	106	76.3
Cabell	1,338	13	0	0	2	2	8	48	71	101	206	237	311	339	70.0
Calhoun	109	0	0	0	0	0	0	0	0	6	18	21	35	29	75.7
Clay	136	1	0	0	0	1	0	1	8	10	23	28	34	30	70.7
Doddridge	77	0	0	0	0	0	0	2	2	5	14	19	23	12	70.8
Fayette	626	5	2	1	0	2	1	11	27	33	99	139	149	157	71.6
Gilmer	92	0	0	0	0	0	0	2	0	14	10	16	28	22	73.1
Grant	146	0	0	1	1	0	3	3	3	11	18	31	35	40	71.8
Greenbrier	503	2	0	1	1	1	2	8	11	23	67	96	143	148	74.5
Hampshire	246	5	0	1	1	0	4	3	6	28	27	65	59	47	68.8
Hancock	443	1	0	0	0	0	2	3	14	17	73	87	99	147	74.9
Hardy	170	0	1	0	0	2	1	1	4	10	19	34	47	51	74.3
Harrison	868	3	1	0	0	5	6	14	24	57	128	178	199	253	72.8
Jackson	384	2	0	0	1	1	6	5	10	14	54	75	108	108	73.6
Jefferson	500	2	0	0	0	3	3	15	16	33	73	109	125	121	71.5
Kanawha	2,678	15	2	0	2	8	19	71	94	174	357	558	655	723	72.0
Lewis	251	4	0	0	0	0	0	3	9	19	29	50	70	67	72.6
Lincoln	311	1	1	1	0	2	2	8	9	27	56	64	69	71	69.7
Logan	555	4	0	1	2	1	0	10	29	48	104	131	123	102	68.9
McDowell	372	2	0	1	0	2	1	7	15	43	67	86	85	63	68.5
Marion	743	3	1	0	0	1	6	16	11	36	90	149	187	243	74.9
Marshall	398	0	0	0	1	1	1	8	12	17	64	71	113	110	73.7
Mason	374	2	1	0	0	0	3	13	14	29	59	81	83	89	70.2
Mercer	892	4	2	0	0	4	4	16	37	57	134	181	220	233	71.9
Mineral	340	0	0	0	0	1	1	7	12	24	42	85	90	78	72.4
Mingo	346	1	0	0	0	0	0	8	10	45	54	80	93	55	69.4
Monongalia	732	13	0	0	1	1	6	15	19	49	88	137	172	231	72.8
Monroe	194	0	0	0	0	0	1	2	3	5	36	27	52	68	75.8
Morgan	231	1	0	0	0	0	0	4	8	12	40	49	57	60	72.4
Nicholas	317	0	0	1	1	1	1	2	12	21	44	76	76	82	72.5
Ohio	571	3	0	1	0	0	3	12	17	32	78	105	132	188	74.0
Pendleton	98	1	0	0	0	1	2	0	1	4	14	24	21	30	74.1
Pleasants	97	0	0	0	0	0	1	1	3	6	7	23	22	34	75.6
Pocahontas	107	0	1	0	1	0	3	4	2	9	11	21	26	29	70.4
Preston	387	1	1	1	2	0	4	12	5	16	47	87	113	98	72.9
Putnam	603	2	0	0	2	0	4	11	22	38	82	133	150	159	72.4
Raleigh	1,099	7	1	0	0	4	7	26	56	78	135	258	256	271	71.1
Randolph	353	1	0	0	1	1	2	4	13	24	41	72	91	103	73.4
Ritchie	133	0	0	0	0	0	1	3	1	8	18	33	31	38	74.4
Roane	236	0	0	0	2	0	0	3	12	14	45	50	55	55	71.2
Summers	183	0	0	0	0	0	0	5	6	10	33	46	48	35	71.6
Taylor	208	0	0	0	0	0	3	3	3	11	32	46	45	65	74.0
Tucker	98	1	0	0	0	0	0	1	2	8	7	23	33	23	74.1
Tyler	117	0	0	0	0	0	1	3	0	5	21	26	34	27	73.3
Upshur	254	3	0	0	0	0	3	2	4	11	27	62	71	71	74.1
Wayne	534	1	0	1	0	0	1	11	23	38	73	119	138	129	72.0
Webster	126	0	0	0	0	0	2	0	7	4	11	33	41	28	73.6
Wetzel	235	0	0	0	0	1	2	5	5	11	28	53	63	67	74.3
Wirt	64	0	0	0	1	0	0	0	3	4	10	14	17	15	72.1
Wood	1,138	6	1	1	1	3	8	27	20	65	155	244	310	297	73.0
Wyoming	317	2	0	0	0	1	0	5	9	25	62	85	81	47	69.7
Total	23,462	128	17	14	25	57	139	511	770	1,540	3,380	5,002	5,824	6,055	72.0

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Place Death Occurred by County of Residence  
West Virginia, 2018  
Table 70

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	Un-known	
Barbour	64	4	5	0	40	6	78	2	0	0	0	199
Berkeley	305	114	1	0	142	45	347	148	0	0	0	1,102
Boone	110	6	0	0	37	23	109	41	0	0	0	326
Braxton	75	4	0	0	21	14	77	7	0	0	0	198
Brooke	65	47	0	0	72	14	74	35	0	0	0	307
Cabell	445	32	3	0	232	71	364	191	0	0	0	1,338
Calhoun	39	3	0	0	14	3	47	3	0	0	0	109
Clay	36	3	0	0	15	12	53	17	0	0	0	136
Doddridge	27	3	0	0	11	3	32	1	0	0	0	77
Fayette	218	8	1	0	78	46	146	129	0	0	0	626
Gilmer	29	3	0	0	14	6	39	1	0	0	0	92
Grant	37	24	0	0	32	10	43	0	0	0	0	146
Greenbrier	127	40	6	0	89	19	110	112	0	0	0	503
Hampshire	34	46	0	0	38	23	92	13	0	0	0	246
Hancock	93	94	0	0	102	18	104	32	0	0	0	443
Hardy	24	32	0	0	41	12	54	7	0	0	0	170
Harrison	287	15	4	0	181	37	326	18	0	0	0	868
Jackson	126	13	0	0	75	25	113	32	0	0	0	384
Jefferson	97	87	1	0	53	26	160	76	0	0	0	500
Kanawha	793	47	2	0	350	119	723	644	0	0	0	2,678
Lewis	100	6	2	0	41	11	90	1	0	0	0	251
Lincoln	108	4	1	0	35	27	98	38	0	0	0	311
Logan	222	41	1	0	55	23	135	78	0	0	0	555
McDowell	121	46	2	0	47	21	124	11	0	0	0	372
Marion	292	18	1	0	174	33	217	8	0	0	0	743
Marshall	137	19	2	0	73	9	129	29	0	0	0	398
Mason	121	39	1	0	67	27	98	21	0	0	0	374
Mercer	341	61	7	0	158	34	262	29	0	0	0	892
Mineral	45	95	0	0	71	13	105	11	0	0	0	340
Mingo	67	85	9	0	31	17	109	28	0	0	0	346
Monongalia	255	21	1	0	152	31	266	6	0	0	0	732
Monroe	29	33	1	0	42	11	56	22	0	0	0	194
Morgan	26	42	0	0	35	14	95	19	0	0	0	231
Nicholas	118	7	1	0	51	16	86	38	0	0	0	317
Ohio	219	33	2	0	118	11	134	54	0	0	0	571
Pendleton	8	23	0	0	24	7	36	0	0	0	0	98
Pleasants	25	16	0	0	20	6	30	0	0	0	0	97
Pocahontas	25	5	0	0	23	6	37	11	0	0	0	107
Preston	133	14	3	0	75	8	151	3	0	0	0	387
Putnam	191	14	4	0	92	23	162	117	0	0	0	603
Raleigh	360	37	2	0	105	53	271	271	0	0	0	1,099
Randolph	108	7	2	0	75	24	136	1	0	0	0	353
Ritchie	42	12	0	0	30	5	44	0	0	0	0	133
Roane	89	3	1	0	24	7	80	32	0	0	0	236
Summers	51	9	2	0	29	8	53	31	0	0	0	183
Taylor	76	5	1	0	32	11	83	0	0	0	0	208
Tucker	22	6	0	0	30	2	37	1	0	0	0	98
Tyler	46	5	0	0	17	9	39	1	0	0	0	117
Upshur	90	3	1	0	48	12	98	2	0	0	0	254
Wayne	156	40	1	0	66	21	178	72	0	0	0	534
Webster	55	3	2	0	17	4	37	8	0	0	0	126
Wetzel	79	12	0	0	40	21	74	9	0	0	0	235
Wirt	20	6	0	0	9	5	23	1	0	0	0	64
Wood	371	108	2	0	248	43	364	2	0	0	0	1,138
Wyoming	102	11	1	0	33	10	103	57	0	0	0	317
Total	7,281	1,514	76	0	3,824	1,115	7,131	2,521	0	0	0	23,462

West Virginia Bureau for Public Health  
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Note: En Route to Hospital includes any patient status listed as Dead On Arrival.

Firearm Injury Deaths by Type of Injury and County  
West Virginia Residents, 2018

Table 71

County	Unintentional	Intentional			Undetermined	Total
		Suicide	Assault	Legal Intervention		
Barbour	0	5	1	0	0	6
Berkeley	0	16	3	0	1	20
Boone	0	2	0	0	0	2
Braxton	0	6	2	0	0	8
Brooke	0	1	0	0	0	1
Cabell	0	5	4	0	1	10
Calhoun	0	0	0	0	0	0
Clay	0	3	0	0	1	4
Doddridge	0	3	0	0	0	3
Fayette	0	3	0	0	1	4
Gilmer	0	1	0	0	0	1
Grant	0	3	0	0	0	3
Greenbrier	2	5	2	0	0	9
Hampshire	0	3	0	0	0	3
Hancock	0	5	1	0	0	6
Hardy	0	4	0	0	0	4
Harrison	1	11	3	1	0	16
Jackson	0	6	2	0	0	8
Jefferson	0	6	0	0	0	6
Kanawha	1	36	14	2	0	53
Lewis	0	3	0	0	0	3
Lincoln	0	6	0	0	1	7
Logan	0	2	2	0	0	4
McDowell	0	5	2	0	0	7
Marion	0	6	7	0	0	13
Marshall	0	8	0	0	0	8
Mason	0	8	1	0	0	9
Mercer	0	5	3	0	0	8
Mineral	0	4	0	0	0	4
Mingo	1	0	1	0	0	2
Monongalia	0	11	1	1	0	13
Monroe	1	3	2	0	0	6
Morgan	0	2	0	0	0	2
Nicholas	0	6	0	0	0	6
Ohio	0	3	1	0	0	4
Pendleton	0	1	0	0	0	1
Pleasants	0	0	0	0	0	0
Pocahontas	0	1	0	0	0	1
Preston	0	3	0	0	0	3
Putnam	0	5	0	0	0	5
Raleigh	0	15	4	0	1	20
Randolph	0	4	1	0	0	5
Ritchie	0	2	1	0	0	3
Roane	0	5	2	0	0	7
Summers	0	0	0	0	0	0
Taylor	0	1	1	0	0	2
Tucker	0	1	0	0	0	1
Tyler	0	2	0	0	0	2
Upshur	0	4	0	0	0	4
Wayne	0	5	2	0	2	9
Webster	0	0	3	0	0	3
Wetzel	0	1	0	0	0	1
Wirt	0	0	0	0	0	0
Wood	1	11	2	0	0	14
Wyoming	0	3	0	0	0	3
Total	7	260	68	4	8	347

West Virginia Bureau for Public Health  
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Motor Vehicle Accident Deaths by County  
Transportation Role of Decedent at the Time of Injury  
West Virginia Residents, 2018  
Table 72

County	Role of Decedent at the Time of Injury				Unknown / Not Reported	Total
	Driver / Operator	Passenger	Pedestrian	Other Roles		
Barbour	1	0	0	0	1	2
Berkeley	8	1	2	0	3	14
Boone	5	2	1	0	0	8
Braxton	5	0	0	0	1	6
Brooke	1	0	0	0	4	5
Cabell	9	0	1	0	2	12
Calhoun	1	0	0	0	0	1
Clay	3	1	0	0	1	5
Doddridge	1	0	0	0	0	1
Fayette	6	3	0	0	1	10
Gilmer	0	0	1	0	0	1
Grant	6	2	0	0	0	8
Greenbrier	2	0	0	0	3	5
Hampshire	3	2	1	0	1	7
Hancock	1	0	0	0	3	4
Hardy	0	1	0	0	1	2
Harrison	5	5	1	0	1	12
Jackson	3	1	0	0	1	5
Jefferson	3	0	1	0	1	5
Kanawha	19	7	8	0	6	40
Lewis	0	0	0	0	1	1
Lincoln	6	1	0	0	0	7
Logan	6	1	0	0	0	7
McDowell	4	0	1	0	3	8
Marion	2	3	0	0	0	5
Marshall	1	0	0	0	0	1
Mason	1	0	0	1	0	2
Mercer	7	3	3	0	2	15
Mineral	4	0	0	0	0	4
Mingo	3	0	1	0	1	5
Monongalia	2	3	1	1	0	7
Monroe	0	1	0	0	4	5
Morgan	1	2	1	0	1	5
Nicholas	4	1	0	0	2	7
Ohio	1	1	0	0	1	3
Pendleton	2	0	0	0	0	2
Pleasants	1	0	0	0	0	1
Pocahontas	1	1	2	0	1	5
Preston	1	3	0	0	0	4
Putnam	6	2	0	0	1	9
Raleigh	10	2	2	0	1	15
Randolph	1	0	0	0	4	5
Ritchie	3	0	0	0	0	3
Roane	2	4	0	0	0	6
Summers	3	0	0	0	2	5
Taylor	2	0	0	0	0	2
Tucker	0	0	0	0	0	0
Tyler	2	0	0	0	0	2
Upshur	2	1	0	0	0	3
Wayne	6	2	2	0	2	12
Webster	1	0	0	0	0	1
Wetzel	5	2	0	0	1	8
Wirt	1	0	0	0	0	1
Wood	9	1	0	0	1	11
Wyoming	1	1	0	0	1	3
Total	183	60	29	2	59	333

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Number and Rate of Resident Infant Deaths by County  
West Virginia, 2014-2018  
Table 73

County	2014		2015		2016		2017		2018	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Barbour	0	0.0	1	6.1	2	11.7	1	6.1	1	6.4
Berkeley	14	10.3	7	5.1	6	4.3	9	6.6	11	7.4
Boone	1	4.2	4	17.2	2	8.3	6	24.5	1	5.0
Braxton	1	6.4	0	0.0	2	17.4	0	0.0	1	8.4
Brooke	0	0.0	2	9.8	1	5.3	3	14.5	2	10.6
Cabell	6	5.4	7	6.4	16	15.4	7	6.8	13	12.9
Calhoun	0	0.0	0	0.0	0	0.0	3	56.6	0	0.0
Clay	1	10.6	0	0.0	0	0.0	1	10.9	1	10.6
Doddridge	2	30.3	0	0.0	0	0.0	0	0.0	0	0.0
Fayette	2	3.9	2	4.0	7	15.5	1	2.3	5	11.9
Gilmer	1	15.4	0	0.0	0	0.0	0	0.0	0	0.0
Grant	0	0.0	1	7.5	1	8.8	0	0.0	0	0.0
Greenbrier	2	6.0	2	5.3	3	8.7	1	2.7	2	6.5
Hampshire	2	8.5	2	8.2	1	5.3	0	0.0	5	21.7
Hancock	3	10.3	1	3.7	0	0.0	1	3.9	1	4.0
Hardy	0	0.0	1	6.7	1	5.9	3	19.0	0	0.0
Harrison	8	10.1	4	5.0	5	6.8	6	8.4	3	4.2
Jackson	1	3.1	6	17.8	2	6.5	1	3.5	2	6.4
Jefferson	2	3.4	3	5.3	1	1.9	2	3.3	2	3.8
Kanawha	11	5.1	4	1.9	14	7.1	17	8.8	15	8.1
Lewis	3	15.0	2	9.6	1	5.3	7	45.8	4	22.7
Lincoln	2	7.4	1	4.2	1	4.1	2	9.0	1	4.4
Logan	1	2.6	4	11.3	3	8.4	3	8.2	4	11.9
McDowell	2	8.9	3	14.2	2	9.0	3	16.0	2	11.1
Marion	4	6.3	5	8.0	4	6.1	5	8.1	3	5.2
Marshall	1	3.0	1	3.2	3	9.8	1	3.4	0	0.0
Mason	1	3.6	2	7.1	1	4.1	8	28.8	2	7.4
Mercer	5	7.1	4	5.4	2	3.0	9	12.7	4	6.1
Mineral	4	13.6	1	3.7	2	7.2	1	3.8	0	0.0
Mingo	5	14.4	1	3.1	1	3.7	2	6.2	1	3.6
Monongalia	9	7.5	8	7.3	10	8.9	5	4.5	13	12.8
Monroe	0	0.0	2	15.4	0	0.0	0	0.0	0	0.0
Morgan	2	13.0	1	7.9	2	13.8	1	6.5	1	7.9
Nicholas	1	3.8	5	18.2	2	7.5	1	3.8	0	0.0
Ohio	0	0.0	5	10.6	3	7.2	3	7.4	3	7.4
Pendleton	0	0.0	0	0.0	0	0.0	0	0.0	1	17.9
Pleasants	0	0.0	1	11.6	0	0.0	0	0.0	0	0.0
Pocahontas	1	13.5	3	36.1	0	0.0	1	13.3	0	0.0
Preston	1	2.8	5	15.5	5	14.8	1	3.1	1	3.0
Putnam	3	4.7	4	6.7	1	1.8	0	0.0	2	3.9
Raleigh	10	11.3	11	13.3	6	7.2	4	5.3	7	8.8
Randolph	4	12.0	4	14.0	2	7.0	1	3.2	1	3.8
Ritchie	3	29.1	0	0.0	0	0.0	0	0.0	0	0.0
Roane	0	0.0	0	0.0	2	15.4	0	0.0	0	0.0
Summers	3	30.6	0	0.0	0	0.0	0	0.0	0	0.0
Taylor	2	12.5	2	10.4	5	29.1	0	0.0	0	0.0
Tucker	2	29.4	1	15.9	1	13.5	1	15.6	1	17.9
Tyler	0	0.0	1	11.9	1	10.5	0	0.0	0	0.0
Upshur	2	7.2	3	12.1	1	3.4	3	12.9	3	12.0
Wayne	2	4.5	2	4.8	4	9.3	3	8.0	1	2.7
Webster	0	0.0	1	12.8	1	11.4	0	0.0	0	0.0
Wetzel	0	0.0	2	11.2	0	0.0	2	13.2	0	0.0
Wirt	1	17.2	0	0.0	0	0.0	0	0.0	0	0.0
Wood	10	9.8	6	6.1	8	8.5	4	4.4	6	6.6
Wyoming	3	12.8	1	4.7	1	5.1	0	0.0	2	10.8
Total	144	7.1	139	7.0	139	7.3	133	7.1	128	7.0

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, 2014-2018  
Table 74

County	2014		2015		2016		2017		2018	
	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*
Barbour	2	11.6	0	0.0	0	0.0	2	12.1	0	0.0
Berkeley	4	2.9	10	7.2	8	5.7	10	7.3	7	4.7
Boone	0	0.0	0	0.0	3	12.4	0	0.0	0	0.0
Braxton	0	0.0	1	5.7	1	8.7	0	0.0	0	0.0
Brooke	0	0.0	0	0.0	0	0.0	2	9.7	0	0.0
Cabell	3	2.7	3	2.8	9	8.7	4	3.9	7	6.9
Calhoun	0	0.0	0	0.0	0	0.0	0	0.0	2	37.7
Clay	0	0.0	1	8.8	0	0.0	0	0.0	0	0.0
Doddridge	1	15.2	0	0.0	1	14.7	0	0.0	0	0.0
Fayette	4	7.9	2	4.0	3	6.6	6	14.0	4	9.5
Gilmer	0	0.0	0	0.0	1	14.7	0	0.0	0	0.0
Grant	0	0.0	0	0.0	0	0.0	1	7.5	2	17.4
Greenbrier	2	6.0	0	0.0	1	2.9	6	16.3	4	13.0
Hampshire	0	0.0	1	4.1	0	0.0	2	9.3	2	8.7
Hancock	2	6.9	0	0.0	2	9.2	2	7.9	3	12.1
Hardy	2	13.5	3	20.1	1	5.9	0	0.0	0	0.0
Harrison	4	5.0	4	5.0	5	6.8	3	4.2	0	0.0
Jackson	2	6.2	2	5.9	0	0.0	0	0.0	3	9.6
Jefferson	0	0.0	3	5.3	3	5.6	2	3.3	1	1.9
Kanawha	5	2.3	10	4.9	13	6.6	9	4.7	11	5.9
Lewis	0	0.0	3	14.4	0	0.0	1	6.5	1	5.7
Lincoln	1	3.7	0	0.0	0	0.0	1	4.5	0	0.0
Logan	2	5.3	1	2.8	0	0.0	0	0.0	3	8.9
McDowell	2	8.9	0	0.0	0	0.0	2	10.7	1	5.6
Marion	3	4.8	1	1.6	0	0.0	6	9.7	5	8.7
Marshall	3	8.9	2	6.3	2	6.5	0	0.0	4	14.3
Mason	2	7.1	0	0.0	0	0.0	1	3.6	2	7.4
Mercer	2	2.8	5	6.8	5	7.6	7	9.9	4	6.1
Mineral	0	0.0	1	3.7	2	7.2	1	3.8	2	8.0
Mingo	2	5.8	3	9.4	1	3.7	1	3.1	1	3.6
Monongalia	5	4.2	2	1.8	4	3.6	2	1.8	3	3.0
Monroe	2	15.9	0	0.0	1	7.6	0	0.0	1	7.9
Morgan	1	6.5	1	7.9	0	0.0	1	6.5	0	0.0
Nicholas	0	0.0	4	14.6	1	3.7	2	7.6	1	4.3
Ohio	0	0.0	2	4.3	3	7.2	1	2.5	0	0.0
Pendleton	0	0.0	1	16.1	1	13.3	1	15.9	1	17.9
Pleasants	0	0.0	0	0.0	0	0.0	2	28.2	1	13.3
Pocahontas	3	40.5	1	12.0	1	11.0	2	26.7	2	26.7
Preston	1	2.8	1	3.1	4	11.9	1	3.1	2	6.0
Putnam	1	1.6	2	3.3	1	1.8	0	0.0	2	3.9
Raleigh	7	7.9	4	4.9	5	6.0	7	9.2	4	5.0
Randolph	2	6.0	0	0.0	0	0.0	3	9.5	2	7.7
Ritchie	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Roane	0	0.0	0	0.0	0	0.0	0	0.0	1	7.5
Summers	4	40.8	1	8.3	0	0.0	1	9.8	1	9.9
Taylor	0	0.0	0	0.0	1	5.8	1	7.1	2	13.7
Tucker	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	0	0.0	0	0.0	1	10.5	1	13.0	0	0.0
Upshur	5	18.1	1	4.0	1	3.4	2	8.6	2	8.0
Wayne	0	0.0	2	4.8	2	4.7	5	13.3	2	5.3
Webster	2	21.3	0	0.0	0	0.0	2	27.8	0	0.0
Wetzel	0	0.0	0	0.0	1	5.9	0	0.0	0	0.0
Wirt	0	0.0	0	0.0	1	18.2	0	0.0	1	18.2
Wood	3	2.9	5	5.1	5	5.3	2	2.2	3	3.3
Wyoming	3	12.8	3	14.2	2	10.2	2	10.4	3	16.2
Total	87	4.3	86	4.3	96	5.0	107	5.7	103	5.6

West Virginia Bureau for Public Health

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

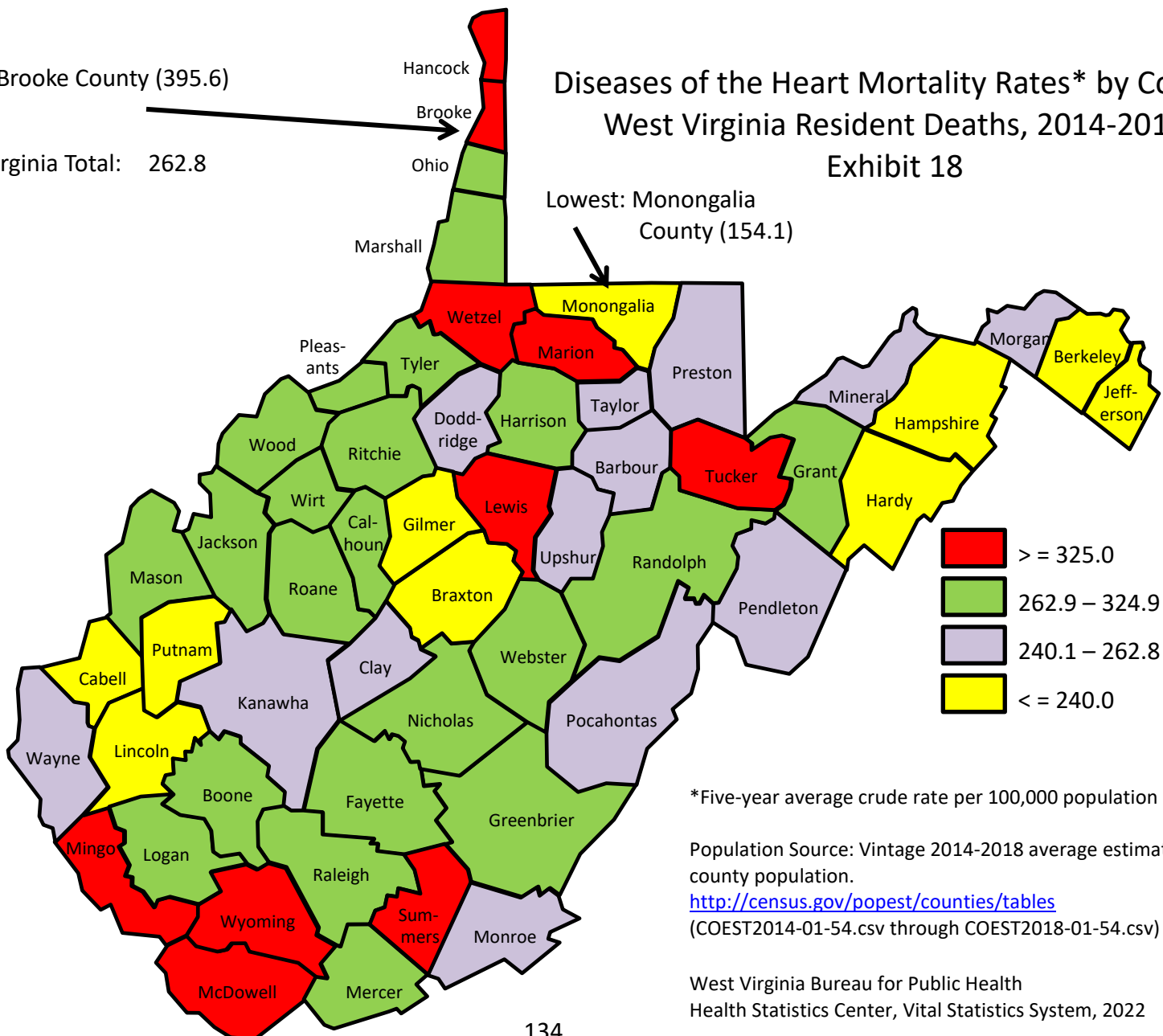
Health Statistics Center, Vital Statistics System, 2022

Highest: Brooke County (395.6)

West Virginia Total: 262.8

### Diseases of the Heart Mortality Rates\* by County West Virginia Resident Deaths, 2014-2018 Exhibit 18

Lowest: Monongalia County (154.1)



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

Population Source: Vintage 2014-2018 average estimated county population.  
<http://census.gov/popest/counties/tables>  
(COEST2014-01-54.csv through COEST2018-01-54.csv)

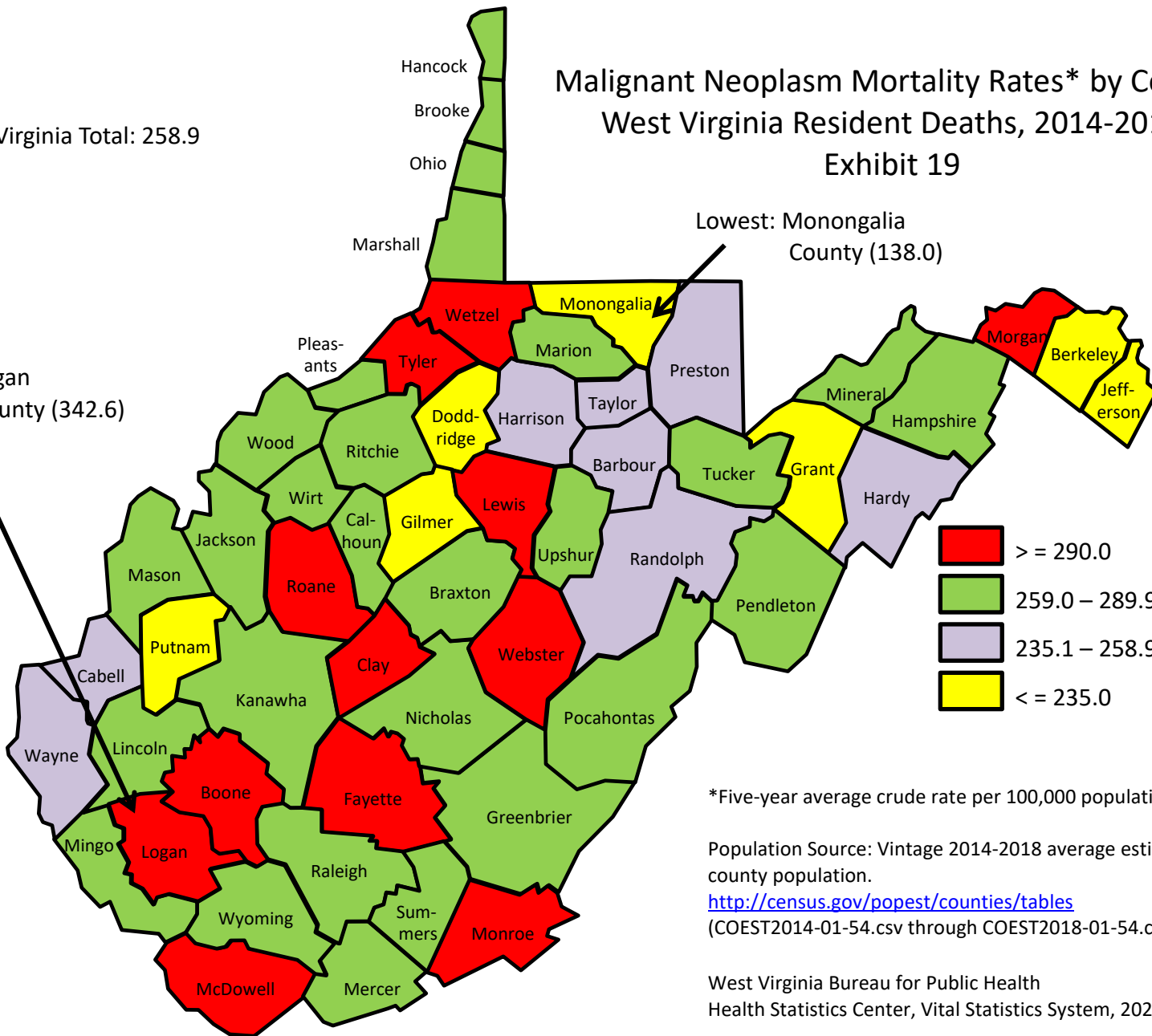
West Virginia Bureau for Public Health  
Health Statistics Center, Vital Statistics System, 2022

# Malignant Neoplasm Mortality Rates\* by County West Virginia Resident Deaths, 2014-2018 Exhibit 19

West Virginia Total: 258.9

Highest: Logan  
County (342.6)

Lowest: Monongalia  
County (138.0)



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

Population Source: Vintage 2014-2018 average estimated county population.

<http://census.gov/popest/counties/tables>  
(COEST2014-01-54.csv through COEST2018-01-54.csv)

West Virginia Bureau for Public Health  
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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75

Selected Causes of Death	Number and Rate by County							
	Barbour		Berkeley		Boone		Braxton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	7	4.7	0	0.0	0	0.0
Total Deaths, All Causes	199	12.0	1,102	9.4	326	14.9	198	14.1
--Deaths Under One Year	1	6.4	11	7.4	1	5.0	1	8.4
--Deaths Under 28 Days	1	6.4	6	4.0	1	5.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	18.1	21	17.9	8	36.4	5	35.5
Human Immunodeficiency Virus Infection	0	0.0	1	0.9	2	9.1	0	0.0
Malignant Neoplasms	43	260.1	243	207.5	64	291.6	37	262.6
--of Digestive Organs	13	78.6	48	41.0	17	77.4	14	99.4
----Colon	5	30.2	17	14.5	4	18.2	3	21.3
----Pancreas	3	18.1	12	10.2	2	9.1	4	28.4
--of Respiratory and Intrathoracic Organs	10	60.5	77	65.7	19	86.6	12	85.2
----Trachea, Bronchus and Lung	10	60.5	72	61.5	19	86.6	11	78.1
--of Breast	3	18.1	17	14.5	6	27.3	0	0.0
--of Genitourinary Organs	6	36.3	36	30.7	10	45.6	5	35.5
----Cervix Uteri	0	0.0	2	1.7	2	9.1	0	0.0
----Ovary	0	0.0	7	6.0	2	9.1	0	0.0
----Prostate	4	24.2	9	7.7	0	0.0	1	7.1
----Bladder	1	6.0	9	7.7	1	4.6	3	21.3
--All Other (Malignant Neoplasms)	11	66.5	65	55.5	12	54.7	6	42.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	3	2.6	2	9.1	2	14.2
Diabetes Mellitus	5	30.2	42	35.9	15	68.3	9	63.9
Dementia	8	48.4	29	24.8	9	41.0	7	49.7
Alzheimer's Disease	8	48.4	24	20.5	11	50.1	1	7.1
Major Cardiovascular Disease	53	320.5	269	229.7	71	323.4	38	269.7
--Diseases of the Heart	39	235.9	200	170.8	56	255.1	33	234.2
----Ischemic Heart Disease	26	157.2	121	103.3	35	159.4	22	156.2
--Essential Hypertension and Hypertensive Renal Disease	5	30.2	13	11.1	2	9.1	1	7.1
--Cerebrovascular Diseases (Stroke)	6	36.3	51	43.5	9	41.0	3	21.3
--Arteriosclerosis	2	12.1	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	6.0	5	4.3	4	18.2	1	7.1
Influenza and Pneumonia	0	0.0	23	19.6	6	27.3	4	28.4
--Influenza	0	0.0	4	3.4	2	9.1	2	14.2
--Pneumonia	0	0.0	19	16.2	4	18.2	2	14.2
Chronic Lower Respiratory Diseases	23	139.1	70	59.8	31	141.2	19	134.9
--Bronchitis, Emphysema and Asthma	0	0.0	4	3.4	0	0.0	4	28.4
Lung Diseases due to External Agents	3	18.1	6	5.1	6	27.3	2	14.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	3	13.7	0	0.0
Chronic Liver Disease and Cirrhosis	4	24.2	13	11.1	7	31.9	4	28.4
Nephritis, Nephrotic Syndrome and Nephrosis	5	30.2	25	21.3	9	41.0	4	28.4
Congenital Malformations	1	6.0	8	6.8	2	9.1	1	7.1
Ill-Defined and Unknown Causes of Death	3	18.1	20	17.1	7	31.9	3	21.3
Accidents, All Forms	10	60.5	109	93.1	37	168.6	22	156.2
--Motor Vehicle	2	12.1	14	12.0	8	36.4	6	42.6
--Falls	3	18.1	22	18.8	2	9.1	2	14.2
--Drownings	0	0.0	1	0.9	2	9.1	0	0.0
--Smoke, Fires and Flames	0	0.0	2	1.7	0	0.0	3	21.3
--Poisonings	3	18.1	64	54.6	24	109.3	6	42.6
--Other Accidents	2	12.1	6	5.1	1	4.6	5	35.5
Intentional Self-Harm (Suicide)	7	42.3	24	20.5	2	9.1	6	42.6
Assault (Homicide)	1	6.0	5	4.3	2	9.1	2	14.2
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.0	4	3.4	1	4.6	1	7.1
All Other Causes (Residual)	21	127.0	163	139.2	34	154.9	31	220.0

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

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Brooke		Cabell		Calhoun		Clay	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	7	6.9	2	37.7	0	0.0
Total Deaths, All Causes	307	13.8	1,338	14.4	109	15.0	136	15.8
--Deaths Under One Year	2	10.6	13	12.9	0	0.0	1	10.6
--Deaths Under 28 Days	1	5.3	10	9.9	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	10	45.0	20	21.5	3	41.4	1	11.6
Human Immunodeficiency Virus Infection	0	0.0	1	1.1	0	0.0	0	0.0
Malignant Neoplasms	56	252.2	228	244.6	24	330.9	25	289.6
--of Digestive Organs	12	54.0	59	63.3	4	55.1	4	46.3
----Colon	4	18.0	19	20.4	2	27.6	0	0.0
----Pancreas	3	13.5	19	20.4	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	21	94.6	73	78.3	9	124.1	10	115.8
----Trachea, Bronchus and Lung	21	94.6	66	70.8	8	110.3	10	115.8
--of Breast	4	18.0	13	13.9	1	13.8	1	11.6
--of Genitourinary Organs	9	40.5	28	30.0	2	27.6	3	34.8
----Cervix Uteri	1	4.5	1	1.1	2	27.6	0	0.0
----Ovary	1	4.5	3	3.2	0	0.0	0	0.0
----Prostate	2	9.0	5	5.4	0	0.0	1	11.6
----Bladder	1	4.5	9	9.7	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	10	45.0	55	59.0	8	110.3	7	81.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	4.5	5	5.4	0	0.0	2	23.2
Diabetes Mellitus	8	36.0	53	56.9	2	27.6	11	127.4
Dementia	18	81.1	74	79.4	2	27.6	7	81.1
Alzheimer's Disease	7	31.5	41	44.0	5	68.9	8	92.7
Major Cardiovascular Disease	98	441.4	321	344.3	32	441.1	36	417.1
--Diseases of the Heart	88	396.3	242	259.6	28	386.0	26	301.2
----Ischemic Heart Disease	65	292.8	150	160.9	18	248.1	13	150.6
--Essential Hypertension and Hypertensive Renal Disease	2	9.0	16	17.2	3	41.4	3	34.8
--Cerebrovascular Diseases (Stroke)	8	36.0	55	59.0	1	13.8	6	69.5
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	8	8.6	0	0.0	1	11.6
Influenza and Pneumonia	14	63.1	22	23.6	2	27.6	2	23.2
--Influenza	1	4.5	7	7.5	2	27.6	0	0.0
--Pneumonia	13	58.6	15	16.1	0	0.0	2	23.2
Chronic Lower Respiratory Diseases	20	90.1	87	93.3	4	55.1	8	92.7
--Bronchitis, Emphysema and Asthma	0	0.0	3	3.2	2	27.6	2	23.2
Lung Diseases due to External Agents	1	4.5	8	8.6	1	13.8	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	4.5	18	19.3	4	55.1	1	11.6
Nephritis, Nephrotic Syndrome and Nephrosis	10	45.0	34	36.5	2	27.6	1	11.6
Congenital Malformations	0	0.0	8	8.6	0	0.0	1	11.6
Ill-Defined and Unknown Causes of Death	4	18.0	23	24.7	0	0.0	3	34.8
Accidents, All Forms	18	81.1	167	179.1	5	68.9	13	150.6
--Motor Vehicle	5	22.5	12	12.9	1	13.8	5	57.9
--Falls	6	27.0	28	30.0	1	13.8	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0	1	11.6
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	7	31.5	116	124.4	3	41.4	5	57.9
--Other Accidents	0	0.0	11	11.8	0	0.0	2	23.2
Intentional Self-Harm (Suicide)	1	4.5	14	15.0	0	0.0	3	34.8
Assault (Homicide)	0	0.0	4	4.3	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	2.1	0	0.0	1	11.6
All Other Causes (Residual)	40	180.2	208	223.1	23	317.1	13	150.6

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (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	4	9.5	0	0.0	2	17.4
Total Deaths, All Causes	77	9.2	626	14.6	92	11.5	146	12.6
--Deaths Under One Year	0	0.0	5	11.9	0	0.0	0	0.0
--Deaths Under 28 Days	0	0.0	3	7.2	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	14	32.5	2	24.9	1	8.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	18	214.1	130	302.2	20	249.2	25	215.0
--of Digestive Organs	4	47.6	27	62.8	3	37.4	4	34.4
----Colon	1	11.9	11	25.6	2	24.9	2	17.2
----Pancreas	2	23.8	4	9.3	1	12.5	1	8.6
--of Respiratory and Intrathoracic Organs	6	71.4	51	118.6	7	87.2	7	60.2
----Trachea, Bronchus and Lung	5	59.5	48	111.6	7	87.2	6	51.6
--of Breast	1	11.9	6	13.9	1	12.5	0	0.0
--of Genitourinary Organs	1	11.9	14	32.5	6	74.8	5	43.0
----Cervix Uteri	0	0.0	0	0.0	1	12.5	2	17.2
----Ovary	0	0.0	4	9.3	2	24.9	1	8.6
----Prostate	1	11.9	3	7.0	1	12.5	1	8.6
----Bladder	0	0.0	2	4.6	1	12.5	1	8.6
--All Other (Malignant Neoplasms)	6	71.4	32	74.4	3	37.4	9	77.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	2.3	0	0.0	0	0.0
Diabetes Mellitus	1	11.9	24	55.8	4	49.8	5	43.0
Dementia	1	11.9	30	69.7	0	0.0	2	17.2
Alzheimer's Disease	2	23.8	12	27.9	4	49.8	2	17.2
Major Cardiovascular Disease	20	237.9	172	399.8	33	411.2	56	481.7
--Diseases of the Heart	16	190.3	133	309.2	27	336.4	37	318.3
----Ischemic Heart Disease	11	130.9	94	218.5	21	261.6	24	206.4
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	4	9.3	3	37.4	2	17.2
--Cerebrovascular Diseases (Stroke)	3	35.7	33	76.7	2	24.9	7	60.2
--Arteriosclerosis	0	0.0	1	2.3	0	0.0	6	51.6
--Other Diseases of Arteries, Arterioles and Capillaries	1	11.9	1	2.3	1	12.5	4	34.4
Influenza and Pneumonia	2	23.8	18	41.8	1	12.5	1	8.6
--Influenza	1	11.9	3	7.0	0	0.0	0	0.0
--Pneumonia	1	11.9	15	34.9	1	12.5	1	8.6
Chronic Lower Respiratory Diseases	3	35.7	38	88.3	9	112.1	9	77.4
--Bronchitis, Emphysema and Asthma	0	0.0	4	9.3	0	0.0	0	0.0
Lung Diseases due to External Agents	0	0.0	4	9.3	0	0.0	1	8.6
--Coal Worker's Pneumoconiosis	0	0.0	2	4.6	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	35.7	4	9.3	2	24.9	1	8.6
Nephritis, Nephrotic Syndrome and Nephrosis	2	23.8	7	16.3	0	0.0	4	34.4
Congenital Malformations	0	0.0	2	4.6	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	11.9	6	13.9	0	0.0	5	43.0
Accidents, All Forms	5	59.5	54	125.5	2	24.9	16	137.6
--Motor Vehicle	1	11.9	10	23.2	1	12.5	8	68.8
--Falls	2	23.8	14	32.5	0	0.0	0	0.0
--Drownings	0	0.0	1	2.3	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	1	2.3	0	0.0	0	0.0
--Poisonings	0	0.0	24	55.8	1	12.5	6	51.6
--Other Accidents	2	23.8	4	9.3	0	0.0	2	17.2
Intentional Self-Harm (Suicide)	3	35.7	6	13.9	1	12.5	3	25.8
Assault (Homicide)	0	0.0	1	2.3	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	4.6	0	0.0	2	17.2
All Other Causes (Residual)	16	190.3	101	234.8	14	174.4	13	111.8

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (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	4	13.0	2	8.7	3	12.1	0	0.0
Total Deaths, All Causes	503	14.5	246	10.5	443	15.2	170	12.3
--Deaths Under One Year	2	6.5	5	21.7	1	4.0	0	0.0
--Deaths Under 28 Days	2	6.5	2	8.7	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	8	23.0	1	4.3	8	27.5	3	21.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	89	255.9	59	252.7	86	295.6	37	268.6
--of Digestive Organs	21	60.4	13	55.7	27	92.8	8	58.1
----Colon	12	34.5	2	8.6	4	13.7	2	14.5
----Pancreas	1	2.9	5	21.4	9	30.9	1	7.3
--of Respiratory and Intrathoracic Organs	25	71.9	18	77.1	26	89.4	11	79.9
----Trachea, Bronchus and Lung	23	66.1	17	72.8	25	85.9	11	79.9
--of Breast	6	17.2	3	12.8	3	10.3	3	21.8
--of Genitourinary Organs	12	34.5	8	34.3	12	41.2	5	36.3
----Cervix Uteri	0	0.0	0	0.0	1	3.4	0	0.0
----Ovary	1	2.9	1	4.3	3	10.3	0	0.0
----Prostate	5	14.4	4	17.1	3	10.3	1	7.3
----Bladder	3	8.6	1	4.3	1	3.4	2	14.5
--All Other (Malignant Neoplasms)	25	71.9	17	72.8	18	61.9	10	72.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	5.7	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	18	51.7	17	72.8	20	68.7	2	14.5
Dementia	27	77.6	10	42.8	19	65.3	2	14.5
Alzheimer's Disease	18	51.7	6	25.7	2	6.9	3	21.8
Major Cardiovascular Disease	116	333.5	51	218.4	137	470.9	55	399.3
--Diseases of the Heart	88	253.0	45	192.7	115	395.3	37	268.6
----Ischemic Heart Disease	49	140.9	34	145.6	80	275.0	22	159.7
--Essential Hypertension and Hypertensive Renal Disease	4	11.5	0	0.0	2	6.9	2	14.5
--Cerebrovascular Diseases (Stroke)	20	57.5	4	17.1	16	55.0	12	87.1
--Arteriosclerosis	0	0.0	1	4.3	1	3.4	1	7.3
--Other Diseases of Arteries, Arterioles and Capillaries	4	11.5	1	4.3	3	10.3	3	21.8
Influenza and Pneumonia	15	43.1	2	8.6	18	61.9	3	21.8
--Influenza	5	14.4	1	4.3	0	0.0	0	0.0
--Pneumonia	10	28.7	1	4.3	18	61.9	3	21.8
Chronic Lower Respiratory Diseases	37	106.4	22	94.2	18	61.9	7	50.8
--Bronchitis, Emphysema and Asthma	6	17.2	3	12.8	1	3.4	0	0.0
Lung Diseases due to External Agents	9	25.9	0	0.0	5	17.2	2	14.5
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	12	34.5	1	4.3	8	27.5	1	7.3
Nephritis, Nephrotic Syndrome and Nephrosis	15	43.1	7	30.0	8	27.5	3	21.8
Congenital Malformations	2	5.7	0	0.0	1	3.4	0	0.0
Ill-Defined and Unknown Causes of Death	7	20.1	3	12.8	17	58.4	14	101.6
Accidents, All Forms	30	86.2	31	132.8	29	99.7	11	79.9
--Motor Vehicle	5	14.4	7	30.0	4	13.7	2	14.5
--Falls	8	23.0	7	30.0	9	30.9	1	7.3
--Drownings	2	5.7	1	4.3	1	3.4	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	3	10.3	0	0.0
--Poisonings	11	31.6	14	60.0	12	41.2	6	43.6
--Other Accidents	4	11.5	2	8.6	0	0.0	2	14.5
Intentional Self-Harm (Suicide)	9	25.9	3	12.8	6	20.6	4	29.0
Assault (Homicide)	3	8.6	0	0.0	1	3.4	1	7.3
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	3	12.8	0	0.0	0	0.0
All Other Causes (Residual)	86	247.2	30	128.5	60	206.2	22	159.7

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (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	0	0.0	3	9.6	1	1.9	11	5.9
Total Deaths, All Causes	868	12.8	384	13.4	500	8.8	2,678	14.8
--Deaths Under One Year	3	4.2	2	6.4	2	3.8	15	8.1
--Deaths Under 28 Days	2	2.8	1	3.2	2	3.8	7	3.8
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	14	20.7	3	10.5	4	7.0	47	26.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	4	2.2
Malignant Neoplasms	184	272.4	71	247.3	115	202.4	483	267.7
--of Digestive Organs	48	71.1	17	59.2	28	49.3	109	60.4
----Colon	22	32.6	5	17.4	10	17.6	27	15.0
----Pancreas	10	14.8	6	20.9	9	15.8	29	16.1
--of Respiratory and Intrathoracic Organs	42	62.2	16	55.7	32	56.3	144	79.8
----Trachea, Bronchus and Lung	42	62.2	16	55.7	32	56.3	141	78.1
--of Breast	10	14.8	6	20.9	5	8.8	33	18.3
--of Genitourinary Organs	26	38.5	15	52.3	17	29.9	79	43.8
----Cervix Uteri	2	3.0	0	0.0	0	0.0	4	2.2
----Ovary	4	5.9	3	10.5	4	7.0	8	4.4
----Prostate	1	1.5	5	17.4	5	8.8	25	13.9
----Bladder	9	13.3	3	10.5	3	5.3	19	10.5
--All Other (Malignant Neoplasms)	58	85.9	17	59.2	33	58.1	118	65.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	4.4	1	3.5	4	7.0	13	7.2
Diabetes Mellitus	39	57.7	25	87.1	18	31.7	86	47.7
Dementia	11	16.3	8	27.9	17	29.9	121	67.1
Alzheimer's Disease	37	54.8	22	76.6	10	17.6	154	85.3
Major Cardiovascular Disease	272	402.6	109	379.7	139	244.7	668	370.2
--Diseases of the Heart	201	297.5	73	254.3	105	184.8	507	281.0
----Ischemic Heart Disease	151	223.5	44	153.3	67	117.9	304	168.5
--Essential Hypertension and Hypertensive Renal Disease	11	16.3	8	27.9	4	7.0	24	13.3
--Cerebrovascular Diseases (Stroke)	32	47.4	21	73.2	28	49.3	114	63.2
--Arteriosclerosis	27	40.0	2	7.0	0	0.0	1	0.6
--Other Diseases of Arteries, Arterioles and Capillaries	1	1.5	5	17.4	2	3.5	22	12.2
Influenza and Pneumonia	13	19.2	10	34.8	12	21.1	53	29.4
--Influenza	6	8.9	1	3.5	0	0.0	14	7.8
--Pneumonia	7	10.4	9	31.4	12	21.1	39	21.6
Chronic Lower Respiratory Diseases	63	93.3	27	94.1	24	42.2	202	111.9
--Bronchitis, Emphysema and Asthma	1	1.5	1	3.5	2	3.5	13	7.2
Lung Diseases due to External Agents	3	4.4	1	3.5	1	1.8	19	10.5
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	0.6
Chronic Liver Disease and Cirrhosis	12	17.8	6	20.9	4	7.0	44	24.4
Nephritis, Nephrotic Syndrome and Nephrosis	11	16.3	8	27.9	6	10.6	65	36.0
Congenital Malformations	1	1.5	0	0.0	1	1.8	8	4.4
Ill-Defined and Unknown Causes of Death	15	22.2	7	24.4	11	19.4	41	22.7
Accidents, All Forms	48	71.1	17	59.2	42	73.9	230	127.5
--Motor Vehicle	12	17.8	5	17.4	5	8.8	40	22.2
--Falls	10	14.8	3	10.5	8	14.1	56	31.0
--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	19	28.1	7	24.4	25	44.0	114	63.2
--Other Accidents	5	7.4	2	7.0	3	5.3	16	8.9
Intentional Self-Harm (Suicide)	21	31.1	9	31.4	10	17.6	56	31.0
Assault (Homicide)	6	8.9	2	7.0	0	0.0	22	12.2
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	3.5	3	1.7
All Other Causes (Residual)	115	170.2	58	202.0	80	140.8	359	198.9

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



Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Lewis		Lincoln		Logan		McDowell	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	5.7	0	0.0	3	8.9	1	5.6
Total Deaths, All Causes	251	15.7	311	15.1	555	17.0	372	20.4
--Deaths Under One Year	4	22.7	1	4.4	4	11.9	2	11.1
--Deaths Under 28 Days	4	22.7	1	4.4	2	6.0	2	11.1
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	12.5	5	24.3	15	46.0	8	43.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	3.1	0	0.0
Malignant Neoplasms	63	393.2	63	305.8	117	358.8	69	378.6
--of Digestive Organs	15	93.6	14	68.0	29	88.9	25	137.2
----Colon	4	25.0	4	19.4	7	21.5	13	71.3
----Pancreas	4	25.0	1	4.9	13	39.9	1	5.5
--of Respiratory and Intrathoracic Organs	12	74.9	15	72.8	31	95.1	20	109.8
----Trachea, Bronchus and Lung	12	74.9	14	68.0	28	85.9	20	109.8
--of Breast	4	25.0	4	19.4	8	24.5	2	11.0
--of Genitourinary Organs	11	68.6	6	29.1	14	42.9	7	38.4
----Cervix Uteri	1	6.2	0	0.0	1	3.1	0	0.0
----Ovary	1	6.2	1	4.9	5	15.3	0	0.0
----Prostate	6	37.4	2	9.7	3	9.2	1	5.5
----Bladder	1	6.2	2	9.7	2	6.1	2	11.0
--All Other (Malignant Neoplasms)	21	131.1	24	116.5	35	107.3	15	82.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	3	9.2	1	5.5
Diabetes Mellitus	11	68.6	13	63.1	30	92.0	15	82.3
Dementia	2	12.5	16	77.7	19	58.3	16	87.8
Alzheimer's Disease	10	62.4	11	53.4	16	49.1	3	16.5
Major Cardiovascular Disease	73	455.6	74	359.2	151	463.1	92	504.9
--Diseases of the Heart	58	362.0	54	262.1	111	340.4	74	406.1
----Ischemic Heart Disease	46	287.1	37	179.6	66	202.4	47	257.9
--Essential Hypertension and Hypertensive Renal Disease	5	31.2	5	24.3	8	24.5	6	32.9
--Cerebrovascular Diseases (Stroke)	6	37.4	13	63.1	30	92.0	11	60.4
--Arteriosclerosis	1	6.2	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	3	18.7	2	9.7	2	6.1	1	5.5
Influenza and Pneumonia	9	56.2	9	43.7	9	27.6	12	65.9
--Influenza	2	12.5	2	9.7	2	6.1	2	11.0
--Pneumonia	7	43.7	7	34.0	7	21.5	10	54.9
Chronic Lower Respiratory Diseases	22	137.3	32	155.3	51	156.4	30	164.6
--Bronchitis, Emphysema and Asthma	1	6.2	4	19.4	1	3.1	0	0.0
Lung Diseases due to External Agents	0	0.0	2	9.7	5	15.3	2	11.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	3	9.2	1	5.5
Chronic Liver Disease and Cirrhosis	2	12.5	2	9.7	9	27.6	5	27.4
Nephritis, Nephrotic Syndrome and Nephrosis	3	18.7	6	29.1	7	21.5	8	43.9
Congenital Malformations	2	12.5	2	9.7	2	6.1	0	0.0
Ill-Defined and Unknown Causes of Death	3	18.7	5	24.3	4	12.3	4	22.0
Accidents, All Forms	14	87.4	25	121.4	40	122.7	33	181.1
--Motor Vehicle	1	6.2	7	34.0	7	21.5	8	43.9
--Falls	3	18.7	4	19.4	6	18.4	4	22.0
--Drownings	0	0.0	0	0.0	1	3.1	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	2	6.1	0	0.0
--Poisonings	6	37.4	12	58.3	20	61.3	15	82.3
--Other Accidents	4	25.0	2	9.7	4	12.3	6	32.9
Intentional Self-Harm (Suicide)	3	18.7	7	34.0	4	12.3	9	49.4
Assault (Homicide)	0	0.0	0	0.0	2	6.1	3	16.5
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	9.7	0	0.0	1	5.5
All Other Causes (Residual)	32	199.7	37	179.6	70	214.7	61	334.7

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (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	5	8.7	4	14.3	2	7.4	4	6.1
Total Deaths, All Causes	743	13.2	398	12.9	374	14.0	892	15.1
--Deaths Under One Year	3	5.2	0	0.0	2	7.4	4	6.1
--Deaths Under 28 Days	1	1.7	0	0.0	0	0.0	1	1.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	20	35.7	6	19.5	8	29.9	9	15.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	137	244.2	72	233.9	74	277.0	173	292.6
--of Digestive Organs	42	74.9	24	78.0	21	78.6	44	74.4
----Colon	14	25.0	8	26.0	11	41.2	18	30.4
----Pancreas	13	23.2	7	22.7	1	3.7	7	11.8
--of Respiratory and Intrathoracic Organs	29	51.7	24	78.0	25	93.6	46	77.8
----Trachea, Bronchus and Lung	29	51.7	24	78.0	24	89.8	46	77.8
--of Breast	6	10.7	5	16.2	6	22.5	17	28.7
--of Genitourinary Organs	18	32.1	9	29.2	7	26.2	15	25.4
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	2	3.6	1	3.2	1	3.7	3	5.1
----Prostate	5	8.9	5	16.2	1	3.7	6	10.1
----Bladder	5	8.9	1	3.2	0	0.0	1	1.7
--All Other (Malignant Neoplasms)	42	74.9	10	32.5	15	56.1	51	86.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	3.6	2	6.5	5	18.7	4	6.8
Diabetes Mellitus	31	55.3	10	32.5	16	59.9	40	67.6
Dementia	26	46.3	16	52.0	17	63.6	52	87.9
Alzheimer's Disease	18	32.1	18	58.5	11	41.2	22	37.2
Major Cardiovascular Disease	260	463.5	129	419.0	107	400.5	241	407.6
--Diseases of the Heart	223	397.5	99	321.6	83	310.7	195	329.8
----Ischemic Heart Disease	172	306.6	63	204.6	55	205.9	107	181.0
--Essential Hypertension and Hypertensive Renal Disease	5	8.9	4	13.0	3	11.2	7	11.8
--Cerebrovascular Diseases (Stroke)	27	48.1	23	74.7	17	63.6	32	54.1
--Arteriosclerosis	2	3.6	0	0.0	1	3.7	1	1.7
--Other Diseases of Arteries, Arterioles and Capillaries	3	5.3	3	9.7	3	11.2	6	10.1
Influenza and Pneumonia	17	30.3	13	42.2	6	22.5	19	32.1
--Influenza	4	7.1	3	9.7	1	3.7	2	3.4
--Pneumonia	13	23.2	10	32.5	5	18.7	17	28.7
Chronic Lower Respiratory Diseases	58	103.4	37	120.2	18	67.4	72	121.8
--Bronchitis, Emphysema and Asthma	0	0.0	1	3.2	0	0.0	2	3.4
Lung Diseases due to External Agents	3	5.3	2	6.5	2	7.5	4	6.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	1.7
Chronic Liver Disease and Cirrhosis	7	12.5	2	6.5	9	33.7	13	22.0
Nephritis, Nephrotic Syndrome and Nephrosis	12	21.4	9	29.2	5	18.7	14	23.7
Congenital Malformations	0	0.0	0	0.0	0	0.0	1	1.7
Ill-Defined and Unknown Causes of Death	3	5.3	4	13.0	8	29.9	13	22.0
Accidents, All Forms	41	73.1	18	58.5	25	93.6	68	115.0
--Motor Vehicle	5	8.9	1	3.2	2	7.5	15	25.4
--Falls	17	30.3	8	26.0	3	11.2	11	18.6
--Drownings	0	0.0	0	0.0	1	3.7	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	1	1.7
--Poisonings	15	26.7	8	26.0	14	52.4	35	59.2
--Other Accidents	4	7.1	1	3.2	5	18.7	6	10.1
Intentional Self-Harm (Suicide)	13	23.2	12	39.0	10	37.4	10	16.9
Assault (Homicide)	7	12.5	0	0.0	1	3.7	5	8.5
Injury Undetermined Whether Accidental or Purposely Inflicted	2	3.6	0	0.0	1	3.7	0	0.0
All Other Causes (Residual)	86	153.3	48	155.9	51	190.9	132	223.2

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Mineral		Mingo		Monongalia		Monroe	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	8.0	1	3.6	3	3.0	1	7.9
Total Deaths, All Causes	340	12.6	346	14.5	732	6.9	194	14.6
--Deaths Under One Year	0	0.0	1	3.6	13	12.8	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	7	6.9	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	7.4	10	42.0	14	13.2	3	22.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	81	300.7	68	285.9	154	144.7	35	263.6
--of Digestive Organs	22	81.7	16	67.3	42	39.5	10	75.3
----Colon	4	14.8	4	16.8	11	10.3	5	37.7
----Pancreas	4	14.8	3	12.6	17	16.0	2	15.1
--of Respiratory and Intrathoracic Organs	22	81.7	27	113.5	40	37.6	11	82.8
----Trachea, Bronchus and Lung	21	78.0	27	113.5	37	34.8	11	82.8
--of Breast	7	26.0	3	12.6	14	13.2	3	22.6
--of Genitourinary Organs	10	37.1	8	33.6	20	18.8	6	45.2
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	7.5
----Ovary	2	7.4	2	8.4	4	3.8	2	15.1
----Prostate	4	14.8	2	8.4	3	2.8	0	0.0
----Bladder	0	0.0	1	4.2	2	1.9	1	7.5
--All Other (Malignant Neoplasms)	20	74.2	14	58.9	38	35.7	5	37.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	4	16.8	5	4.7	0	0.0
Diabetes Mellitus	16	59.4	11	46.2	25	23.5	5	37.7
Dementia	7	26.0	4	16.8	37	34.8	16	120.5
Alzheimer's Disease	7	26.0	15	63.1	36	33.8	3	22.6
Major Cardiovascular Disease	95	352.6	111	466.7	200	187.9	57	429.2
--Diseases of the Heart	71	263.5	92	386.8	148	139.1	44	331.3
----Ischemic Heart Disease	43	159.6	62	260.7	105	98.7	27	203.3
--Essential Hypertension and Hypertensive Renal Disease	3	11.1	3	12.6	14	13.2	2	15.1
--Cerebrovascular Diseases (Stroke)	18	66.8	14	58.9	34	31.9	7	52.7
--Arteriosclerosis	1	3.7	0	0.0	2	1.9	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	7.4	2	8.4	2	1.9	4	30.1
Influenza and Pneumonia	12	44.5	10	42.0	12	11.3	4	30.1
--Influenza	1	3.7	1	4.2	1	0.9	1	7.5
--Pneumonia	11	40.8	9	37.8	11	10.3	3	22.6
Chronic Lower Respiratory Diseases	23	85.4	36	151.4	48	45.1	7	52.7
--Bronchitis, Emphysema and Asthma	4	14.8	1	4.2	2	1.9	0	0.0
Lung Diseases due to External Agents	3	11.1	3	12.6	9	8.5	1	7.5
--Coal Worker's Pneumoconiosis	0	0.0	2	8.4	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	8	29.7	6	25.2	8	7.5	4	30.1
Nephritis, Nephrotic Syndrome and Nephrosis	13	48.3	6	25.2	14	13.2	6	45.2
Congenital Malformations	1	3.7	0	0.0	2	1.9	2	15.1
Ill-Defined and Unknown Causes of Death	4	14.8	5	21.0	9	8.5	1	7.5
Accidents, All Forms	17	63.1	18	75.7	43	40.4	18	135.5
--Motor Vehicle	4	14.8	5	21.0	7	6.6	5	37.7
--Falls	3	11.1	2	8.4	10	9.4	7	52.7
--Drownings	1	3.7	1	4.2	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	0.9	0	0.0
--Poisonings	7	26.0	7	29.4	22	20.7	3	22.6
--Other Accidents	2	7.4	3	12.6	3	2.8	3	22.6
Intentional Self-Harm (Suicide)	6	22.3	2	8.4	18	16.9	3	22.6
Assault (Homicide)	0	0.0	1	4.2	1	0.9	2	15.1
Injury Undetermined Whether Accidental or Purposely Inflicted	4	14.8	0	0.0	1	0.9	0	0.0
All Other Causes (Residual)	41	152.2	36	151.4	96	90.2	27	203.3

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Morgan		Nicholas		Ohio		Pendleton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	1	4.3	0	0.0	1	17.9
Total Deaths, All Causes	231	13.0	317	12.8	571	13.7	98	14.0
--Deaths Under One Year	1	7.9	0	0.0	3	7.4	1	17.9
--Deaths Under 28 Days	1	7.9	0	0.0	3	7.4	1	17.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	5.6	3	12.1	9	21.6	1	14.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	63	354.2	58	233.5	106	253.9	24	343.0
--of Digestive Organs	24	134.9	16	64.4	32	76.6	6	85.8
----Colon	6	33.7	8	32.2	9	21.6	2	28.6
----Pancreas	7	39.4	3	12.1	10	23.9	0	0.0
--of Respiratory and Intrathoracic Organs	15	84.3	15	60.4	40	95.8	3	42.9
----Trachea, Bronchus and Lung	15	84.3	15	60.4	40	95.8	3	42.9
--of Breast	5	28.1	5	20.1	5	12.0	0	0.0
--of Genitourinary Organs	7	39.4	8	32.2	7	16.8	6	85.8
----Cervix Uteri	0	0.0	1	4.0	0	0.0	0	0.0
----Ovary	2	11.2	2	8.1	0	0.0	1	14.3
----Prostate	1	5.6	2	8.1	2	4.8	3	42.9
----Bladder	2	11.2	2	8.1	3	7.2	1	14.3
--All Other (Malignant Neoplasms)	12	67.5	14	56.4	22	52.7	9	128.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	11.2	5	20.1	4	9.6	0	0.0
Diabetes Mellitus	13	73.1	11	44.3	26	62.3	6	85.8
Dementia	8	45.0	20	80.5	33	79.0	2	28.6
Alzheimer's Disease	9	50.6	7	28.2	12	28.7	4	57.2
Major Cardiovascular Disease	56	314.8	90	362.3	163	390.4	31	443.0
--Diseases of the Heart	44	247.4	64	257.6	129	308.9	19	271.5
----Ischemic Heart Disease	25	140.6	35	140.9	80	191.6	9	128.6
--Essential Hypertension and Hypertensive Renal Disease	2	11.2	4	16.1	5	12.0	2	28.6
--Cerebrovascular Diseases (Stroke)	7	39.4	19	76.5	27	64.7	9	128.6
--Arteriosclerosis	2	11.2	1	4.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	5.6	2	8.1	2	4.8	1	14.3
Influenza and Pneumonia	8	45.0	10	40.3	30	71.8	1	14.3
--Influenza	2	11.2	1	4.0	10	23.9	0	0.0
--Pneumonia	6	33.7	9	36.2	20	47.9	1	14.3
Chronic Lower Respiratory Diseases	12	67.5	19	76.5	33	79.0	3	42.9
--Bronchitis, Emphysema and Asthma	0	0.0	2	8.1	1	2.4	0	0.0
Lung Diseases due to External Agents	0	0.0	2	8.1	6	14.4	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	22.5	2	8.1	9	21.6	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	5	28.1	10	40.3	14	33.5	0	0.0
Congenital Malformations	0	0.0	1	4.0	4	9.6	0	0.0
Ill-Defined and Unknown Causes of Death	2	11.2	1	4.0	5	12.0	0	0.0
Accidents, All Forms	18	101.2	18	72.5	35	83.8	8	114.3
--Motor Vehicle	5	28.1	7	28.2	3	7.2	2	28.6
--Falls	4	22.5	6	24.2	9	21.6	1	14.3
--Drownings	0	0.0	0	0.0	0	0.0	1	14.3
--Smoke, Fires and Flames	0	0.0	0	0.0	1	2.4	0	0.0
--Poisonings	8	45.0	3	12.1	19	45.5	2	28.6
--Other Accidents	1	5.6	2	8.1	3	7.2	2	28.6
Intentional Self-Harm (Suicide)	2	11.2	6	24.2	9	21.6	1	14.3
Assault (Homicide)	0	0.0	0	0.0	2	4.8	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)	28	157.4	54	217.4	71	170.0	17	243.0

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Pleasants		Pocahontas		Preston		Putnam	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	13.3	2	26.7	2	6.0	2	3.9
Total Deaths, All Causes	97	12.9	107	12.7	387	11.4	603	10.6
--Deaths Under One Year	0	0.0	0	0.0	1	3.0	2	3.9
--Deaths Under 28 Days	0	0.0	0	0.0	1	3.0	1	1.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	13.3	3	35.7	3	8.9	7	12.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	20	266.4	26	309.0	88	260.1	122	215.2
--of Digestive Organs	3	40.0	9	107.0	20	59.1	16	28.2
----Colon	0	0.0	3	35.7	5	14.8	5	8.8
----Pancreas	2	26.6	4	47.5	4	11.8	7	12.3
--of Respiratory and Intrathoracic Organs	7	93.2	8	95.1	24	70.9	41	72.3
----Trachea, Bronchus and Lung	7	93.2	8	95.1	24	70.9	40	70.6
--of Breast	1	13.3	1	11.9	7	20.7	7	12.3
--of Genitourinary Organs	4	53.3	3	35.7	14	41.4	24	42.3
----Cervix Uteri	0	0.0	0	0.0	1	3.0	0	0.0
----Ovary	0	0.0	1	11.9	2	5.9	3	5.3
----Prostate	0	0.0	0	0.0	5	14.8	6	10.6
----Bladder	0	0.0	1	11.9	3	8.9	8	14.1
--All Other (Malignant Neoplasms)	5	66.6	5	59.4	23	68.0	34	60.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	4	11.8	6	10.6
Diabetes Mellitus	6	79.9	7	83.2	28	82.7	22	38.8
Dementia	4	53.3	1	11.9	6	17.7	35	61.7
Alzheimer's Disease	11	146.5	1	11.9	9	26.6	30	52.9
Major Cardiovascular Disease	25	333.0	32	380.3	107	316.2	174	307.0
--Diseases of the Heart	23	306.4	23	273.4	81	239.4	144	254.0
----Ischemic Heart Disease	15	199.8	14	166.4	55	162.5	106	187.0
--Essential Hypertension and Hypertensive Renal Disease	1	13.3	0	0.0	6	17.7	3	5.3
--Cerebrovascular Diseases (Stroke)	1	13.3	7	83.2	16	47.3	22	38.8
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	23.8	4	11.8	5	8.8
Influenza and Pneumonia	1	13.3	3	35.7	12	35.5	13	22.9
--Influenza	1	13.3	1	11.9	2	5.9	2	3.5
--Pneumonia	0	0.0	2	23.8	10	29.6	11	19.4
Chronic Lower Respiratory Diseases	6	79.9	6	71.3	35	103.4	31	54.7
--Bronchitis, Emphysema and Asthma	0	0.0	1	11.9	2	5.9	5	8.8
Lung Diseases due to External Agents	0	0.0	0	0.0	4	11.8	2	3.5
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	3.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	13.3	1	11.9	8	23.6	6	10.6
Nephritis, Nephrotic Syndrome and Nephrosis	2	26.6	3	35.7	7	20.7	12	21.2
Congenital Malformations	0	0.0	0	0.0	0	0.0	2	3.5
Ill-Defined and Unknown Causes of Death	1	13.3	0	0.0	5	14.8	6	10.6
Accidents, All Forms	7	93.2	9	107.0	12	35.5	43	75.9
--Motor Vehicle	1	13.3	5	59.4	4	11.8	9	15.9
--Falls	3	40.0	2	23.8	3	8.9	10	17.6
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	1	11.9	0	0.0	0	0.0
--Poisonings	3	40.0	1	11.9	3	8.9	21	37.0
--Other Accidents	0	0.0	0	0.0	2	5.9	3	5.3
Intentional Self-Harm (Suicide)	0	0.0	2	23.8	7	20.7	9	15.9
Assault (Homicide)	0	0.0	0	0.0	4	11.8	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	3	5.3
All Other Causes (Residual)	12	159.9	13	154.5	48	141.8	80	141.1

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (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	4	5.0	2	7.7	0	0.0	1	7.5
Total Deaths, All Causes	1,099	14.8	353	12.2	133	13.7	236	16.9
--Deaths Under One Year	7	8.8	1	3.8	0	0.0	0	0.0
--Deaths Under 28 Days	6	7.5	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	21	28.3	1	3.5	2	20.6	3	21.5
Human Immunodeficiency Virus Infection	2	2.7	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	187	251.8	79	274.1	27	277.7	64	459.4
--of Digestive Organs	40	53.9	17	59.0	5	51.4	18	129.2
----Colon	15	20.2	4	13.9	3	30.9	6	43.1
----Pancreas	4	5.4	3	10.4	0	0.0	5	35.9
--of Respiratory and Intrathoracic Organs	55	74.1	26	90.2	5	51.4	27	193.8
----Trachea, Bronchus and Lung	52	70.0	26	90.2	5	51.4	25	179.4
--of Breast	15	20.2	5	17.3	3	30.9	3	21.5
--of Genitourinary Organs	22	29.6	17	59.0	5	51.4	2	14.4
----Cervix Uteri	2	2.7	0	0.0	0	0.0	1	7.2
----Ovary	2	2.7	2	6.9	0	0.0	0	0.0
----Prostate	9	12.1	4	13.9	3	30.9	0	0.0
----Bladder	3	4.0	5	17.3	1	10.3	1	7.2
--All Other (Malignant Neoplasms)	55	74.1	14	48.6	9	92.6	14	100.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	8	10.8	0	0.0	2	20.6	3	21.5
Diabetes Mellitus	46	61.9	8	27.8	3	30.9	2	14.4
Dementia	33	44.4	17	59.0	1	10.3	12	86.1
Alzheimer's Disease	7	9.4	21	72.9	9	92.6	15	107.7
Major Cardiovascular Disease	329	443.1	104	360.8	38	390.9	53	380.4
--Diseases of the Heart	258	347.5	79	274.1	27	277.7	39	279.9
----Ischemic Heart Disease	179	241.1	52	180.4	24	246.9	23	165.1
--Essential Hypertension and Hypertensive Renal Disease	15	20.2	6	20.8	1	10.3	1	7.2
--Cerebrovascular Diseases (Stroke)	46	61.9	17	59.0	10	102.9	10	71.8
--Arteriosclerosis	0	0.0	1	3.5	0	0.0	1	7.2
--Other Diseases of Arteries, Arterioles and Capillaries	10	13.5	1	3.5	0	0.0	2	14.4
Influenza and Pneumonia	13	17.5	12	41.6	3	30.9	6	43.1
--Influenza	6	8.1	2	6.9	0	0.0	2	14.4
--Pneumonia	7	9.4	10	34.7	3	30.9	4	28.7
Chronic Lower Respiratory Diseases	105	141.4	23	79.8	13	133.7	24	172.3
--Bronchitis, Emphysema and Asthma	6	8.1	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	13	17.5	1	3.5	2	20.6	0	0.0
--Coal Worker's Pneumoconiosis	4	5.4	1	3.5	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	16	21.5	8	27.8	3	30.9	5	35.9
Nephritis, Nephrotic Syndrome and Nephrosis	34	45.8	5	17.3	4	41.1	2	14.4
Congenital Malformations	5	6.7	1	3.5	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	9	12.1	0	0.0	1	10.3	1	7.2
Accidents, All Forms	79	106.4	18	62.5	5	51.4	13	93.3
--Motor Vehicle	15	20.2	5	17.3	3	30.9	6	43.1
--Falls	9	12.1	5	17.3	0	0.0	2	14.4
--Drownings	1	1.3	1	3.5	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	1	3.5	0	0.0	0	0.0
--Poisonings	50	67.3	2	6.9	1	10.3	5	35.9
--Other Accidents	4	5.4	4	13.9	1	10.3	0	0.0
Intentional Self-Harm (Suicide)	19	25.6	7	24.3	2	20.6	5	35.9
Assault (Homicide)	4	5.4	1	3.5	3	30.9	2	14.4
Injury Undetermined Whether Accidental or Purposely Inflicted	6	8.1	0	0.0	0	0.0	1	7.2
All Other Causes (Residual)	163	219.5	47	163.1	15	154.3	25	179.4

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (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	9.9	2	13.7	0	0.0	0	0.0
Total Deaths, All Causes	183	14.3	208	12.3	98	14.1	117	13.4
--Deaths Under One Year	0	0.0	0	0.0	1	17.9	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	1	17.9	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	23.5	4	23.7	1	14.4	1	11.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	37	290.0	43	255.0	24	345.1	29	331.6
--of Digestive Organs	7	54.9	11	65.2	12	172.5	5	57.2
----Colon	2	15.7	5	29.7	3	43.1	1	11.4
----Pancreas	1	7.8	5	29.7	2	28.8	4	45.7
--of Respiratory and Intrathoracic Organs	14	109.7	19	112.7	4	57.5	15	171.5
----Trachea, Bronchus and Lung	14	109.7	18	106.7	4	57.5	15	171.5
--of Breast	3	23.5	1	5.9	2	28.8	2	22.9
--of Genitourinary Organs	5	39.2	6	35.6	1	14.4	4	45.7
----Cervix Uteri	1	7.8	1	5.9	0	0.0	0	0.0
----Ovary	1	7.8	1	5.9	0	0.0	1	11.4
----Prostate	1	7.8	2	11.9	0	0.0	0	0.0
----Bladder	1	7.8	1	5.9	0	0.0	1	11.4
--All Other (Malignant Neoplasms)	8	62.7	6	35.6	5	71.9	3	34.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	2	28.8	1	11.4
Diabetes Mellitus	8	62.7	9	53.4	1	14.4	4	45.7
Dementia	6	47.0	4	23.7	1	14.4	2	22.9
Alzheimer's Disease	4	31.3	10	59.3	6	86.3	2	22.9
Major Cardiovascular Disease	50	391.8	60	355.8	37	532.0	34	388.7
--Diseases of the Heart	41	321.3	46	272.8	28	402.6	30	343.0
----Ischemic Heart Disease	28	219.4	26	154.2	17	244.4	22	251.5
--Essential Hypertension and Hypertensive Renal Disease	2	15.7	3	17.8	2	28.8	1	11.4
--Cerebrovascular Diseases (Stroke)	7	54.9	5	29.7	5	71.9	3	34.3
--Arteriosclerosis	0	0.0	2	11.9	1	14.4	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	4	23.7	1	14.4	0	0.0
Influenza and Pneumonia	2	15.7	7	41.5	2	28.8	3	34.3
--Influenza	2	15.7	2	11.9	2	28.8	1	11.4
--Pneumonia	0	0.0	5	29.7	0	0.0	2	22.9
Chronic Lower Respiratory Diseases	18	141.1	19	112.7	7	100.6	8	91.5
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	1	11.4
Lung Diseases due to External Agents	0	0.0	3	17.8	0	0.0	2	22.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	8	62.7	3	17.8	2	28.8	2	22.9
Nephritis, Nephrotic Syndrome and Nephrosis	1	7.8	4	23.7	2	28.8	5	57.2
Congenital Malformations	1	7.8	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	7.8	0	0.0	1	14.4	2	22.9
Accidents, All Forms	15	117.6	9	53.4	1	14.4	6	68.6
--Motor Vehicle	5	39.2	2	11.9	0	0.0	2	22.9
--Falls	2	15.7	3	17.8	0	0.0	2	22.9
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	5	39.2	4	23.7	1	14.4	2	22.9
--Other Accidents	3	23.5	0	0.0	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	2	15.7	2	11.9	1	14.4	3	34.3
Assault (Homicide)	0	0.0	1	5.9	1	14.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	5.9	0	0.0	0	0.0
All Other Causes (Residual)	27	211.6	29	172.0	9	129.4	13	148.6

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (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	8.0	2	5.3	0	0.0	0	0.0
Total Deaths, All Causes	254	10.4	534	13.4	126	15.2	235	15.4
--Deaths Under One Year	3	12.0	1	2.7	0	0.0	0	0.0
--Deaths Under 28 Days	2	8.0	1	2.7	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	4.1	10	25.0	5	60.4	3	19.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	56	229.4	105	262.9	20	241.4	52	340.5
--of Digestive Organs	16	65.5	25	62.6	7	84.5	11	72.0
----Colon	4	16.4	5	12.5	2	24.1	2	13.1
----Pancreas	8	32.8	7	17.5	2	24.1	3	19.6
--of Respiratory and Intrathoracic Organs	19	77.8	33	82.6	7	84.5	14	91.7
----Trachea, Bronchus and Lung	17	69.6	31	77.6	6	72.4	13	85.1
--of Breast	5	20.5	6	15.0	1	12.1	3	19.6
--of Genitourinary Organs	4	16.4	19	47.6	2	24.1	11	72.0
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	4.1	0	0.0	1	12.1	1	6.5
----Prostate	0	0.0	6	15.0	1	12.1	2	13.1
----Bladder	2	8.2	5	12.5	0	0.0	4	26.2
--All Other (Malignant Neoplasms)	12	49.2	22	55.1	3	36.2	13	85.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	4.1	3	7.5	2	24.1	1	6.5
Diabetes Mellitus	7	28.7	17	42.6	7	84.5	5	32.7
Dementia	11	45.1	19	47.6	5	60.4	7	45.8
Alzheimer's Disease	7	28.7	22	55.1	1	12.1	9	58.9
Major Cardiovascular Disease	72	294.9	140	350.5	41	494.9	61	399.5
--Diseases of the Heart	57	233.5	105	262.9	30	362.1	47	307.8
----Ischemic Heart Disease	39	159.7	60	150.2	28	338.0	30	196.5
--Essential Hypertension and Hypertensive Renal Disease	4	16.4	7	17.5	2	24.1	4	26.2
--Cerebrovascular Diseases (Stroke)	10	41.0	25	62.6	6	72.4	5	32.7
--Arteriosclerosis	1	4.1	0	0.0	0	0.0	1	6.5
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	3	7.5	3	36.2	4	26.2
Influenza and Pneumonia	3	12.3	7	17.5	4	48.3	10	65.5
--Influenza	1	4.1	3	7.5	1	12.1	2	13.1
--Pneumonia	2	8.2	4	10.0	3	36.2	8	52.4
Chronic Lower Respiratory Diseases	25	102.4	41	102.6	5	60.4	16	104.8
--Bronchitis, Emphysema and Asthma	6	24.6	1	2.5	0	0.0	2	13.1
Lung Diseases due to External Agents	2	8.2	5	12.5	5	60.4	2	13.1
--Coal Worker's Pneumoconiosis	1	4.1	0	0.0	2	24.1	0	0.0
Chronic Liver Disease and Cirrhosis	4	16.4	9	22.5	3	36.2	3	19.6
Nephritis, Nephrotic Syndrome and Nephrosis	6	24.6	13	32.5	1	12.1	6	39.3
Congenital Malformations	0	0.0	2	5.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	4	16.4	10	25.0	0	0.0	4	26.2
Accidents, All Forms	8	32.8	47	117.7	6	72.4	20	131.0
--Motor Vehicle	3	12.3	12	30.0	1	12.1	8	52.4
--Falls	3	12.3	6	15.0	2	24.1	3	19.6
--Drownings	0	0.0	0	0.0	0	0.0	1	6.5
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	1	4.1	27	67.6	2	24.1	6	39.3
--Other Accidents	1	4.1	2	5.0	1	12.1	2	13.1
Intentional Self-Harm (Suicide)	5	20.5	7	17.5	1	12.1	3	19.6
Assault (Homicide)	2	8.2	3	7.5	3	36.2	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	4.1	2	5.0	1	12.1	0	0.0
All Other Causes (Residual)	39	159.7	72	180.3	16	193.1	33	216.1

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Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2018  
Table 75 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Wirt		Wood		Wyoming		Total	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	18.2	3	3.3	3	16.2	103	5.6
Total Deaths, All Causes	64	11.0	1,138	13.5	317	15.3	23,462	13.0
--Deaths Under One Year	0	0.0	6	6.6	2	10.8	128	7.0
--Deaths Under 28 Days	0	0.0	3	3.3	2	10.8	78	4.3
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	17.2	12	14.3	6	28.9	380	21.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	11	0.6
Malignant Neoplasms	10	171.5	234	277.9	59	283.8	4,676	258.9
--of Digestive Organs	1	17.2	45	53.4	16	77.0	1,146	63.5
----Colon	1	17.2	14	16.6	4	19.2	366	20.3
----Pancreas	0	0.0	15	17.8	7	33.7	297	16.4
--of Respiratory and Intrathoracic Organs	4	68.6	78	92.6	24	115.5	1,415	78.4
----Trachea, Bronchus and Lung	4	68.6	72	85.5	23	110.7	1,360	75.3
--of Breast	2	34.3	16	19.0	3	14.4	302	16.7
--of Genitourinary Organs	2	34.3	30	35.6	3	14.4	636	35.2
----Cervix Uteri	0	0.0	0	0.0	0	0.0	28	1.6
----Ovary	0	0.0	4	4.8	1	4.8	94	5.2
----Prostate	0	0.0	17	20.2	0	0.0	179	9.9
----Bladder	1	17.2	3	3.6	0	0.0	135	7.5
--All Other (Malignant Neoplasms)	1	17.2	65	77.2	13	62.5	1,177	65.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	8	9.5	1	4.8	118	6.5
Diabetes Mellitus	5	85.8	52	61.8	12	57.7	932	51.6
Dementia	4	68.6	48	57.0	11	52.9	920	50.9
Alzheimer's Disease	2	34.3	41	48.7	4	19.2	790	43.7
Major Cardiovascular Disease	18	308.7	324	384.8	98	471.5	6,473	358.4
--Diseases of the Heart	14	240.1	259	307.6	80	384.9	5,015	277.7
----Ischemic Heart Disease	8	137.2	175	207.8	61	293.5	3,292	182.3
--Essential Hypertension and Hypertensive Renal Disease	2	34.3	6	7.1	3	14.4	256	14.2
--Cerebrovascular Diseases (Stroke)	1	17.2	55	65.3	13	62.5	989	54.8
--Arteriosclerosis	0	0.0	1	1.2	0	0.0	61	3.4
--Other Diseases of Arteries, Arterioles and Capillaries	1	17.2	3	3.6	2	9.6	152	8.4
Influenza and Pneumonia	0	0.0	29	34.4	7	33.7	539	29.8
--Influenza	0	0.0	3	3.6	1	4.8	118	6.5
--Pneumonia	0	0.0	26	30.9	6	28.9	421	23.3
Chronic Lower Respiratory Diseases	5	85.8	82	97.4	32	153.9	1,723	95.4
--Bronchitis, Emphysema and Asthma	0	0.0	2	2.4	1	4.8	92	5.1
Lung Diseases due to External Agents	0	0.0	3	3.6	1	4.8	161	8.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	23	1.3
Chronic Liver Disease and Cirrhosis	3	51.5	20	23.8	7	33.7	352	19.5
Nephritis, Nephrotic Syndrome and Nephrosis	2	34.3	18	21.4	6	28.9	491	27.2
Congenital Malformations	1	17.2	2	2.4	0	0.0	67	3.7
Ill-Defined and Unknown Causes of Death	0	0.0	5	5.9	6	28.9	317	17.6
Accidents, All Forms	3	51.5	60	71.3	17	81.8	1,713	94.9
--Motor Vehicle	1	17.2	11	13.1	3	14.4	333	18.4
--Falls	1	17.2	15	17.8	2	9.6	353	19.5
--Drownings	0	0.0	1	1.2	0	0.0	21	1.2
--Smoke, Fires and Flames	0	0.0	4	4.8	1	4.8	25	1.4
--Poisonings	1	17.2	27	32.1	9	43.3	834	46.2
--Other Accidents	0	0.0	2	2.4	2	9.6	147	8.1
Intentional Self-Harm (Suicide)	0	0.0	22	26.1	4	19.2	404	22.4
Assault (Homicide)	0	0.0	5	5.9	0	0.0	103	5.7
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	48	2.7
All Other Causes (Residual)	10	171.5	173	205.5	46	221.3	3,244	179.6

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

Marriages by County of Occurrence  
Male-Female, Same-Sex and All Marriages  
West Virginia, 2018  
Table 76

County	Male-Female Marriages	Same-Sex Marriages	All Marriages	County	Male-Female Marriages	Same-Sex Marriages	All Marriages
Barbour	95	1	96	Monongalia	602	13	615
Berkeley	576	17	593	Monroe	76	1	77
Boone	146	1	147	Morgan	99	1	100
Braxton	84	2	86	Nicholas	156	1	157
Brooke	115	0	115	Ohio	281	6	287
Cabell	628	24	652	Pendleton	42	0	42
Calhoun	39	1	40	Pleasants	56	2	58
Clay	62	0	62	Pocahontas	42	1	43
Doddridge	45	0	45	Preston	158	1	159
Fayette	268	7	275	Putnam	301	6	307
Gilmer	48	0	48	Raleigh	472	9	481
Grant	71	1	72	Randolph	172	2	174
Greenbrier	221	9	230	Ritchie	51	1	52
Hampshire	97	1	98	Roane	87	1	88
Hancock	116	0	116	Summers	69	1	70
Hardy	68	3	71	Taylor	66	0	66
Harrison	440	7	447	Tucker	61	0	61
Jackson	185	1	186	Tyler	47	1	48
Jefferson	334	10	344	Upshur	179	2	181
Kanawha	1,076	35	1,111	Wayne	175	3	178
Lewis	125	1	126	Webster	43	1	44
Lincoln	92	1	93	Wetzel	92	1	93
Logan	265	3	268	Wirt	32	0	32
McDowell	105	0	105	Wood	504	8	512
Marion	379	7	386	Wyoming	138	1	139
Marshall	205	4	209				
Mason	149	3	152				
Mercer	477	12	489	Total	10,735	215	10,950
Mineral	36	1	37				
Mingo	187	0	187				

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All Marriages by Month of Occurrence  
West Virginia by County, 2018  
Table 77

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	4	1	5	4	9	17	9	6	13	15	8	5	96
Berkeley	28	17	33	36	54	78	45	59	96	65	43	39	593
Boone	10	8	10	9	18	16	16	12	19	11	9	9	147
Braxton	3	5	4	5	7	11	14	12	5	5	8	7	86
Brooke	4	4	8	5	8	21	14	14	9	15	5	8	115
Cabell	25	27	57	48	57	77	66	73	71	68	48	35	652
Calhoun	0	4	2	1	1	5	3	4	6	4	4	6	40
Clay	3	2	6	1	3	6	10	5	8	8	6	4	62
Doddridge	3	1	0	2	6	2	8	2	8	9	1	3	45
Fayette	12	11	21	26	27	45	24	28	25	24	13	19	275
Gilmer	2	0	0	9	2	6	4	6	8	8	0	3	48
Grant	6	3	7	4	4	13	6	6	11	4	3	5	72
Greenbrier	10	9	12	10	30	33	19	31	26	27	13	10	230
Hampshire	3	1	2	7	10	19	9	8	11	14	6	8	98
Hancock	5	2	7	5	14	11	18	15	8	12	8	11	116
Hardy	3	2	3	7	7	9	5	10	13	6	0	6	71
Harrison	13	15	21	35	43	65	50	48	44	61	30	22	447
Jackson	4	3	16	13	17	28	20	13	23	25	13	11	186
Jefferson	11	13	12	16	33	44	32	27	52	54	30	20	344
Kanawha	41	44	75	71	101	140	99	120	144	132	69	75	1,111
Lewis	3	1	9	10	15	17	12	6	17	21	7	8	126
Lincoln	4	2	7	9	10	11	16	5	11	11	4	3	93
Logan	17	17	17	17	29	39	20	18	26	26	18	24	268
McDowell	2	6	9	5	17	11	12	10	11	11	6	5	105
Marion	14	19	14	25	39	51	38	33	47	55	24	27	386
Marshall	5	10	7	7	18	31	25	25	23	35	14	9	209
Mason	3	10	10	13	9	17	21	19	15	20	8	7	152
Mercer	20	26	19	38	62	55	47	51	52	59	22	38	489
Mineral	6	6	6	7	9	3	0	0	0	0	0	0	37
Mingo	6	4	17	19	19	21	17	24	22	18	11	9	187
Monongalia	21	21	30	38	70	87	57	47	73	100	30	41	615
Monroe	2	5	2	10	6	8	9	6	8	9	9	3	77
Morgan	3	4	4	8	7	12	8	7	12	19	4	12	100
Nicholas	5	6	4	14	19	14	15	17	20	22	7	14	157
Ohio	6	11	16	17	26	30	22	32	41	43	22	21	287
Pendleton	1	0	0	2	7	7	7	6	7	4	0	1	42
Pleasants	3	3	3	3	5	10	4	5	7	9	2	4	58
Pocahontas	1	3	2	3	2	7	4	5	7	6	3	0	43
Preston	7	8	6	8	11	24	13	19	26	21	6	10	159
Putnam	18	19	4	18	42	47	23	33	37	33	11	22	307
Raleigh	24	18	28	30	33	60	67	47	52	57	29	36	481
Randolph	5	4	10	13	15	27	13	21	26	16	10	14	174
Ritchie	1	3	4	2	7	5	3	9	9	5	1	3	52
Roane	3	0	7	5	7	11	10	13	9	17	2	4	88
Summers	0	2	2	8	14	12	3	11	8	6	3	1	70
Taylor	2	3	1	6	5	10	11	8	9	5	3	3	66
Tucker	1	4	4	2	2	7	4	10	13	6	5	3	61
Tyler	2	1	2	4	1	11	2	5	7	4	5	4	48
Upshur	6	3	7	8	13	36	18	25	22	23	12	8	181
Wayne	7	14	18	15	14	26	20	7	12	23	15	7	178
Webster	1	2	1	7	4	5	6	5	5	4	4	0	44
Wetzel	3	6	5	4	7	18	15	11	9	9	3	3	93
Wirt	2	2	4	1	3	1	4	5	4	2	1	3	32
Wood	15	26	21	29	48	66	47	48	71	69	37	35	512
Wyoming	8	7	11	11	11	15	20	13	12	16	8	7	139
Total	417	448	612	730	1,057	1,458	1,084	1,105	1,330	1,351	663	695	10,950

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Male-Female Marriages by Month of Occurrence  
West Virginia by County, 2018  
Table 78

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	4	1	5	4	9	17	9	5	13	15	8	5	95
Berkeley	28	16	33	35	52	77	42	58	93	64	39	39	576
Boone	10	8	10	9	18	15	16	12	19	11	9	9	146
Braxton	3	4	4	5	7	10	14	12	5	5	8	7	84
Brooke	4	4	8	5	8	21	14	14	9	15	5	8	115
Cabell	23	25	54	47	55	76	64	69	70	67	45	33	628
Calhoun	0	4	2	1	1	5	3	4	6	4	3	6	39
Clay	3	2	6	1	3	6	10	5	8	8	6	4	62
Doddridge	3	1	0	2	6	2	8	2	8	9	1	3	45
Fayette	11	11	21	26	27	45	23	28	23	23	12	18	268
Gilmer	2	0	0	9	2	6	4	6	8	8	0	3	48
Grant	6	3	7	4	4	13	5	6	11	4	3	5	71
Greenbrier	9	8	12	10	29	33	19	28	25	26	13	9	221
Hampshire	3	1	2	7	10	19	9	8	11	14	6	7	97
Hancock	5	2	7	5	14	11	18	15	8	12	8	11	116
Hardy	3	2	3	7	7	9	4	9	12	6	0	6	68
Harrison	12	14	20	35	43	63	50	48	43	61	29	22	440
Jackson	4	3	15	13	17	28	20	13	23	25	13	11	185
Jefferson	10	13	11	16	31	43	31	27	52	53	29	18	334
Kanawha	40	42	74	70	99	138	95	115	140	124	65	74	1,076
Lewis	3	1	9	10	15	17	12	6	16	21	7	8	125
Lincoln	4	2	7	9	10	11	15	5	11	11	4	3	92
Logan	16	17	17	16	29	39	20	17	26	26	18	24	265
McDowell	2	6	9	5	17	11	12	10	11	11	6	5	105
Marion	14	18	13	24	38	51	38	33	47	53	24	26	379
Marshall	4	10	7	7	18	31	25	24	23	34	13	9	205
Mason	3	10	9	13	9	17	20	19	15	19	8	7	149
Mercer	19	26	19	37	59	54	46	48	51	59	22	37	477
Mineral	5	6	6	7	9	3	0	0	0	0	0	0	36
Mingo	6	4	17	19	19	21	17	24	22	18	11	9	187
Monongalia	21	21	30	36	69	85	55	46	71	98	29	41	602
Monroe	2	5	2	10	6	8	9	6	8	8	9	3	76
Morgan	3	4	4	8	7	12	8	7	12	19	4	11	99
Nicholas	5	6	4	14	19	14	15	16	20	22	7	14	156
Ohio	6	11	16	17	26	30	20	31	40	42	21	21	281
Pendleton	1	0	0	2	7	7	7	6	7	4	0	1	42
Pleasants	3	3	3	3	5	9	4	5	6	9	2	4	56
Pocahontas	1	3	2	3	2	7	4	5	7	5	3	0	42
Preston	7	8	6	7	11	24	13	19	26	21	6	10	158
Putnam	17	18	4	18	42	46	22	32	37	33	10	22	301
Raleigh	24	18	25	29	33	59	66	45	52	57	29	35	472
Randolph	5	4	10	13	14	26	13	21	26	16	10	14	172
Ritchie	1	3	3	2	7	5	3	9	9	5	1	3	51
Roane	3	0	7	5	7	11	10	12	9	17	2	4	87
Summers	0	2	2	7	14	12	3	11	8	6	3	1	69
Taylor	2	3	1	6	5	10	11	8	9	5	3	3	66
Tucker	1	4	4	2	2	7	4	10	13	6	5	3	61
Tyler	2	1	2	4	1	11	2	5	7	4	4	4	47
Upshur	6	3	7	8	13	36	18	24	21	23	12	8	179
Wayne	7	13	17	15	13	26	20	7	12	23	15	7	175
Webster	1	2	1	7	4	5	6	5	4	4	4	0	43
Wetzel	2	6	5	4	7	18	15	11	9	9	3	3	92
Wirt	2	2	4	1	3	1	4	5	4	2	1	3	32
Wood	14	26	20	28	48	66	46	48	70	66	37	35	504
Wyoming	8	7	11	10	11	15	20	13	12	16	8	7	138
Total	403	437	597	717	1,041	1,442	1,061	1,077	1,308	1,326	643	683	10,735

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Number of Marriages by County  
West Virginia, 2014-2018  
Table 79

County	2014	2015	2016	2017	2018	County	2014	2015	2016	2017	2018
Barbour	94	93	92	114	96	Monongalia	688	695	603	672	615
Berkeley	631	634	647	640	593	Monroe	75	81	74	75	77
Boone	151	160	155	134	147	Morgan	106	102	119	139	100
Braxton	70	79	91	83	86	Nicholas	192	162	176	179	157
Brooke	133	132	113	110	115	Ohio	339	345	281	293	287
Cabell	765	808	752	640	652	Pendleton	45	37	43	47	42
Calhoun	51	44	50	31	40	Pleasants	54	67	56	63	58
Clay	70	66	66	75	62	Pocahontas	65	58	59	58	43
Doddridge	56	62	53	52	45	Preston	203	169	177	171	159
Fayette	315	325	289	300	275	Putnam	344	364	327	339	307
Gilmer	42	48	56	45	48	Raleigh	524	498	471	470	481
Grant	84	70	68	85	72	Randolph	197	184	169	185	174
Greenbrier	210	233	244	226	230	Ritchie	66	83	59	69	52
Hampshire	98	101	90	100	98	Roane	96	112	93	88	88
Hancock	185	161	152	141	116	Summers	87	69	70	82	70
Hardy	108	101	105	81	71	Taylor	92	104	100	86	66
Harrison	489	486	424	445	447	Tucker	64	64	48	47	61
Jackson	219	223	178	167	186	Tyler	61	49	51	44	48
Jefferson	295	338	326	310	344	Upshur	163	187	166	163	181
Kanawha	1,245	1,194	1,280	1,189	1,111	Wayne	220	217	221	200	178
Lewis	136	116	97	125	126	Webster	71	59	62	64	44
Lincoln	139	123	156	126	93	Wetzel	99	89	86	84	93
Logan	296	300	248	253	268	Wirt	47	40	35	42	32
McDowell	120	135	117	127	105	Wood	635	653	592	549	512
Marion	435	408	371	365	386	Wyoming	158	153	131	162	139
Marshall	243	223	219	196	209						
Mason	168	179	147	148	152						
Mercer	493	462	444	459	489	Total	12,356	12,296	11,664	11,464	10,950
Mineral	156	165	180	156	37						
Mingo	168	186	185	170	187						

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Note: All marriages regardless of gender.

Divorces and Annulments by County of Occurrence  
Male-Female, Same-Sex and All Divorces and Annulments  
West Virginia, 2018  
Table 80

County	Male-Female			Same-Sex			All Divorces		
	Divorce	Annulment	Total	Divorces	Annulments	Total	Divorces	Annulments	Total
Barbour	64	0	64	1	0	1	65	0	65
Berkeley	1	0	1	0	0	0	1	0	1
Boone	108	0	108	4	0	4	112	0	112
Braxton	32	0	32	1	0	1	33	0	33
Brooke	0	0	0	0	0	0	0	0	0
Cabell	337	0	337	8	0	8	345	0	345
Calhoun	28	0	28	0	0	0	28	0	28
Clay	34	0	34	0	0	0	34	0	34
Doddridge	41	0	41	0	0	0	41	0	41
Fayette	189	2	191	4	0	4	193	2	195
Gilmer	18	0	18	1	0	1	19	0	19
Grant	52	0	52	0	0	0	52	0	52
Greenbrier	0	0	0	0	0	0	0	0	0
Hampshire	69	0	69	1	0	1	70	0	70
Hancock	90	1	91	4	0	4	94	1	95
Hardy	65	0	65	0	0	0	65	0	65
Harrison	243	0	243	7	0	7	250	0	250
Jackson	91	0	91	0	0	0	91	0	91
Jefferson	175	1	176	4	0	4	179	1	180
Kanawha	802	2	804	18	0	18	820	2	822
Lewis	51	0	51	2	0	2	53	0	53
Lincoln	102	0	102	3	0	3	105	0	105
Logan	173	0	173	1	0	1	174	0	174
McDowell	72	0	72	1	0	1	73	0	73
Marion	42	2	44	1	0	1	43	2	45
Marshall	104	0	104	1	0	1	105	0	105
Mason	93	0	93	0	0	0	93	0	93
Mercer	246	0	246	6	0	6	252	0	252
Mineral	73	0	73	3	0	3	76	0	76
Mingo	0	0	0	0	0	0	0	0	0
Monongalia	215	0	215	28	0	28	243	0	243
Monroe	0	0	0	0	0	0	0	0	0
Morgan	69	0	69	2	0	2	71	0	71
Nicholas	0	0	0	0	0	0	0	0	0
Ohio	121	0	121	4	0	4	125	0	125
Pendleton	31	0	31	0	0	0	31	0	31
Pleasants	23	0	23	0	0	0	23	0	23
Pocahontas	27	0	27	1	0	1	28	0	28
Preston	118	0	118	1	0	1	119	0	119
Putnam	290	0	290	3	0	3	293	0	293
Raleigh	340	0	340	10	0	10	350	0	350
Randolph	53	0	53	3	0	3	56	0	56
Ritchie	51	0	51	0	0	0	51	0	51
Roane	68	0	68	1	0	1	69	0	69
Summers	37	0	37	0	0	0	37	0	37
Taylor	72	1	73	0	0	0	72	1	73
Tucker	28	0	28	0	0	0	28	0	28
Tyler	29	0	29	0	0	0	29	0	29
Upshur	92	0	92	3	0	3	95	0	95
Wayne	127	0	127	2	0	2	129	0	129
Webster	54	0	54	0	0	0	54	0	54
Wetzel	58	0	58	0	0	0	58	0	58
Wirt	33	0	33	0	0	0	33	0	33
Wood	318	0	318	11	0	11	329	0	329
Wyoming	80	0	80	1	0	1	81	0	81
Total	5,729	9	5,738	141	0	141	5,870	9	5,879

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All Divorces and Annulments by Month of Occurrence  
West Virginia by County, 2017  
Table 81

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	4	0	7	9	5	7	10	0	6	4	5	3	65
Berkeley	0	0	1	0	0	0	0	0	0	0	0	0	1
Boone	13	6	13	15	8	9	7	8	9	12	3	9	112
Braxton	6	6	7	2	3	8	0	0	0	0	0	1	33
Brooke	0	0	0	0	0	0	0	0	0	0	0	0	0
Cabell	30	18	35	30	31	23	29	42	28	27	25	27	345
Calhoun	8	0	3	2	0	0	1	3	3	2	2	4	28
Clay	6	1	4	3	4	4	3	2	5	0	0	2	34
Doddridge	6	3	2	0	7	4	3	4	4	4	2	2	41
Fayette	12	10	25	20	22	12	13	13	11	21	16	20	195
Gilmer	0	0	2	0	4	1	7	5	0	0	0	0	19
Grant	5	3	1	9	2	6	2	7	7	6	0	4	52
Greenbrier	0	0	0	0	0	0	0	0	0	0	0	0	0
Hampshire	5	4	5	8	14	0	7	9	0	6	0	12	70
Hancock	9	7	12	16	5	7	3	5	14	6	3	8	95
Hardy	5	1	2	6	4	6	10	7	10	3	5	6	65
Harrison	29	21	22	0	26	29	3	27	25	27	31	10	250
Jackson	9	3	6	3	6	7	12	2	11	5	16	11	91
Jefferson	13	15	16	17	11	11	17	13	12	15	18	22	180
Kanawha	72	83	70	65	67	60	80	60	58	73	50	84	822
Lewis	5	0	0	8	8	0	2	6	3	5	6	10	53
Lincoln	6	14	9	7	4	18	9	6	10	9	5	8	105
Logan	22	11	18	18	21	23	10	21	7	6	2	15	174
McDowell	0	3	4	13	5	7	5	7	6	8	9	6	73
Marion	10	4	5	4	3	2	6	2	2	3	1	3	45
Marshall	10	6	10	7	11	10	5	15	6	5	13	7	105
Mason	9	11	8	4	6	9	8	8	13	8	0	9	93
Mercer	34	16	0	0	25	23	31	28	24	21	31	19	252
Mineral	14	0	0	16	0	5	5	10	11	0	15	0	76
Mingo	0	0	0	0	0	0	0	0	0	0	0	0	0
Monongalia	17	18	22	25	24	24	12	22	24	22	11	22	243
Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0
Morgan	5	2	8	8	7	6	5	5	6	4	10	7	71
Nicholas	0	0	0	0	0	0	0	0	0	0	0	0	0
Ohio	3	5	13	8	15	21	12	8	9	12	11	8	125
Pendleton	1	1	1	7	6	4	2	2	2	1	1	3	31
Pleasants	2	5	1	1	0	2	2	4	1	2	2	1	23
Pocahontas	2	2	1	7	2	4	0	1	0	6	1	2	28
Preston	11	6	11	10	8	8	15	12	11	11	8	8	119
Putnam	23	33	24	22	34	17	33	26	24	26	14	17	293
Raleigh	40	26	32	40	33	31	16	30	29	40	15	18	350
Randolph	6	10	10	10	7	12	0	1	0	0	0	0	56
Ritchie	1	3	6	0	2	4	2	7	2	12	11	1	51
Roane	7	4	4	11	7	6	4	4	4	3	11	4	69
Summers	5	2	3	8	0	5	1	4	3	2	2	2	37
Taylor	7	7	11	7	8	12	7	0	10	0	0	4	73
Tucker	3	4	2	3	1	3	0	1	1	5	0	5	28
Tyler	0	2	3	3	3	1	2	5	3	2	2	3	29
Upshur	11	8	11	10	7	4	9	5	7	12	5	6	95
Wayne	10	21	16	6	12	9	19	7	7	7	0	15	129
Webster	8	0	5	4	6	8	2	5	6	6	0	4	54
Wetzel	5	3	4	3	7	7	5	8	5	1	8	2	58
Wirt	4	3	1	2	2	1	2	3	1	6	5	3	33
Wood	22	15	26	36	23	53	27	28	30	25	20	24	329
Wyoming	6	4	6	2	6	12	13	6	8	6	8	4	81
Total	541	430	508	515	522	545	478	504	477	489	397	468	5,879

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Male-Female Divorces and Annulments by Month of Occurrence  
West Virginia by County, 2017  
Table 82

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	4	0	7	9	5	7	10	0	6	4	4	3	64
Berkeley	0	0	1	0	0	0	0	0	0	0	0	0	1
Boone	12	5	12	15	8	9	7	8	9	11	3	9	108
Braxton	6	5	7	2	3	8	0	0	0	0	0	1	32
Brooke	0	0	0	0	0	0	0	0	0	0	0	0	0
Cabell	30	17	33	29	31	23	28	41	28	26	24	27	337
Calhoun	8	0	3	2	0	0	1	3	3	2	2	4	28
Clay	6	1	4	3	4	4	3	2	5	0	0	2	34
Doddridge	6	3	2	0	7	4	3	4	4	4	2	2	41
Fayette	11	10	24	20	21	12	13	13	11	21	15	20	191
Gilmer	0	0	2	0	3	1	7	5	0	0	0	0	18
Grant	5	3	1	9	2	6	2	7	7	6	0	4	52
Greenbrier	0	0	0	0	0	0	0	0	0	0	0	0	0
Hampshire	5	4	5	8	14	0	7	8	0	6	0	12	69
Hancock	9	7	11	14	5	7	3	5	14	6	3	7	91
Hardy	5	1	2	6	4	6	10	7	10	3	5	6	65
Harrison	29	21	22	0	25	26	3	26	25	25	31	10	243
Jackson	9	3	6	3	6	7	12	2	11	5	16	11	91
Jefferson	13	15	15	17	11	10	17	12	12	14	18	22	176
Kanawha	70	80	68	64	67	60	79	56	57	71	49	83	804
Lewis	5	0	0	8	8	0	2	5	3	5	6	9	51
Lincoln	6	14	9	7	4	17	7	6	10	9	5	8	102
Logan	22	11	18	18	21	22	10	21	7	6	2	15	173
McDowell	0	2	4	13	5	7	5	7	6	8	9	6	72
Marion	9	4	5	4	3	2	6	2	2	3	1	3	44
Marshall	10	6	10	7	11	9	5	15	6	5	13	7	104
Mason	9	11	8	4	6	9	8	8	13	8	0	9	93
Mercer	33	16	0	0	24	23	30	27	24	20	30	19	246
Mineral	14	0	0	16	0	5	4	9	11	0	14	0	73
Mingo	0	0	0	0	0	0	0	0	0	0	0	0	0
Monongalia	16	16	19	23	17	24	9	19	22	20	10	20	215
Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0
Morgan	5	2	8	7	7	6	5	5	5	5	4	10	69
Nicholas	0	0	0	0	0	0	0	0	0	0	0	0	0
Ohio	3	5	13	7	15	20	11	8	9	12	11	7	121
Pendleton	1	1	1	7	6	4	2	2	2	1	1	3	31
Pleasants	2	5	1	1	0	2	2	4	1	2	2	1	23
Pocahontas	2	2	1	7	2	3	0	1	0	6	1	2	27
Preston	11	5	11	10	8	8	15	12	11	11	8	8	118
Putnam	22	33	24	22	33	17	33	26	23	26	14	17	290
Raleigh	40	26	32	39	33	26	16	29	29	40	14	16	340
Randolph	5	9	10	10	7	11	0	1	0	0	0	0	53
Ritchie	1	3	6	0	2	4	2	7	2	12	11	1	51
Roane	7	3	4	11	7	6	4	4	4	3	11	4	68
Summers	5	2	3	8	0	5	1	4	3	2	2	2	37
Taylor	7	7	11	7	8	12	7	0	10	0	0	4	73
Tucker	3	4	2	3	1	3	0	1	1	5	0	5	28
Tyler	0	2	3	3	3	1	2	5	3	2	2	3	29
Upshur	11	8	10	9	6	4	9	5	7	12	5	6	92
Wayne	10	21	16	6	12	9	19	6	7	7	0	14	127
Webster	8	0	5	4	6	8	2	5	6	6	0	4	54
Wetzel	5	3	4	3	7	7	5	8	5	1	8	2	58
Wirt	4	3	1	2	2	1	2	3	1	6	5	3	33
Wood	22	14	26	36	21	50	26	27	29	25	20	22	318
Wyoming	5	4	6	2	6	12	13	6	8	6	8	4	80
Total	531	417	496	505	507	527	467	487	472	478	389	457	5,738

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Divorces and Annulments by County of Occurrence  
West Virginia, 2014-2018  
Table 83

County	2014	2015	2016	2017	2018	County	2014	2015	2016	2017	2018
Barbour	69	5	0	43	65	Monongalia	245	223	167	188	243
Berkeley	451	437	398	62	1	Monroe	63	79	45	15	0
Boone	123	85	70	113	112	Morgan	68	38	59	59	71
Braxton	49	40	55	27	33	Nicholas	179	145	125	152	0
Brooke	74	80	85	80	0	Ohio	128	103	110	135	125
Cabell	322	404	384	400	345	Pendleton	23	24	31	20	31
Calhoun	35	41	32	49	28	Pleasants	40	33	26	38	23
Clay	52	67	58	38	34	Pocahontas	38	39	28	22	28
Doddridge	25	33	31	44	41	Preston	130	126	97	138	119
Fayette	212	254	189	187	195	Putnam	321	289	274	187	293
Gilmer	27	20	26	21	19	Raleigh	435	329	405	413	350
Grant	45	50	60	55	52	Randolph	87	56	73	151	56
Greenbrier	102	52	101	69	0	Ritchie	40	42	37	25	51
Hampshire	99	84	96	54	70	Roane	73	72	81	83	69
Hancock	108	105	101	85	95	Summers	74	61	49	55	37
Hardy	73	61	53	82	65	Taylor	73	82	63	46	73
Harrison	239	254	253	237	250	Tucker	20	34	27	27	28
Jackson	89	114	125	110	91	Tyler	50	37	37	38	29
Jefferson	175	169	145	164	180	Upshur	144	131	99	126	95
Kanawha	902	737	761	683	822	Wayne	235	208	197	198	129
Lewis	72	79	74	65	53	Webster	51	47	58	49	54
Lincoln	136	98	114	99	105	Wetzel	71	59	51	42	58
Logan	184	192	166	229	174	Wirt	30	35	19	35	33
McDowell	87	79	97	98	73	Wood	479	434	390	382	329
Marion	239	179	33	63	45	Wyoming	139	149	108	117	81
Marshall	149	119	106	87	105						
Mason	108	142	113	89	93						
Mercer	394	377	374	217	252	Total	8,051	7,523	7,038	6,502	5,879
Mineral	106	90	129	94	76						
Mingo	69	201	153	117	0						

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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, 2018  
Table 84

50 Most Populated Cities	2018 Population Estimate*	Resident Births	Rate per 1,000 Population
Barboursville	4,185	42	10.0
Beckley	16,183	212	13.1
Bluefield	9,730	92	9.5
Bridgeport	8,681	67	7.7
Buckhannon	5,493	53	9.6
Charles Town	6,064	79	13.0
Charleston	47,215	483	10.2
Clarksburg	15,480	204	13.2
Dunbar	7,205	89	12.4
Elkins	7,026	56	8.0
Fairmont	18,411	199	10.8
Fayetteville	2,762	17	6.2
Follansbee	2,735	27	9.9
Grafton	5,040	45	8.9
Granville	2,590	11	4.2
Huntington	46,048	464	10.1
Hurricane	6,506	66	10.1
Kenova	3,037	28	9.2
Keyser	4,985	50	10.0
Kingwood	2,939	44	15.0
Lewisburg	3,831	24	6.3
Madison	2,758	23	8.3
Martinsburg	17,465	320	18.3
Milton	2,568	27	10.5
Moorefield	2,432	40	16.4
Morgantown	30,955	198	6.4
Moundsville	8,401	81	9.6
New Martinsville	5,141	55	10.7
Nitro	6,462	72	11.1
Oak Hill	8,218	96	11.7
Parkersburg	29,675	375	12.6
Petersburg	2,621	25	9.5
Philippi	3,352	21	6.3
Pleasant Valley	3,145	30	9.5
Point Pleasant	4,121	43	10.4
Princeton	5,741	67	11.7
Ranson	5,182	63	12.2
Ravenswood	3,668	46	12.5
Ripley	3,185	34	10.7
Saint Albans	10,069	103	10.2
South Charleston	12,240	135	11.0
Summersville	3,322	28	8.4
Vienna	10,230	112	10.9
Weirton	18,449	162	8.8
Wellsburg	2,559	20	7.8
Weston	3,910	45	11.5
Westover	4,217	47	11.1
Wheeling	26,771	240	9.0
Williamson	2,744	32	11.7
Williamstown	2,882	27	9.4

\*Census Population Estimates for Incorporated Places in WV  
Source: Population Division, U.S. Census Bureau - Release Date: July 1, 2018  
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, 2018  
Table 85

Selected Causes of Death	Number and Rate by City							
	Barboursville		Beckley		Bluefield		Bridgeport	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	2	9.4	1	10.9	0	0.0
Total Deaths, All Causes	77	18.4	246	15.2	149	15.3	95	10.9
--Deaths Under One Year	1	23.8	4	18.9	0	0.0	0	0.0
--Deaths Under 28 Days	1	23.8	4	18.9	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	7	43.3	1	10.3	2	23.0
Human Immunodeficiency Virus Infection	0	0.0	1	6.2	0	0.0	0	0.0
Malignant Neoplasms	5	119.5	39	241.0	29	298.0	21	241.9
--of Digestive Organs	2	47.8	8	49.4	10	102.8	4	46.1
----Colon	1	23.9	3	18.5	6	61.7	1	11.5
----Pancreas	0	0.0	0	0.0	2	20.6	1	11.5
--of Respiratory and Intrathoracic Organs	2	47.8	14	86.5	5	51.4	5	57.6
----Trachea, Bronchus and Lung	1	23.9	14	86.5	5	51.4	5	57.6
--of Breast	1	23.9	4	24.7	2	20.6	1	11.5
--of Genitourinary Organs	0	0.0	2	12.4	4	41.1	4	46.1
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	1	6.2	0	0.0	0	0.0
----Prostate	0	0.0	0	0.0	2	20.6	0	0.0
----Bladder	0	0.0	0	0.0	1	10.3	0	0.0
--All Other (Malignant Neoplasms)	0	0.0	11	68.0	8	82.2	7	80.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	2	12.4	0	0.0	1	11.5
Diabetes Mellitus	6	143.4	7	43.3	6	61.7	6	69.1
Dementia	10	238.9	10	61.8	9	92.5	0	0.0
Alzheimer's Disease	5	119.5	1	6.2	3	30.8	7	80.6
Major Cardiovascular Disease	21	501.8	72	444.9	43	441.9	34	391.7
--Diseases of the Heart	14	334.5	57	352.2	36	370.0	28	322.5
----Ischemic Heart Disease	8	191.2	44	271.9	23	236.4	19	218.9
--Essential Hypertension and Hypertensive Renal Disease	1	23.9	7	43.3	0	0.0	0	0.0
--Cerebrovascular Diseases (Stroke)	5	119.5	8	49.4	7	71.9	2	23.0
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	4	46.1
--Other Diseases of Arteries, Arterioles and Capillaries	1	23.9	0	0.0	0	0.0	0	0.0
Influenza and Pneumonia	2	47.8	1	6.2	3	30.8	1	11.5
--Influenza	1	23.9	0	0.0	1	10.3	0	0.0
--Pneumonia	1	23.9	1	6.2	2	20.6	1	11.5
Chronic Lower Respiratory Diseases	7	167.3	17	105.0	15	154.2	3	34.6
--Bronchitis, Emphysema and Asthma	0	0.0	1	6.2	0	0.0	0	0.0
Lung Diseases due to External Agents	0	0.0	2	12.4	1	10.3	1	11.5
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	23.9	5	30.9	1	10.3	2	23.0
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	10	61.8	1	10.3	2	23.0
Congenital Malformations	2	47.8	1	6.2	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	4	24.7	0	0.0	1	11.5
Accidents, All Forms	3	71.7	21	129.8	10	102.8	3	34.6
--Motor Vehicle	0	0.0	2	12.4	0	0.0	0	0.0
--Falls	2	47.8	3	18.5	3	30.8	2	23.0
--Drownings	0	0.0	1	6.2	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	1	23.9	12	74.2	7	71.9	0	0.0
--Other Accidents	0	0.0	3	18.5	0	0.0	1	11.5
Intentional Self-Harm (Suicide)	2	47.8	5	30.9	2	20.6	0	0.0
Assault (Homicide)	0	0.0	2	12.4	1	10.3	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	12.4	0	0.0	0	0.0
All Other Causes (Residual)	11	262.8	37	228.6	24	246.7	11	126.7

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

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	Buckhannon		Charles Town		Charleston		Clarksburg	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	4	8.3	0	0.0
Total Deaths, All Causes	53	9.6	48	7.9	710	15.0	221	14.3
--Deaths Under One Year	1	18.9	0	0.0	2	4.1	1	4.9
--Deaths Under 28 Days	1	18.9	0	0.0	1	2.1	1	4.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	1	16.5	15	31.8	1	6.5
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	4	8.5	0	0.0
Malignant Neoplasms	12	218.5	12	197.9	103	218.2	45	290.7
--of Digestive Organs	2	36.4	3	49.5	21	44.5	14	90.4
----Colon	0	0.0	1	16.5	4	8.5	6	38.8
----Pancreas	1	18.2	2	33.0	4	8.5	5	32.3
--of Respiratory and Intrathoracic Organs	4	72.8	3	49.5	28	59.3	8	51.7
----Trachea, Bronchus and Lung	2	36.4	3	49.5	27	57.2	8	51.7
--of Breast	2	36.4	0	0.0	10	21.2	2	12.9
--of Genitourinary Organs	1	18.2	0	0.0	19	40.2	5	32.3
----Cervix Uteri	0	0.0	0	0.0	2	4.2	0	0.0
----Ovary	0	0.0	0	0.0	3	6.4	1	6.5
----Prostate	0	0.0	0	0.0	6	12.7	0	0.0
----Bladder	1	18.2	0	0.0	5	10.6	2	12.9
--All Other (Malignant Neoplasms)	3	54.6	6	98.9	25	52.9	16	103.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	18.2	0	0.0	3	6.4	0	0.0
Diabetes Mellitus	0	0.0	0	0.0	33	69.9	11	71.1
Dementia	1	18.2	1	16.5	40	84.7	5	32.3
Alzheimer's Disease	1	18.2	1	16.5	42	89.0	10	64.6
Major Cardiovascular Disease	13	236.7	17	280.3	177	374.9	65	419.9
--Diseases of the Heart	10	182.0	10	164.9	131	277.5	51	329.5
----Ischemic Heart Disease	6	109.2	10	164.9	77	163.1	38	245.5
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	2	33.0	9	19.1	3	19.4
--Cerebrovascular Diseases (Stroke)	2	36.4	4	66.0	31	65.7	6	38.8
--Arteriosclerosis	1	18.2	0	0.0	1	2.1	5	32.3
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	16.5	5	10.6	0	0.0
Influenza and Pneumonia	2	36.4	1	16.5	13	27.5	4	25.8
--Influenza	1	18.2	0	0.0	4	8.5	1	6.5
--Pneumonia	1	18.2	1	16.5	9	19.1	3	19.4
Chronic Lower Respiratory Diseases	4	72.8	1	16.5	45	95.3	15	96.9
--Bronchitis, Emphysema and Asthma	1	18.2	0	0.0	3	6.4	0	0.0
Lung Diseases due to External Agents	2	36.4	0	0.0	3	6.4	0	0.0
--Coal Worker's Pneumoconiosis	1	18.2	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	1	16.5	11	23.3	3	19.4
Nephritis, Nephrotic Syndrome and Nephrosis	1	18.2	1	16.5	13	27.5	4	25.8
Congenital Malformations	0	0.0	0	0.0	1	2.1	0	0.0
Ill-Defined and Unknown Causes of Death	1	18.2	2	33.0	13	27.5	5	32.3
Accidents, All Forms	1	18.2	3	49.5	68	144.0	11	71.1
--Motor Vehicle	1	18.2	0	0.0	5	10.6	3	19.4
--Falls	0	0.0	0	0.0	18	38.1	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0	1	6.5
--Smoke, Fires and Flames	0	0.0	0	0.0	1	2.1	1	6.5
--Poisonings	0	0.0	2	33.0	37	78.4	5	32.3
--Other Accidents	0	0.0	1	16.5	7	14.8	1	6.5
Intentional Self-Harm (Suicide)	2	36.4	1	16.5	14	29.7	8	51.7
Assault (Homicide)	0	0.0	0	0.0	11	23.3	1	6.5
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	12	218.5	6	98.9	101	213.9	33	213.2

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

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	Dunbar		Elkins		Fairmont		Fayetteville	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	1	17.9	3	15.1	1	58.8
Total Deaths, All Causes	120	16.7	104	14.8	244	13.3	31	11.2
--Deaths Under One Year	1	11.2	0	0.0	0	0.0	0	0.0
--Deaths Under 28 Days	1	11.2	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	27.8	0	0.0	6	32.6	1	36.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	19	263.7	16	227.7	39	211.8	5	181.0
--of Digestive Organs	5	69.4	6	85.4	7	38.0	1	36.2
----Colon	3	41.6	1	14.2	4	21.7	0	0.0
----Pancreas	0	0.0	2	28.5	1	5.4	0	0.0
--of Respiratory and Intrathoracic Organs	7	97.2	3	42.7	9	48.9	2	72.4
----Trachea, Bronchus and Lung	7	97.2	3	42.7	9	48.9	2	72.4
--of Breast	0	0.0	0	0.0	2	10.9	0	0.0
--of Genitourinary Organs	1	13.9	4	56.9	7	38.0	1	36.2
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	0	0.0	0	0.0
----Prostate	1	13.9	1	14.2	1	5.4	0	0.0
----Bladder	0	0.0	0	0.0	4	21.7	0	0.0
--All Other (Malignant Neoplasms)	6	83.3	3	42.7	14	76.0	1	36.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	3	41.6	3	42.7	11	59.7	0	0.0
Dementia	10	138.8	5	71.2	11	59.7	1	36.2
Alzheimer's Disease	6	83.3	9	128.1	9	48.9	0	0.0
Major Cardiovascular Disease	33	458.0	32	455.5	88	478.0	10	362.1
--Diseases of the Heart	21	291.5	27	384.3	73	396.5	6	217.2
----Ischemic Heart Disease	16	222.1	18	256.2	65	353.0	3	108.6
--Essential Hypertension and Hypertensive Renal Disease	3	41.6	2	28.5	4	21.7	0	0.0
--Cerebrovascular Diseases (Stroke)	7	97.2	2	28.5	10	54.3	3	108.6
--Arteriosclerosis	0	0.0	0	0.0	1	5.4	1	36.2
--Other Diseases of Arteries, Arterioles and Capillaries	2	27.8	1	14.2	0	0.0	0	0.0
Influenza and Pneumonia	1	13.9	2	28.5	8	43.5	0	0.0
--Influenza	0	0.0	0	0.0	2	10.9	0	0.0
--Pneumonia	1	13.9	2	28.5	6	32.6	0	0.0
Chronic Lower Respiratory Diseases	12	166.6	7	99.6	15	81.5	2	72.4
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	1	36.2
Lung Diseases due to External Agents	0	0.0	1	14.2	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	1	14.2	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	41.6	2	28.5	1	5.4	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	2	27.8	3	42.7	4	21.7	0	0.0
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	13.9	0	0.0	2	10.9	1	36.2
Accidents, All Forms	7	97.2	6	85.4	10	54.3	2	72.4
--Motor Vehicle	1	13.9	0	0.0	0	0.0	0	0.0
--Falls	5	69.4	3	42.7	5	27.2	1	36.2
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	1	13.9	1	14.2	5	27.2	1	36.2
--Other Accidents	0	0.0	2	28.5	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	5	69.4	2	28.5	4	21.7	0	0.0
Assault (Homicide)	0	0.0	1	14.2	1	5.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	10.9	0	0.0
All Other Causes (Residual)	16	222.1	15	213.5	33	179.2	9	325.9

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	Follansbee		Grafton		Granville		Huntington	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	2	44.4	0	0.0	2	4.3
Total Deaths, All Causes	33	12.1	89	17.7	10	3.9	748	16.2
--Deaths Under One Year	1	37.0	0	0.0	0	0.0	6	12.9
--Deaths Under 28 Days	1	37.0	0	0.0	0	0.0	4	8.6
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	2	39.7	0	0.0	7	15.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	2.2
Malignant Neoplasms	8	292.5	16	317.5	0	0.0	128	278.0
--of Digestive Organs	4	146.3	3	59.5	0	0.0	34	73.8
----Colon	1	36.6	2	39.7	0	0.0	12	26.1
----Pancreas	2	73.1	1	19.8	0	0.0	13	28.2
--of Respiratory and Intrathoracic Organs	1	36.6	8	158.7	0	0.0	42	91.2
----Trachea, Bronchus and Lung	1	36.6	7	138.9	0	0.0	38	82.5
--of Breast	0	0.0	0	0.0	0	0.0	5	10.9
--of Genitourinary Organs	1	36.6	3	59.5	0	0.0	14	30.4
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	2.2
----Ovary	0	0.0	1	19.8	0	0.0	0	0.0
----Prostate	0	0.0	0	0.0	0	0.0	4	8.7
----Bladder	0	0.0	1	19.8	0	0.0	3	6.5
--All Other (Malignant Neoplasms)	2	73.1	2	39.7	0	0.0	33	71.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	2	4.3
Diabetes Mellitus	0	0.0	5	99.2	0	0.0	25	54.3
Dementia	4	146.3	1	19.8	1	38.6	39	84.7
Alzheimer's Disease	0	0.0	5	99.2	0	0.0	22	47.8
Major Cardiovascular Disease	7	255.9	22	436.5	2	77.2	168	364.8
--Diseases of the Heart	6	219.4	18	357.1	1	38.6	132	286.7
----Ischemic Heart Disease	4	146.3	11	218.3	1	38.6	88	191.1
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	19.8	1	38.6	11	23.9
--Cerebrovascular Diseases (Stroke)	1	36.6	2	39.7	0	0.0	23	49.9
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	19.8	0	0.0	2	4.3
Influenza and Pneumonia	0	0.0	4	79.4	2	77.2	14	30.4
--Influenza	0	0.0	1	19.8	0	0.0	5	10.9
--Pneumonia	0	0.0	3	59.5	2	77.2	9	19.5
Chronic Lower Respiratory Diseases	2	73.1	11	218.3	1	38.6	43	93.4
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	3	6.5
Lung Diseases due to External Agents	0	0.0	1	19.8	0	0.0	3	6.5
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	1	19.8	0	0.0	13	28.2
Nephritis, Nephrotic Syndrome and Nephrosis	3	109.7	3	59.5	0	0.0	23	49.9
Congenital Malformations	0	0.0	0	0.0	0	0.0	4	8.7
Ill-Defined and Unknown Causes of Death	0	0.0	0	0.0	0	0.0	19	41.3
Accidents, All Forms	4	146.3	3	59.5	3	115.8	111	241.1
--Motor Vehicle	1	36.6	1	19.8	0	0.0	3	6.5
--Falls	0	0.0	1	19.8	0	0.0	20	43.4
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	3	109.7	1	19.8	2	77.2	84	182.4
--Other Accidents	0	0.0	0	0.0	1	38.6	4	8.7
Intentional Self-Harm (Suicide)	0	0.0	2	39.7	0	0.0	9	19.5
Assault (Homicide)	0	0.0	0	0.0	0	0.0	4	8.7
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	5	182.8	13	257.9	1	38.6	113	245.4

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	Hurricane		Kenova		Keyser		Kingwood	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	15.2	0	0.0	1	20.0	1	22.7
Total Deaths, All Causes	82	12.6	43	14.2	77	15.4	51	17.4
--Deaths Under One Year	1	15.2	0	0.0	0	0.0	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	1	32.9	0	0.0	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	21	322.8	9	296.3	17	341.0	11	374.3
--of Digestive Organs	3	46.1	2	65.9	5	100.3	2	68.1
----Colon	1	15.4	0	0.0	2	40.1	0	0.0
----Pancreas	2	30.7	0	0.0	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	6	92.2	4	131.7	3	60.2	2	68.1
----Trachea, Bronchus and Lung	6	92.2	4	131.7	3	60.2	2	68.1
--of Breast	1	15.4	0	0.0	3	60.2	0	0.0
--of Genitourinary Organs	3	46.1	3	98.8	1	20.1	3	102.1
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	0	0.0	0	0.0
----Prostate	0	0.0	0	0.0	1	20.1	2	68.1
----Bladder	1	15.4	2	65.9	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	8	123.0	0	0.0	5	100.3	4	136.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	32.9	0	0.0	1	34.0
Diabetes Mellitus	4	61.5	1	32.9	5	100.3	8	272.2
Dementia	6	92.2	1	32.9	3	60.2	1	34.0
Alzheimer's Disease	4	61.5	1	32.9	2	40.1	3	102.1
Major Cardiovascular Disease	16	245.9	8	263.4	21	421.3	14	476.4
--Diseases of the Heart	12	184.4	5	164.6	12	240.7	9	306.2
----Ischemic Heart Disease	8	123.0	3	98.8	9	180.5	3	102.1
--Essential Hypertension and Hypertensive Renal Disease	1	15.4	1	32.9	1	20.1	1	34.0
--Cerebrovascular Diseases (Stroke)	3	46.1	1	32.9	7	140.4	3	102.1
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	32.9	1	20.1	1	34.0
Influenza and Pneumonia	1	15.4	3	98.8	2	40.1	2	68.1
--Influenza	0	0.0	2	65.9	0	0.0	0	0.0
--Pneumonia	1	15.4	1	32.9	2	40.1	2	68.1
Chronic Lower Respiratory Diseases	5	76.9	3	98.8	8	160.5	4	136.1
--Bronchitis, Emphysema and Asthma	2	30.7	0	0.0	1	20.1	0	0.0
Lung Diseases due to External Agents	1	15.4	1	32.9	0	0.0	1	34.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	2	65.9	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	3	46.1	0	0.0	1	20.1	1	34.0
Congenital Malformations	1	15.4	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	3	46.1	0	0.0	2	40.1	1	34.0
Accidents, All Forms	3	46.1	3	98.8	5	100.3	1	34.0
--Motor Vehicle	0	0.0	0	0.0	0	0.0	0	0.0
--Falls	1	15.4	1	32.9	2	40.1	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	2	30.7	2	65.9	3	60.2	0	0.0
--Other Accidents	0	0.0	0	0.0	0	0.0	1	34.0
Intentional Self-Harm (Suicide)	1	15.4	1	32.9	1	20.1	0	0.0
Assault (Homicide)	0	0.0	0	0.0	0	0.0	1	34.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	40.1	0	0.0
All Other Causes (Residual)	13	199.8	8	263.4	8	160.5	2	68.1

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	Lewisburg		Madison		Martinsburg		Milton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	41.7	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	61	15.9	49	17.8	223	12.8	42	16.4
--Deaths Under One Year	0	0.0	0	0.0	3	9.4	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	2	6.3	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	4	145.0	4	22.9	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	5	130.5	8	290.1	43	246.2	7	272.6
--of Digestive Organs	1	26.1	1	36.3	8	45.8	2	77.9
----Colon	1	26.1	0	0.0	1	5.7	1	38.9
----Pancreas	0	0.0	0	0.0	2	11.5	1	38.9
--of Respiratory and Intrathoracic Organs	0	0.0	2	72.5	8	45.8	2	77.9
----Trachea, Bronchus and Lung	0	0.0	2	72.5	7	40.1	2	77.9
--of Breast	2	52.2	1	36.3	7	40.1	0	0.0
--of Genitourinary Organs	1	26.1	2	72.5	5	28.6	1	38.9
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	1	5.7	0	0.0
----Prostate	0	0.0	0	0.0	1	5.7	0	0.0
----Bladder	0	0.0	0	0.0	3	17.2	0	0.0
--All Other (Malignant Neoplasms)	1	26.1	2	72.5	15	85.9	2	77.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	2	77.9
Diabetes Mellitus	2	52.2	3	108.8	5	28.6	2	77.9
Dementia	3	78.3	1	36.3	7	40.1	1	38.9
Alzheimer's Disease	4	104.4	2	72.5	3	17.2	1	38.9
Major Cardiovascular Disease	23	600.4	11	398.8	56	320.6	11	428.3
--Diseases of the Heart	15	391.5	9	326.3	44	251.9	9	350.5
----Ischemic Heart Disease	8	208.8	6	217.5	26	148.9	7	272.6
--Essential Hypertension and Hypertensive Renal Disease	2	52.2	0	0.0	4	22.9	0	0.0
--Cerebrovascular Diseases (Stroke)	6	156.6	1	36.3	6	34.4	2	77.9
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	36.3	2	11.5	0	0.0
Influenza and Pneumonia	3	78.3	0	0.0	5	28.6	0	0.0
--Influenza	0	0.0	0	0.0	1	5.7	0	0.0
--Pneumonia	3	78.3	0	0.0	4	22.9	0	0.0
Chronic Lower Respiratory Diseases	4	104.4	3	108.8	18	103.1	4	155.8
--Bronchitis, Emphysema and Asthma	1	26.1	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	1	26.1	1	36.3	3	17.2	1	38.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	52.2	0	0.0	2	11.5	1	38.9
Nephritis, Nephrotic Syndrome and Nephrosis	2	52.2	2	72.5	5	28.6	2	77.9
Congenital Malformations	0	0.0	0	0.0	2	11.5	0	0.0
Ill-Defined and Unknown Causes of Death	1	26.1	1	36.3	1	5.7	0	0.0
Accidents, All Forms	0	0.0	3	108.8	21	120.2	6	233.6
--Motor Vehicle	0	0.0	0	0.0	1	5.7	2	77.9
--Falls	0	0.0	0	0.0	3	17.2	1	38.9
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	0	0.0	3	108.8	14	80.2	2	77.9
--Other Accidents	0	0.0	0	0.0	3	17.2	1	38.9
Intentional Self-Harm (Suicide)	1	26.1	0	0.0	5	28.6	0	0.0
Assault (Homicide)	0	0.0	0	0.0	1	5.7	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	11.5	0	0.0
All Other Causes (Residual)	10	261.0	10	362.6	40	229.0	4	155.8

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

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	Moorefield		Morgantown		Moundsville		New Martinsville	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	1	12.3	0	0.0
Total Deaths, All Causes	37	15.2	163	5.3	136	16.2	96	18.7
--Deaths Under One Year	0	0.0	4	20.2	0	0.0	0	0.0
--Deaths Under 28 Days	0	0.0	2	10.1	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	2	6.5	3	35.7	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	7	287.8	36	116.3	25	297.6	20	389.0
--of Digestive Organs	2	82.2	11	35.5	10	119.0	4	77.8
----Colon	1	41.1	5	16.2	4	47.6	0	0.0
----Pancreas	1	41.1	3	9.7	2	23.8	1	19.5
--of Respiratory and Intrathoracic Organs	2	82.2	10	32.3	11	130.9	3	58.4
----Trachea, Bronchus and Lung	2	82.2	10	32.3	11	130.9	3	58.4
--of Breast	0	0.0	1	3.2	1	11.9	3	58.4
--of Genitourinary Organs	1	41.1	4	12.9	1	11.9	5	97.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	2	6.5	1	11.9	0	0.0
----Prostate	1	41.1	0	0.0	0	0.0	2	38.9
----Bladder	0	0.0	0	0.0	0	0.0	1	19.5
--All Other (Malignant Neoplasms)	2	82.2	10	32.3	2	23.8	5	97.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	3.2	1	11.9	0	0.0
Diabetes Mellitus	0	0.0	2	6.5	4	47.6	1	19.5
Dementia	0	0.0	12	38.8	5	59.5	3	58.4
Alzheimer's Disease	1	41.1	8	25.8	5	59.5	4	77.8
Major Cardiovascular Disease	10	411.2	46	148.6	48	571.4	22	427.9
--Diseases of the Heart	9	370.1	32	103.4	36	428.5	17	330.7
----Ischemic Heart Disease	4	164.5	20	64.6	25	297.6	8	155.6
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	4	12.9	2	23.8	1	19.5
--Cerebrovascular Diseases (Stroke)	1	41.1	7	22.6	10	119.0	2	38.9
--Arteriosclerosis	0	0.0	1	3.2	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	6.5	0	0.0	2	38.9
Influenza and Pneumonia	0	0.0	2	6.5	5	59.5	5	97.3
--Influenza	0	0.0	0	0.0	2	23.8	2	38.9
--Pneumonia	0	0.0	2	6.5	3	35.7	3	58.4
Chronic Lower Respiratory Diseases	3	123.4	10	32.3	14	166.6	9	175.1
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	11.9	2	38.9
Lung Diseases due to External Agents	1	41.1	3	9.7	1	11.9	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	2	6.5	0	0.0	1	19.5
Nephritis, Nephrotic Syndrome and Nephrosis	1	41.1	3	9.7	3	35.7	3	58.4
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	3	123.4	3	9.7	4	47.6	2	38.9
Accidents, All Forms	4	164.5	11	35.5	7	83.3	7	136.2
--Motor Vehicle	1	41.1	2	6.5	0	0.0	4	77.8
--Falls	0	0.0	3	9.7	3	35.7	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	3	123.4	6	19.4	3	35.7	3	58.4
--Other Accidents	0	0.0	0	0.0	1	11.9	0	0.0
Intentional Self-Harm (Suicide)	0	0.0	4	12.9	3	35.7	2	38.9
Assault (Homicide)	1	41.1	0	0.0	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)	6	246.7	18	58.1	8	95.2	17	330.7

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	Nitro		Oak Hill		Parkersburg		Petersburg	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	1	10.4	2	5.3	1	40.0
Total Deaths, All Causes	86	13.3	108	13.1	461	15.5	48	18.3
--Deaths Under One Year	0	0.0	2	20.8	2	5.3	0	0.0
--Deaths Under 28 Days	0	0.0	1	10.4	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	1	12.2	3	10.1	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	20	309.5	21	255.5	80	269.6	11	419.7
--of Digestive Organs	9	139.3	4	48.7	14	47.2	2	76.3
----Colon	2	31.0	2	24.3	8	27.0	1	38.2
----Pancreas	5	77.4	0	0.0	4	13.5	1	38.2
--of Respiratory and Intrathoracic Organs	5	77.4	9	109.5	36	121.3	4	152.6
----Trachea, Bronchus and Lung	5	77.4	7	85.2	33	111.2	4	152.6
--of Breast	0	0.0	2	24.3	5	16.8	0	0.0
--of Genitourinary Organs	2	31.0	2	24.3	6	20.2	1	38.2
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	38.2
----Ovary	0	0.0	0	0.0	1	3.4	0	0.0
----Prostate	0	0.0	0	0.0	4	13.5	0	0.0
----Bladder	1	15.5	1	12.2	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	4	61.9	4	48.7	19	64.0	4	152.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	15.5	0	0.0	2	6.7	0	0.0
Diabetes Mellitus	2	31.0	7	85.2	17	57.3	0	0.0
Dementia	2	31.0	3	36.5	27	91.0	1	38.2
Alzheimer's Disease	5	77.4	3	36.5	16	53.9	0	0.0
Major Cardiovascular Disease	25	386.9	24	292.0	128	431.3	18	686.8
--Diseases of the Heart	22	340.5	17	206.9	101	340.4	9	343.4
----Ischemic Heart Disease	14	216.7	13	158.2	63	212.3	4	152.6
--Essential Hypertension and Hypertensive Renal Disease	1	15.5	1	12.2	1	3.4	0	0.0
--Cerebrovascular Diseases (Stroke)	1	15.5	6	73.0	26	87.6	3	114.5
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	4	152.6
--Other Diseases of Arteries, Arterioles and Capillaries	1	15.5	0	0.0	0	0.0	2	76.3
Influenza and Pneumonia	2	31.0	4	48.7	12	40.4	1	38.2
--Influenza	0	0.0	1	12.2	2	6.7	0	0.0
--Pneumonia	2	31.0	3	36.5	10	33.7	1	38.2
Chronic Lower Respiratory Diseases	6	92.9	9	109.5	42	141.5	3	114.5
--Bronchitis, Emphysema and Asthma	1	15.5	1	12.2	1	3.4	0	0.0
Lung Diseases due to External Agents	0	0.0	1	12.2	0	0.0	1	38.2
--Coal Worker's Pneumoconiosis	0	0.0	1	12.2	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	31.0	1	12.2	8	27.0	1	38.2
Nephritis, Nephrotic Syndrome and Nephrosis	3	46.4	0	0.0	9	30.3	1	38.2
Congenital Malformations	0	0.0	1	12.2	1	3.4	0	0.0
Ill-Defined and Unknown Causes of Death	1	15.5	0	0.0	3	10.1	2	76.3
Accidents, All Forms	9	139.3	11	133.9	24	80.9	4	152.6
--Motor Vehicle	0	0.0	0	0.0	2	6.7	0	0.0
--Falls	3	46.4	3	36.5	3	10.1	0	0.0
--Drownings	0	0.0	1	12.2	1	3.4	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	2	6.7	0	0.0
--Poisonings	4	61.9	7	85.2	16	53.9	4	152.6
--Other Accidents	2	31.0	0	0.0	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	1	15.5	1	12.2	12	40.4	1	38.2
Assault (Homicide)	0	0.0	0	0.0	3	10.1	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	108.3	21	255.5	74	249.4	4	152.6

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	Philippi		Pleasant Valley		Point Pleasant		Princeton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	21	6.3	39	12.4	63	15.3	99	17.2
--Deaths Under One Year	0	0.0	0	0.0	2	46.5	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	29.8	0	0.0	2	48.5	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	4	119.3	8	254.4	10	242.7	13	226.4
--of Digestive Organs	1	29.8	4	127.2	4	97.1	3	52.3
----Colon	1	29.8	2	63.6	2	48.5	1	17.4
----Pancreas	0	0.0	0	0.0	0	0.0	1	17.4
--of Respiratory and Intrathoracic Organs	0	0.0	0	0.0	4	97.1	4	69.7
----Trachea, Bronchus and Lung	0	0.0	0	0.0	4	97.1	4	69.7
--of Breast	0	0.0	0	0.0	0	0.0	0	0.0
--of Genitourinary Organs	0	0.0	1	31.8	0	0.0	2	34.8
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	0	0.0	1	17.4
----Prostate	0	0.0	0	0.0	0	0.0	1	17.4
----Bladder	0	0.0	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	3	89.5	3	95.4	2	48.5	4	69.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	1	24.3	1	17.4
Diabetes Mellitus	1	29.8	0	0.0	5	121.3	3	52.3
Dementia	1	29.8	4	127.2	3	72.8	4	69.7
Alzheimer's Disease	0	0.0	0	0.0	2	48.5	2	34.8
Major Cardiovascular Disease	4	119.3	10	318.0	17	412.5	26	452.9
--Diseases of the Heart	4	119.3	8	254.4	15	364.0	20	348.4
----Ischemic Heart Disease	2	59.7	6	190.8	11	266.9	12	209.0
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	0	0.0	0	0.0	1	17.4
--Cerebrovascular Diseases (Stroke)	0	0.0	2	63.6	2	48.5	5	87.1
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	0	0.0	0	0.0
Influenza and Pneumonia	0	0.0	0	0.0	3	72.8	5	87.1
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	0	0.0	0	0.0	3	72.8	5	87.1
Chronic Lower Respiratory Diseases	3	89.5	1	31.8	2	48.5	11	191.6
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	0	0.0	1	31.8	0	0.0	1	17.4
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	1	31.8	2	48.5	1	17.4
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	0	0.0	0	0.0	3	52.3
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	0	0.0	1	24.3	4	69.7
Accidents, All Forms	2	59.7	4	127.2	5	121.3	5	87.1
--Motor Vehicle	1	29.8	1	31.8	0	0.0	1	17.4
--Falls	0	0.0	3	95.4	2	48.5	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	1	29.8	0	0.0	2	48.5	4	69.7
--Other Accidents	0	0.0	0	0.0	1	24.3	0	0.0
Intentional Self-Harm (Suicide)	1	29.8	1	31.8	2	48.5	1	17.4
Assault (Homicide)	0	0.0	1	31.8	0	0.0	1	17.4
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	4	119.3	8	254.4	8	194.1	18	313.5

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	Ranson		Ravenswood		Ripley		Saint Albans	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	15.9	2	43.5	0	0.0	0	0.0
Total Deaths, All Causes	45	8.7	77	21.0	63	19.8	178	17.7
--Deaths Under One Year	1	15.9	1	21.7	0	0.0	1	9.7
--Deaths Under 28 Days	1	15.9	1	21.7	0	0.0	1	9.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	1	27.3	0	0.0	3	29.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	13	250.9	10	272.6	10	314.0	39	387.3
--of Digestive Organs	2	38.6	2	54.5	1	31.4	6	59.6
----Colon	1	19.3	1	27.3	0	0.0	1	9.9
----Pancreas	0	0.0	1	27.3	1	31.4	1	9.9
--of Respiratory and Intrathoracic Organs	4	77.2	2	54.5	4	125.6	10	99.3
----Trachea, Bronchus and Lung	4	77.2	2	54.5	4	125.6	10	99.3
--of Breast	1	19.3	0	0.0	1	31.4	1	9.9
--of Genitourinary Organs	3	57.9	4	109.1	1	31.4	6	59.6
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	19.3	1	27.3	0	0.0	0	0.0
----Prostate	2	38.6	0	0.0	1	31.4	3	29.8
----Bladder	0	0.0	0	0.0	0	0.0	2	19.9
--All Other (Malignant Neoplasms)	3	57.9	2	54.5	3	94.2	16	158.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	19.3	0	0.0	0	0.0	3	29.8
Diabetes Mellitus	2	38.6	6	163.6	6	188.4	6	59.6
Dementia	2	38.6	3	81.8	0	0.0	8	79.5
Alzheimer's Disease	0	0.0	5	136.3	4	125.6	6	59.6
Major Cardiovascular Disease	12	231.6	22	599.8	16	502.4	51	506.5
--Diseases of the Heart	9	173.7	17	463.5	12	376.8	42	417.1
----Ischemic Heart Disease	3	57.9	6	163.6	6	188.4	20	198.6
--Essential Hypertension and Hypertensive Renal Disease	1	19.3	2	54.5	3	94.2	1	9.9
--Cerebrovascular Diseases (Stroke)	2	38.6	1	27.3	1	31.4	7	69.5
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	54.5	0	0.0	1	9.9
Influenza and Pneumonia	0	0.0	6	163.6	1	31.4	3	29.8
--Influenza	0	0.0	1	27.3	0	0.0	1	9.9
--Pneumonia	0	0.0	5	136.3	1	31.4	2	19.9
Chronic Lower Respiratory Diseases	3	57.9	4	109.1	6	188.4	9	89.4
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	0	0.0	0	0.0	1	31.4	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	1	27.3	0	0.0	1	9.9
Nephritis, Nephrotic Syndrome and Nephrosis	1	19.3	3	81.8	1	31.4	6	59.6
Congenital Malformations	0	0.0	0	0.0	0	0.0	1	9.9
Ill-Defined and Unknown Causes of Death	0	0.0	3	81.8	0	0.0	5	49.7
Accidents, All Forms	6	115.8	2	54.5	3	94.2	13	129.1
--Motor Vehicle	2	38.6	1	27.3	2	62.8	2	19.9
--Falls	0	0.0	0	0.0	1	31.4	4	39.7
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	4	77.2	1	27.3	0	0.0	6	59.6
--Other Accidents	0	0.0	0	0.0	0	0.0	1	9.9
Intentional Self-Harm (Suicide)	0	0.0	3	81.8	1	31.4	7	69.5
Assault (Homicide)	0	0.0	1	27.3	1	31.4	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)	5	96.5	7	190.8	13	408.2	17	168.8

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Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City							
	South Charleston		Summersville		Vienna		Weirton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	14.8	0	0.0	0	0.0	1	6.2
Total Deaths, All Causes	169	13.8	44	13.2	129	12.6	289	15.7
--Deaths Under One Year	0	0.0	0	0.0	1	8.9	2	12.3
--Deaths Under 28 Days	0	0.0	0	0.0	1	8.9	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	24.5	2	60.2	7	68.4	7	37.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	30	245.1	8	240.8	26	254.2	48	260.2
--of Digestive Organs	8	65.4	0	0.0	7	68.4	13	70.5
----Colon	1	8.2	0	0.0	2	19.6	1	5.4
----Pancreas	3	24.5	0	0.0	4	39.1	5	27.1
--of Respiratory and Intrathoracic Organs	12	98.0	3	90.3	3	29.3	9	48.8
----Trachea, Bronchus and Lung	12	98.0	3	90.3	2	19.6	9	48.8
--of Breast	1	8.2	1	30.1	3	29.3	2	10.8
--of Genitourinary Organs	5	40.8	2	60.2	5	48.9	11	59.6
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	5.4
----Ovary	0	0.0	1	30.1	0	0.0	3	16.3
----Prostate	3	24.5	1	30.1	3	29.3	5	27.1
----Bladder	0	0.0	0	0.0	1	9.8	1	5.4
--All Other (Malignant Neoplasms)	4	32.7	2	60.2	8	78.2	13	70.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	4	39.1	0	0.0
Diabetes Mellitus	5	40.8	1	30.1	5	48.9	14	75.9
Dementia	7	57.2	5	150.5	4	39.1	14	75.9
Alzheimer's Disease	8	65.4	2	60.2	3	29.3	1	5.4
Major Cardiovascular Disease	33	269.6	10	301.0	37	361.7	98	531.2
--Diseases of the Heart	26	212.4	7	210.7	31	303.0	82	444.5
----Ischemic Heart Disease	13	106.2	3	90.3	22	215.1	54	292.7
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	30.1	1	9.8	1	5.4
--Cerebrovascular Diseases (Stroke)	4	32.7	2	60.2	5	48.9	12	65.0
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	1	5.4
--Other Diseases of Arteries, Arterioles and Capillaries	3	24.5	0	0.0	0	0.0	2	10.8
Influenza and Pneumonia	5	40.8	1	30.1	3	29.3	14	75.9
--Influenza	2	16.3	0	0.0	1	9.8	0	0.0
--Pneumonia	3	24.5	1	30.1	2	19.6	14	75.9
Chronic Lower Respiratory Diseases	18	147.1	2	60.2	5	48.9	16	86.7
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	1	5.4
Lung Diseases due to External Agents	3	24.5	0	0.0	1	9.8	4	21.7
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	32.7	1	30.1	2	19.6	5	27.1
Nephritis, Nephrotic Syndrome and Nephrosis	3	24.5	1	30.1	3	29.3	4	21.7
Congenital Malformations	0	0.0	0	0.0	0	0.0	1	5.4
Ill-Defined and Unknown Causes of Death	1	8.2	0	0.0	1	9.8	12	65.0
Accidents, All Forms	14	114.4	2	60.2	4	39.1	14	75.9
--Motor Vehicle	3	24.5	0	0.0	0	0.0	1	5.4
--Falls	4	32.7	2	60.2	2	19.6	6	32.5
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	3	16.3
--Poisonings	7	57.2	0	0.0	2	19.6	4	21.7
--Other Accidents	0	0.0	0	0.0	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	4	32.7	0	0.0	3	29.3	1	5.4
Assault (Homicide)	1	8.2	0	0.0	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)	30	245.1	9	270.9	21	205.3	36	195.1

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, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Wellsburg		Weston		Westover	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	1	22.2	0	0.0
Total Deaths, All Causes	40	15.6	68	17.4	49	11.6
--Deaths Under One Year	0	0.0	1	22.2	0	0.0
--Deaths Under 28 Days	0	0.0	1	22.2	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	1	39.1	1	25.6	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	9	351.7	14	358.1	11	260.8
--of Digestive Organs	0	0.0	1	25.6	1	23.7
----Colon	0	0.0	1	25.6	0	0.0
----Pancreas	0	0.0	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	4	156.3	2	51.2	5	118.6
----Trachea, Bronchus and Lung	4	156.3	2	51.2	4	94.9
--of Breast	2	78.2	1	25.6	0	0.0
--of Genitourinary Organs	2	78.2	1	25.6	2	47.4
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	1	39.1	0	0.0	0	0.0
----Prostate	0	0.0	0	0.0	2	47.4
----Bladder	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	1	39.1	9	230.2	3	71.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	1	39.1	2	51.2	2	47.4
Dementia	1	39.1	0	0.0	1	23.7
Alzheimer's Disease	1	39.1	2	51.2	2	47.4
Major Cardiovascular Disease	12	468.9	23	588.2	17	403.1
--Diseases of the Heart	11	429.9	18	460.4	13	308.3
----Ischemic Heart Disease	7	273.5	13	332.5	8	189.7
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	2	51.2	1	23.7
--Cerebrovascular Diseases (Stroke)	1	39.1	2	51.2	3	71.1
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	25.6	0	0.0
Influenza and Pneumonia	1	39.1	3	76.7	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	1	39.1	3	76.7	0	0.0
Chronic Lower Respiratory Diseases	2	78.2	5	127.9	2	47.4
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	0	0.0	0	0.0	1	23.7
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	1	23.7
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	0	0.0	2	47.4
Congenital Malformations	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	39.1	0	0.0	1	23.7
Accidents, All Forms	2	78.2	4	102.3	2	47.4
--Motor Vehicle	0	0.0	0	0.0	0	0.0
--Falls	1	39.1	1	25.6	1	23.7
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	1	39.1	2	51.2	1	23.7
--Other Accidents	0	0.0	1	25.6	0	0.0
Intentional Self-Harm (Suicide)	0	0.0	1	25.6	2	47.4
Assault (Homicide)	0	0.0	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)	9	351.7	13	332.5	5	118.6

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 City  
West Virginia, 2018  
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Wheeling		Williamson		Williamstown	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	397	14.8	49	17.9	21	7.3
--Deaths Under One Year	2	8.3	0	0.0	0	0.0
--Deaths Under 28 Days	2	8.3	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	7	26.1	0	0.0	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	79	295.1	7	255.1	8	277.6
--of Digestive Organs	26	97.1	0	0.0	2	69.4
----Colon	8	29.9	0	0.0	1	34.7
----Pancreas	9	33.6	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	31	115.8	4	145.8	1	34.7
----Trachea, Bronchus and Lung	31	115.8	4	145.8	1	34.7
--of Breast	4	14.9	0	0.0	1	34.7
--of Genitourinary Organs	3	11.2	1	36.4	1	34.7
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	1	34.7
----Prostate	1	3.7	0	0.0	0	0.0
----Bladder	2	7.5	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	15	56.0	2	72.9	3	104.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	11.2	2	72.9	0	0.0
Diabetes Mellitus	20	74.7	3	109.3	1	34.7
Dementia	27	100.9	1	36.4	1	34.7
Alzheimer's Disease	6	22.4	3	109.3	0	0.0
Major Cardiovascular Disease	109	407.2	16	583.1	5	173.5
--Diseases of the Heart	81	302.6	14	510.2	5	173.5
----Ischemic Heart Disease	52	194.2	8	291.5	2	69.4
--Essential Hypertension and Hypertensive Renal Disease	5	18.7	1	36.4	0	0.0
--Cerebrovascular Diseases (Stroke)	21	78.4	1	36.4	0	0.0
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	7.5	0	0.0	0	0.0
Influenza and Pneumonia	25	93.4	1	36.4	2	69.4
--Influenza	8	29.9	0	0.0	0	0.0
--Pneumonia	17	63.5	1	36.4	2	69.4
Chronic Lower Respiratory Diseases	20	74.7	3	109.3	3	104.1
--Bronchitis, Emphysema and Asthma	1	3.7	0	0.0	0	0.0
Lung Diseases due to External Agents	5	18.7	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	11.2	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	10	37.4	1	36.4	1	34.7
Congenital Malformations	2	7.5	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	5	18.7	0	0.0	0	0.0
Accidents, All Forms	21	78.4	4	145.8	0	0.0
--Motor Vehicle	1	3.7	1	36.4	0	0.0
--Falls	6	22.4	0	0.0	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	1	3.7	0	0.0	0	0.0
--Poisonings	11	41.1	1	36.4	0	0.0
--Other Accidents	2	7.5	2	72.9	0	0.0
Intentional Self-Harm (Suicide)	3	11.2	1	36.4	0	0.0
Assault (Homicide)	1	3.7	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)	51	190.5	7	255.1	0	0.0

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.





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 Termination of Pregnancy (ITOP), and paternity affidavits occurring in calendar year 2018 and filed in the state office of vital statistics prior to February 18, 2019. Vital events occurring to West Virginia residents in other states and tabulated by June 1, 2019, 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, 165 births occurred within the geographic confines of Lewis County of which only so many were to mothers who reside in Lewis County; the remainder resides in other counties or states. Resident births for the county for 2018 totaled 176 which include 68 births that occurred in Lewis County and 108 births to Lewis County residents that occurred elsewhere. With the exception of Tables 11, 12, 13, 14, 16, 57 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 66, 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 34 presents the number of infant deaths by race of mother while the table on page 77 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 174, “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 2018 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 2018 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

## APPENDIX B (Cont'd)

the mother's usual place of residence.

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

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

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





West Virginia Vital Statistics

**Appendix C:**

**Grams Conversion**

APPENDIX C  
Converting Pounds/Ounces into Grams

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

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Health Statistics Center, Vital Statistics System, 2022