



WEST VIRGINIA VITAL STATISTICS 2019

SEVENTY-THIRD ANNUAL REPORT

WEST VIRGINIA VITAL STATISTICS 2019



Jim Justice
Governor

Bill J. Crouch
Cabinet Secretary
West Virginia Department of Health and Human Resources

Ayne Amjad, MD, MPH
Commissioner and State Health Officer
Bureau for Public Health

Amy D. Atkins, MPA
Deputy Commissioner, Health Improvement
Bureau for Public Health

Birgit A. Shanholtzer, MA
Director
Health Statistics Center
Bureau for Public Health

Matthew R. Wickert, BS
State Registrar
Health Statistics Center

R. Douglas Thompson,
Deputy State Registrar
Health Statistics Center

Tom Light, Primary Author
2018 WV Vital Statistics

Statistical Staff Contributing to This Report

Tonya A. Chaney, MA, Division of Epidemiology Manager
Allysa B. Crews, MS, Epidemiologist

All individuals listed were in office at time of report distribution

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or call (304) 558-9100

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FOREWORD

The *West Virginia Vital Statistics 2019* publication provides an in-depth look at births, deaths, Induced Terminations of Pregnancy (ITOPs), infant deaths, fetal deaths, marriages and divorces that occurred among state residents in 2019.

West Virginia had a natural decrease in population (excess of deaths over births) for the twelfth year in a row. West Virginia dropped in overall population between 2018 and 2019 and only five of the 55 counties gained population.

The number of births decreased (18,243 to 18,090) from 2018 to 2019. 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 again in 2019 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 71.8% of these births, increasing from 71.0% in 2018.

Of the women who gave birth in 2019, 79.9% received prenatal care during the first trimester of pregnancy while 23.0% smoked during pregnancy. The percentage of low birthweight babies increased from 9.4% in 2018 to 9.8% in 2019. In 2019, 34.2% of all babies were delivered by Cesarean section.

The number of deaths decreased by 171 in 2019 as compared to 2018. The average age at death for West Virginians was 69.4 for men and 75.1 for women. Heart disease, the leading cause of death in West Virginia for the fourth consecutive year, cancer, accidents, and chronic lower respiratory disease were the four leading causes of death, accounting for 56.8% of all deaths among West Virginia residents. Motor vehicle traffic accident deaths decreased by only 3 in 2019, from 333 to 330.

The infant death rate decreased from 7.0 per 1,000 live births in 2018 to 6.2 in 2019. The number of deaths to infants under one year of age decreased by 16 from 128 to 112. Over 80.0% of infant deaths (82.1%) were due to conditions originating in the perinatal period, congenital malformations, and SUIDS (Sudden Unexplained Infant Death Syndrome). The fetal death ratio decreased from 5.6 per 1,000 live births in 2018 to 4.8 in 2019. Almost all (87.2%) of fetal deaths were due to conditions originating in the perinatal period.

The ITOP section contains statistics for terminations performed in West Virginia only. There were 1,332 ITOPs performed in the state in 2019 compared with 1,508 in 2018. In 2019, 43 of these procedures involved a minor under the age of 18 compared with 42 in 2018.

The number of marriages decreased for the eighth year in a row, from 10,950 in 2018 to 10,705. Divorces increased from 5,879 in 2018 to 6,535 in 2019.

Because of limited funds and the high cost of printing, please make copies of this publication and share it with others. Please note that these data can be accessed online later in the year at www.wvdhhr.org/bph/hsc/statserv along with other statistical publications. If you need additional information, please contact the Health Statistics Center at (304) 558-9100 or request online at www.wvdhhr.org/bph/hsc/contactUs.asp.

Birgit A. Shanholtzer, MA
Director
Health Statistics Center

2019 West Virginia and United States Vital Statistics Review

	West Virginia		United States***	
	Number	Rate*	Number	Rate*
Live Births	18,090	10.1	3,747,540	11.4
Deaths	23,291	13.0	2,854,838	8.7
Fetal Deaths	86	**4.8	N/A	N/A
Neonatal Deaths	74	**4.1	13,801	**3.7
Infant Deaths	112	**6.2	20,921	**5.6
Marriages	10,705	6.0	2,015,603	6.1
Divorces & Annulments	6,535	3.6	746,971	2.7
Natural Increase (Decrease)	(5,201)	(2.9)	892,702	2.7
Population (2019 Estimate)	1,792,147		328,239,523	

*Rates based on 2019 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_00-19.pdf

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

Selected Records and Trivia West Virginia, 2019

Natality

Oldest Father: 71
 Youngest Father: 14
 Oldest Mother: 48
 Youngest Mother: 13
 Highest Live Birth Order: 15th Delivery – 14 siblings (brothers and sisters)
 Day Most Births Occurred: September 24 - (90)
 Day Fewest Births Occurred: January 27 - (15)
 Number of Live Born Twins: 612
 Number of Live Born Triplets: 21
 Number of Live Born Quadruplets: 0

Most Popular Names for Babies

<u>Boys' Names</u>	<u>Number</u>	<u>Girls' Names</u>	<u>Number</u>
Liam	117	Harper	96
Mason	93	Olivia	95
Carter	88	Amelia	93
Oliver	80	Emma	84
William	80	Ava	76
Noah	79	Charlotte	65
Elijah	76	Isabella	65
Wyatt	72	Paisley	64
Jackson	71	Abigail	59
Easton & Owen	70	Willow	59

Mortality

Oldest Male Decedent: 105
 Oldest Female Decedent: 110
 Number of Male Decedents 100 Yrs. & Older: 22
 Number of Female Decedents 100 Yrs. & Older: 113
 Day Most Deaths Occurred: October 27 - (92)
 Day Fewest Deaths Occurred: August 27 - (36)

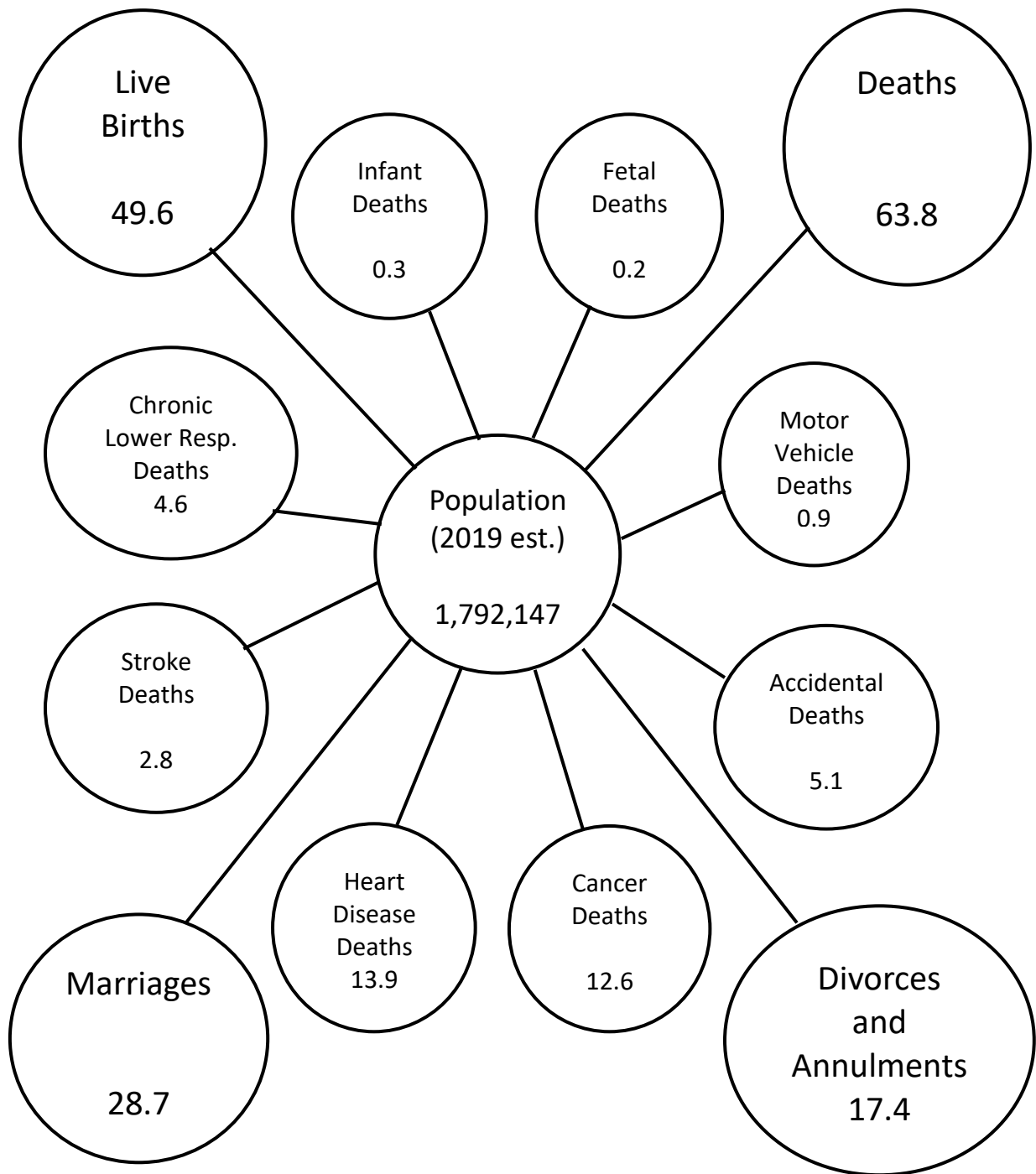
Marriage (Male-Female Marriages Only)

Oldest Groom: 95
 Youngest Groom: 15
 Oldest Bride: 86
 Youngest Bride: 16
 Largest Age Difference with Bride Older: 40 Years
 Largest Age Difference with Groom Older: 44 Years

Divorce (Male-Female Divorces Only)

Oldest Male Divorcé: 92
 Youngest Male Divorcé: 18
 Oldest Female Divorcée: 88
 Youngest Female Divorcée: 17
 Marriage of Longest Duration Ending in Divorce: 60 Years

Average Day Statistics West Virginia, 2019





West Virginia Vital Statistics
Population

Population Summary

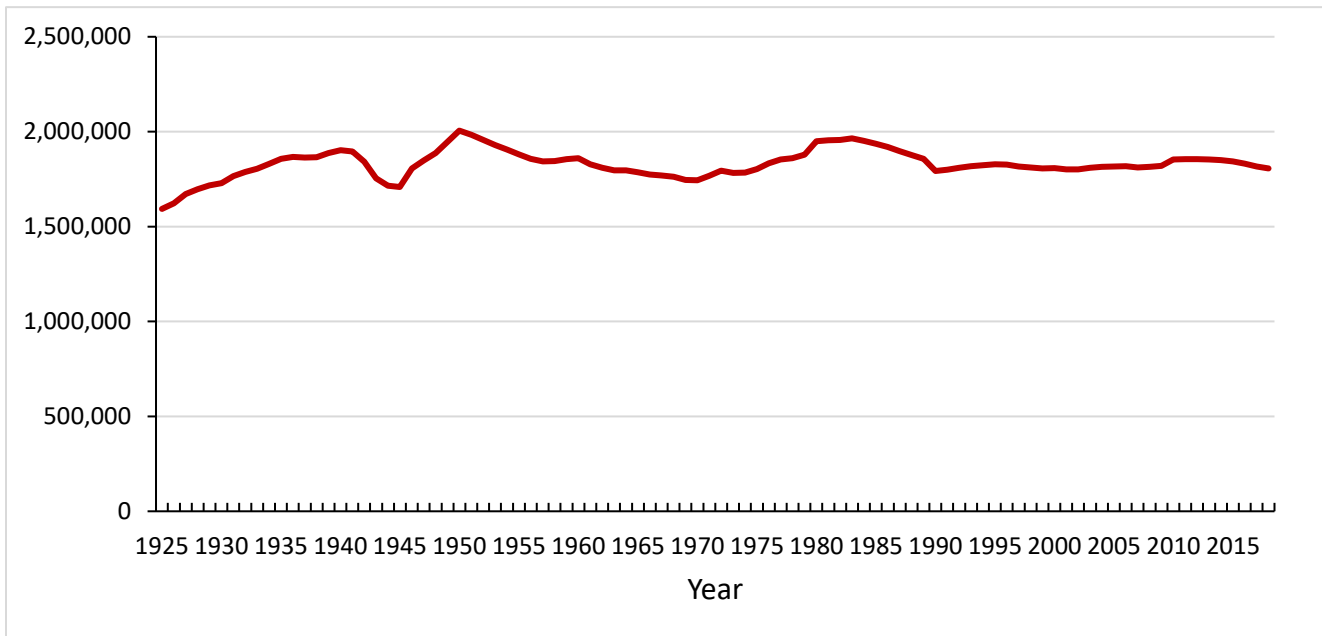
In 2019, 5,201 West Virginians were lost to the total population as a result of resident deaths exceeding resident births. The U.S. Census Bureau shows an overall decrease (approximately 3.3%) in the state's population since 2010, from 1,852,994 to 1,792,147. This decrease is the result of a mostly natural decrease (excess of deaths over births) as well as a growth in the excess of outmigration over immigration during that span.

There has been a decrease in the overall population from 2010 to 2019; however, approximately one-eighth (7) of the state's 55 counties have shown an increase. Furthermore, 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. 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, 1925-2019

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%
2019*	1,792,147	2018 to 2019	-0.8%

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*Population Estimates
www.census.gov

West Virginia Population by County, 2018 and 2019

Table 1

County	2018	2019	County	2018	2019
Barbour	16,535	16,441	Monongalia	106,420	105,612
Berkeley	117,123	119,171	Monroe	13,280	13,275
Boone	21,951	21,457	Morgan	17,787	17,884
Braxton	14,089	13,957	Nicholas	24,842	24,496
Brooke	22,203	21,939	Ohio	41,755	41,411
Cabell	93,224	91,945	Pendleton	6,997	6,969
Calhoun	7,254	7,109	Pleasants	7,507	7,460
Clay	8,632	8,508	Pocahontas	8,414	8,247
Doddridge	8,406	8,448	Preston	33,839	33,432
Fayette	43,018	42,406	Putnam	56,682	56,450
Gilmer	8,026	7,823	Raleigh	74,254	73,361
Grant	11,626	11,568	Randolph	28,823	28,695
Greenbrier	34,786	34,662	Ritchie	9,721	9,554
Hampshire	23,347	23,175	Roane	13,932	13,688
Hancock	29,094	28,810	Summers	12,760	12,573
Hardy	13,775	13,776	Taylor	16,862	16,695
Harrison	67,554	67,256	Tucker	6,955	6,839
Jackson	28,706	28,576	Tyler	8,746	8,591
Jefferson	56,811	57,146	Upshur	24,415	24,176
Kanawha	180,454	178,124	Wayne	39,944	39,402
Lewis	16,024	15,907	Webster	8,285	8,114
Lincoln	20,599	20,409	Wetzel	15,270	15,065
Logan	32,607	32,019	Wirt	5,830	5,821
McDowell	18,223	17,624	Wood	84,203	83,518
Marion	56,097	56,072	Wyoming	20,786	20,394
Marshall	30,785	30,531			
Mason	26,718	26,516			
Mercer	59,131	58,758	WV Total	1,805,832	1,792,147
Mineral	26,940	26,868			
Mingo	23,785	23,424			

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West Virginia Population Characteristics, 2010 and 2019
Distribution by Gender, Age and Race
Table 2

Characteristic	2010 Census		2019 Estimate	
	Number	Percent	Number	Percent
<u>Total</u>	1,852,994	100.0%	1,792,147	100.0%
<u>Gender</u>				
Male	913,586	49.3%	887,770	49.5%
Female	939,408	50.7%	904,377	50.5%
<u>Age</u>				
Less than 5 Years	104,060	5.6%	93,025	5.2%
5-17 Years	283,358	15.3%	266,542	14.9%
18-44 Years	627,191	33.8%	581,592	32.5%
45-64 Years	540,981	29.2%	483,977	27.0%
65 Years and Older	297,404	16.0%	367,011	20.5%
<u>Race</u>				
White or Caucasian	1,739,988	93.9%	1,675,122	93.5%
Black or African American	63,124	3.4%	64,610	3.6%
Asian, Native Hawaiian and Other Pacific Islander	12,834	0.7%	15,233	0.8%
American Indian, Eskimo, Aleutian Islander and Alaska Native	3,787	0.2%	4,585	0.3%
All Other Races	33,261	1.8%	32,597	1.8%
<u>Hispanic Origin*</u>	22,268	1.2%	31,162	1.7%

*May be of any race

2010 and 2019 Census Source: <http://www.census.gov>

West Virginia Bureau for Public Health

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Age Group Distribution by County
West Virginia Population 2019 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	829	1,844	2,345	1,835	1,797	2,083	2,308	1,966	1,070	364	16,441
Berkeley	7,265	15,511	13,531	16,839	15,913	16,273	15,904	11,420	5,056	1,459	119,171
Boone	1,074	2,519	2,376	2,167	2,654	2,999	3,182	2,863	1,224	399	21,457
Braxton	670	1,520	1,380	1,617	1,518	1,841	2,105	1,991	975	340	13,957
Brooke	1,018	2,117	2,640	2,306	2,346	2,746	3,373	3,143	1,562	688	21,939
Cabell	4,944	10,103	15,136	11,189	10,773	10,627	11,307	10,176	5,460	2,230	91,945
Calhoun	305	752	654	685	782	918	1,190	1,105	529	189	7,109
Clay	454	1,065	936	835	980	1,110	1,326	1,055	565	182	8,508
Doddridge	301	688	1,037	1,043	1,053	1,174	1,308	1,082	574	188	8,448
Fayette	2,159	5,091	4,535	4,683	5,067	5,411	6,233	5,486	2,690	1,051	42,406
Gilmer	275	678	1,347	1,116	1,077	994	950	744	425	217	7,823
Grant	644	1,201	1,177	1,218	1,196	1,542	1,689	1,581	981	339	11,568
Greenbrier	1,783	3,793	3,570	3,754	4,029	4,305	5,292	4,677	2,551	908	34,662
Hampshire	1,035	2,350	2,381	2,421	2,515	3,301	3,742	3,326	1,572	532	23,175
Hancock	1,281	3,130	2,947	3,052	3,222	3,847	4,490	3,954	1,972	915	28,810
Hardy	737	1,594	1,401	1,395	1,535	1,905	2,113	1,856	972	268	13,776
Harrison	3,643	8,119	7,382	8,105	8,332	8,681	9,694	7,629	4,017	1,654	67,256
Jackson	1,488	3,478	3,092	3,115	3,320	3,798	4,320	3,326	1,935	704	28,576
Jefferson	3,058	7,163	7,025	6,436	7,324	8,413	8,163	6,037	2,694	833	57,146
Kanawha	9,309	19,999	19,676	21,659	21,390	21,931	26,419	22,247	11,120	4,374	178,124
Lewis	849	1,970	1,564	1,914	1,864	2,103	2,280	1,985	1,045	333	15,907
Lincoln	1,115	2,632	2,169	2,118	2,492	2,776	3,031	2,457	1,283	336	20,409
Logan	1,720	3,699	3,388	3,635	4,032	4,178	4,627	4,311	1,805	624	32,019
McDowell	913	2,077	1,653	1,931	1,944	2,236	2,846	2,440	1,145	439	17,624
Marion	3,095	6,222	8,228	6,636	6,590	6,922	7,295	6,379	3,409	1,296	56,072
Marshall	1,449	3,342	3,118	3,516	3,389	4,025	4,671	4,266	2,007	748	30,531
Mason	1,401	3,138	2,794	2,918	3,201	3,275	4,052	3,307	1,783	647	26,516
Mercer	3,323	6,830	6,725	6,886	6,603	7,158	8,066	7,674	3,957	1,536	58,758
Mineral	1,379	2,963	3,158	3,112	2,925	3,653	3,727	3,479	1,945	527	26,868
Mingo	1,471	2,915	2,342	2,541	2,856	3,151	3,513	3,023	1,232	380	23,424

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

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

Age Group Distribution by County
West Virginia Population 2019 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	5,218	9,424	24,059	17,648	13,128	11,031	11,140	8,615	3,720	1,629	105,612
Monroe	634	1,477	1,288	1,351	1,404	1,708	2,037	1,898	1,120	358	13,275
Morgan	731	1,809	1,884	1,831	1,864	2,541	2,961	2,560	1,293	410	17,884
Nicholas	1,257	2,938	2,378	2,662	2,779	3,187	3,683	3,359	1,726	527	24,496
Ohio	2,093	4,477	5,506	4,829	4,555	4,739	6,007	5,211	2,605	1,389	41,411
Pendleton	319	709	641	691	682	825	1,139	1,038	622	303	6,969
Pleasants	372	754	814	941	967	1,077	1,074	851	475	135	7,460
Pocahontas	397	787	744	892	903	987	1,380	1,244	684	229	8,247
Preston	1,669	3,626	3,332	4,367	4,280	4,454	4,723	4,223	2,086	672	33,432
Putnam	2,875	7,155	6,369	6,337	7,481	7,723	7,842	6,370	3,325	973	56,450
Raleigh	3,835	8,812	7,968	8,985	9,206	9,121	9,884	9,427	4,347	1,776	73,361
Randolph	1,513	2,956	3,271	3,530	3,223	3,680	4,146	3,647	2,000	729	28,695
Ritchie	476	1,010	989	968	1,039	1,294	1,583	1,286	673	236	9,554
Roane	618	1,606	1,455	1,348	1,579	1,811	2,151	1,850	947	323	13,688
Summers	487	1,113	1,150	1,354	1,540	1,619	2,027	1,936	953	394	12,573
Taylor	780	1,920	1,670	2,066	2,108	2,253	2,391	2,027	1,067	413	16,695
Tucker	270	518	639	741	772	939	1,125	1,056	584	195	6,839
Tyler	404	965	861	879	884	1,235	1,351	1,172	598	242	8,591
Upshur	1,201	2,860	3,415	2,748	2,671	2,938	3,274	2,970	1,597	502	24,176
Wayne	1,915	4,529	4,369	4,450	4,591	5,289	5,699	4,910	2,658	992	39,402
Webster	363	931	789	828	850	1,100	1,302	1,179	564	208	8,114
Wetzel	775	1,657	1,688	1,593	1,581	1,996	2,275	1,912	1,168	420	15,065
Wirt	267	760	573	603	681	738	986	733	381	99	5,821
Wood	4,606	9,779	9,082	9,539	9,864	10,920	12,264	9,956	5,616	1,892	83,518
Wyoming	963	2,397	2,215	2,146	2,451	2,670	3,066	2,908	1,188	390	20,394
WV Total	93,025	203,472	216,856	214,004	213,802	229,251	254,726	217,323	109,552	40,136	1,792,147

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

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

Age Group Distribution by County
West Virginia Population 2019 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	418	941	1,110	928	869	1,029	1,132	975	508	122	8,032
Berkeley	3,686	7,963	6,895	8,434	7,875	8,129	7,875	5,456	2,325	619	59,257
Boone	544	1,311	1,268	1,144	1,288	1,485	1,568	1,355	586	137	10,686
Braxton	334	773	722	850	773	920	1,075	994	468	131	7,040
Brooke	507	1,106	1,382	1,215	1,204	1,358	1,646	1,488	688	242	10,836
Cabell	2,645	5,253	7,441	5,733	5,429	5,286	5,367	4,617	2,341	746	44,858
Calhoun	156	366	318	357	397	456	599	578	254	79	3,560
Clay	228	577	485	431	470	544	668	547	280	72	4,302
Doddridge	153	353	674	652	596	654	673	556	292	99	4,702
Fayette	1,119	2,588	2,479	2,482	2,594	2,838	3,058	2,670	1,184	329	21,341
Gilmer	149	352	784	831	733	636	498	377	200	75	4,635
Grant	315	603	631	638	594	783	841	760	469	135	5,769
Greenbrier	946	1,935	1,887	1,856	1,983	2,085	2,571	2,237	1,155	318	16,973
Hampshire	525	1,244	1,239	1,254	1,266	1,682	1,874	1,736	749	233	11,802
Hancock	661	1,598	1,532	1,542	1,577	1,950	2,156	1,897	811	298	14,022
Hardy	404	805	742	714	781	978	1,042	913	469	104	6,952
Harrison	1,866	4,228	3,786	4,073	4,197	4,323	4,768	3,605	1,696	559	33,101
Jackson	765	1,830	1,630	1,618	1,654	1,870	2,119	1,597	864	266	14,213
Jefferson	1,571	3,655	3,614	3,228	3,646	4,147	4,053	2,882	1,241	324	28,361
Kanawha	4,662	10,144	9,965	10,730	10,588	10,731	12,468	10,281	4,725	1,526	85,820
Lewis	456	999	817	970	950	1,061	1,106	976	439	141	7,915
Lincoln	553	1,338	1,128	1,067	1,221	1,409	1,486	1,188	589	125	10,104
Logan	842	1,918	1,739	1,910	2,024	2,117	2,184	2,062	762	229	15,787
McDowell	475	1,032	857	978	1,001	1,125	1,325	1,195	490	153	8,631
Marion	1,574	3,184	4,239	3,390	3,368	3,434	3,568	3,031	1,487	473	27,748
Marshall	735	1,726	1,593	1,844	1,736	2,066	2,282	2,029	880	267	15,158
Mason	717	1,672	1,451	1,334	1,502	1,609	1,917	1,605	782	216	12,805
Mercer	1,699	3,527	3,430	3,398	3,154	3,500	3,711	3,537	1,760	477	28,193
Mineral	668	1,539	1,694	1,651	1,470	1,842	1,755	1,654	891	218	13,382
Mingo	766	1,518	1,210	1,254	1,401	1,545	1,695	1,475	582	131	11,577

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

Age Group Distribution by County
West Virginia Population 2019 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	2,680	4,875	12,622	9,551	7,027	5,655	5,464	4,223	1,627	548	54,272
Monroe	333	760	681	668	716	841	1,021	902	544	148	6,614
Morgan	390	947	998	906	936	1,331	1,465	1,258	591	161	8,983
Nicholas	636	1,503	1,238	1,327	1,346	1,561	1,775	1,663	806	211	12,066
Ohio	1,089	2,315	2,694	2,487	2,329	2,318	2,883	2,431	1,082	404	20,032
Pendleton	178	343	322	372	364	415	576	520	276	142	3,508
Pleasants	189	410	468	586	553	595	551	429	229	35	4,045
Pocahontas	192	389	395	483	479	519	715	604	371	73	4,220
Preston	847	1,924	1,712	2,368	2,253	2,367	2,393	2,044	974	247	17,129
Putnam	1,475	3,702	3,292	3,219	3,662	3,840	3,822	3,012	1,472	338	27,834
Raleigh	1,974	4,507	4,193	4,946	4,782	4,724	4,656	4,536	1,895	605	36,818
Randolph	781	1,508	1,802	2,019	1,765	1,947	2,104	1,777	950	265	14,918
Ritchie	226	506	505	510	511	637	830	639	312	89	4,765
Roane	295	798	758	693	758	924	1,045	937	433	107	6,748
Summers	250	539	545	526	665	710	931	989	406	157	5,718
Taylor	399	999	876	1,136	1,087	1,139	1,210	1,002	463	154	8,465
Tucker	141	270	370	375	382	476	560	530	294	80	3,478
Tyler	219	500	430	448	449	652	641	606	281	102	4,328
Upshur	617	1,460	1,661	1,400	1,354	1,456	1,605	1,482	766	184	11,985
Wayne	1,022	2,268	2,270	2,239	2,171	2,621	2,714	2,331	1,250	388	19,274
Webster	195	476	428	422	423	556	639	581	286	75	4,081
Wetzel	387	848	871	821	781	977	1,115	935	506	133	7,374
Wirt	126	413	311	308	325	360	485	396	200	37	2,961
Wood	2,322	4,942	4,633	4,747	4,867	5,453	5,892	4,588	2,449	626	40,519
Wyoming	505	1,238	1,128	1,079	1,175	1,344	1,483	1,439	540	142	10,073
WV Total	47,607	104,518	111,945	110,142	107,501	115,010	123,655	104,127	48,970	14,295	887,770

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

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

Age Group Distribution by County
West Virginia Population 2019 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	411	903	1,235	907	928	1,054	1,176	991	562	242	8,409
Berkeley	3,579	7,548	6,636	8,405	8,038	8,144	8,029	5,964	2,731	840	59,914
Boone	530	1,208	1,108	1,023	1,366	1,514	1,614	1,508	638	262	10,771
Braxton	336	747	658	767	745	921	1,030	997	507	209	6,917
Brooke	511	1,011	1,258	1,091	1,142	1,388	1,727	1,655	874	446	11,103
Cabell	2,299	4,850	7,695	5,456	5,344	5,341	5,940	5,559	3,119	1,484	47,087
Calhoun	149	386	336	328	385	462	591	527	275	110	3,549
Clay	226	488	451	404	510	566	658	508	285	110	4,206
Doddridge	148	335	363	391	457	520	635	526	282	89	3,746
Fayette	1,040	2,503	2,056	2,201	2,473	2,573	3,175	2,816	1,506	722	21,065
Gilmer	126	326	563	285	344	358	452	367	225	142	3,188
Grant	329	598	546	580	602	759	848	821	512	204	5,799
Greenbrier	837	1,858	1,683	1,898	2,046	2,220	2,721	2,440	1,396	590	17,689
Hampshire	510	1,106	1,142	1,167	1,249	1,619	1,868	1,590	823	299	11,373
Hancock	620	1,532	1,415	1,510	1,645	1,897	2,334	2,057	1,161	617	14,788
Hardy	333	789	659	681	754	927	1,071	943	503	164	6,824
Harrison	1,777	3,891	3,596	4,032	4,135	4,358	4,926	4,024	2,321	1,095	34,155
Jackson	723	1,648	1,462	1,497	1,666	1,928	2,201	1,729	1,071	438	14,363
Jefferson	1,487	3,508	3,411	3,208	3,678	4,266	4,110	3,155	1,453	509	28,785
Kanawha	4,647	9,855	9,711	10,929	10,802	11,200	13,951	11,966	6,395	2,848	92,304
Lewis	393	971	747	944	914	1,042	1,174	1,009	606	192	7,992
Lincoln	562	1,294	1,041	1,051	1,271	1,367	1,545	1,269	694	211	10,305
Logan	878	1,781	1,649	1,725	2,008	2,061	2,443	2,249	1,043	395	16,232
McDowell	438	1,045	796	953	943	1,111	1,521	1,245	655	286	8,993
Marion	1,521	3,038	3,989	3,246	3,222	3,488	3,727	3,348	1,922	823	28,324
Marshall	714	1,616	1,525	1,672	1,653	1,959	2,389	2,237	1,127	481	15,373
Mason	684	1,466	1,343	1,584	1,699	1,666	2,135	1,702	1,001	431	13,711
Mercer	1,624	3,303	3,295	3,488	3,449	3,658	4,355	4,137	2,197	1,059	30,565
Mineral	711	1,424	1,464	1,461	1,455	1,811	1,972	1,825	1,054	309	13,486
Mingo	705	1,397	1,132	1,287	1,455	1,606	1,818	1,548	650	249	11,847

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

Age Group Distribution by County
West Virginia Population 2019 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	2,538	4,549	11,437	8,097	6,101	5,376	5,676	4,392	2,093	1,081	51,340
Monroe	301	717	607	683	688	867	1,016	996	576	210	6,661
Morgan	341	862	886	925	928	1,210	1,496	1,302	702	249	8,901
Nicholas	621	1,435	1,140	1,335	1,433	1,626	1,908	1,696	920	316	12,430
Ohio	1,004	2,162	2,812	2,342	2,226	2,421	3,124	2,780	1,523	985	21,379
Pendleton	141	366	319	319	318	410	563	518	346	161	3,461
Pleasants	183	344	346	355	414	482	523	422	246	100	3,415
Pocahontas	205	398	349	409	424	468	665	640	313	156	4,027
Preston	822	1,702	1,620	1,999	2,027	2,087	2,330	2,179	1,112	425	16,303
Putnam	1,400	3,453	3,077	3,118	3,819	3,883	4,020	3,358	1,853	635	28,616
Raleigh	1,861	4,305	3,775	4,039	4,424	4,397	5,228	4,891	2,452	1,171	36,543
Randolph	732	1,448	1,469	1,511	1,458	1,733	2,042	1,870	1,050	464	13,777
Ritchie	250	504	484	458	528	657	753	647	361	147	4,789
Roane	323	808	697	655	821	887	1,106	913	514	216	6,940
Summers	237	574	605	828	875	909	1,096	947	547	237	6,855
Taylor	381	921	794	930	1,021	1,114	1,181	1,025	604	259	8,230
Tucker	129	248	269	366	390	463	565	526	290	115	3,361
Tyler	185	465	431	431	435	583	710	566	317	140	4,263
Upshur	584	1,400	1,754	1,348	1,317	1,482	1,669	1,488	831	318	12,191
Wayne	893	2,261	2,099	2,211	2,420	2,668	2,985	2,579	1,408	604	20,128
Webster	168	455	361	406	427	544	663	598	278	133	4,033
Wetzel	388	809	817	772	800	1,019	1,160	977	662	287	7,691
Wirt	141	347	262	295	356	378	501	337	181	62	2,860
Wood	2,284	4,837	4,449	4,792	4,997	5,467	6,372	5,368	3,167	1,266	42,999
Wyoming	458	1,159	1,087	1,067	1,276	1,326	1,583	1,469	648	248	10,321
WV Total	45,418	98,954	104,911	103,862	106,301	114,241	131,071	113,196	60,582	25,841	904,377

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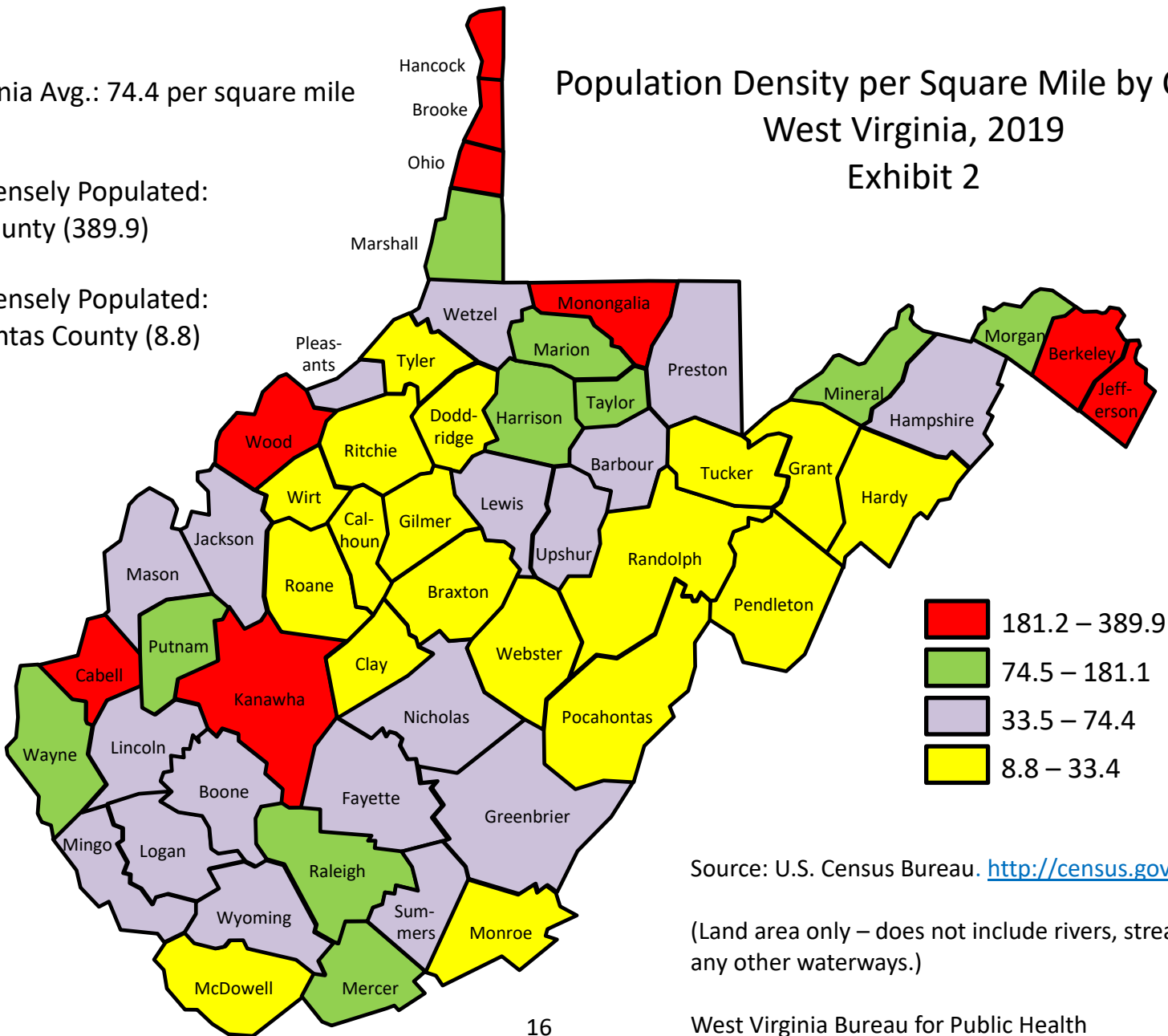
Source: <http://www.census.gov>

West Virginia Avg.: 74.4 per square mile

Most Densely Populated:
Ohio County (389.9)

Least Densely Populated:
Pocahontas County (8.8)

Population Density per Square Mile by County West Virginia, 2019 Exhibit 2



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

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

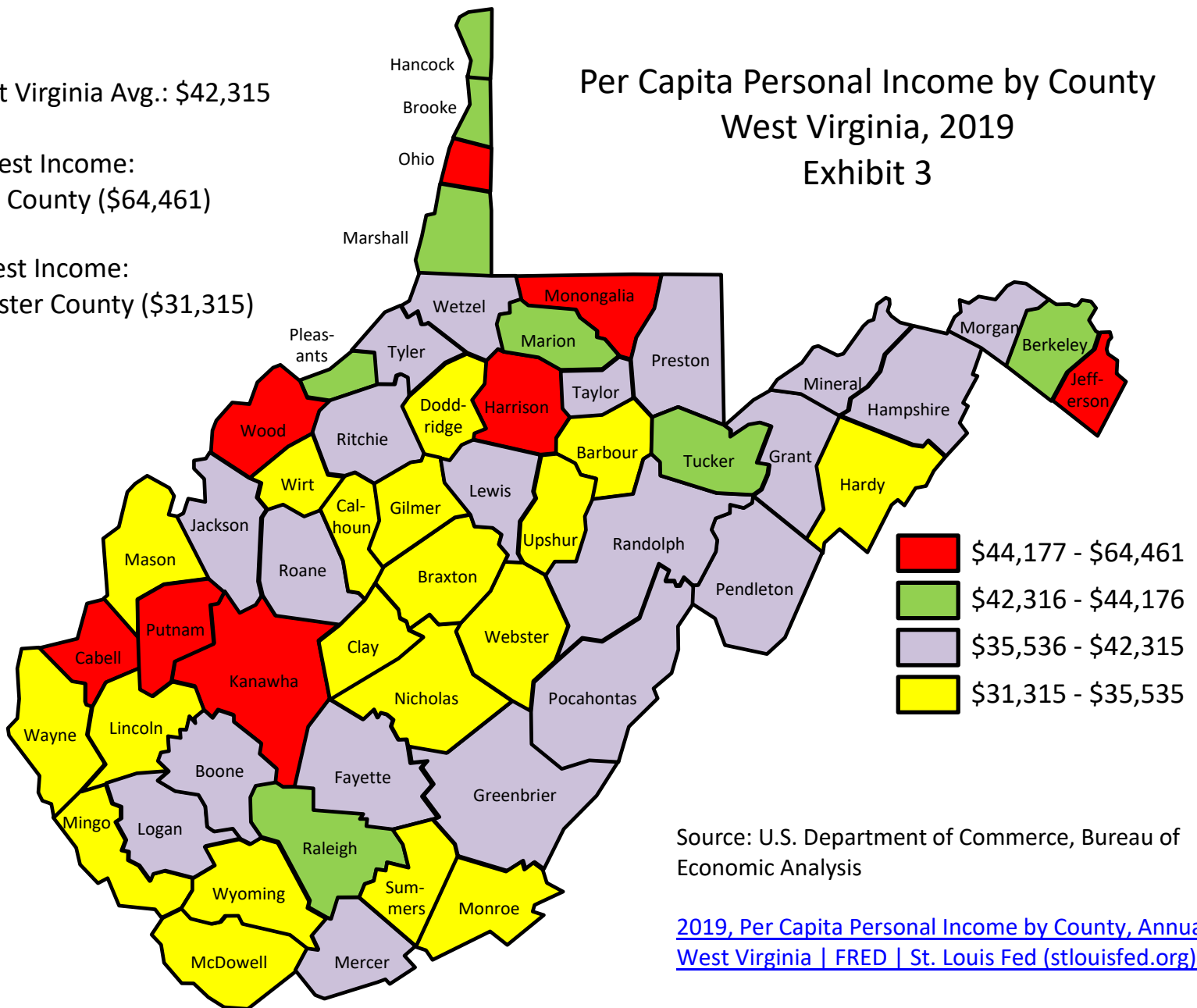
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Per Capita Personal Income by County West Virginia, 2019 Exhibit 3

West Virginia Avg.: \$42,315

Highest Income:
Ohio County (\$64,461)

Lowest Income:
Webster County (\$31,315)



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

[2019, Per Capita Personal Income by County, Annual: West Virginia | FRED | St. Louis Fed \(stlouisfed.org\)](https://fred.stlouisfed.org/series/WVPCPI)

Births, Deaths, Natural Increase, or Decrease and Net Migration West Virginia Population, 1975-2019

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 - e	1,855,413	20,813	21,586	(773)	822	0.00%
2013 - e	1,854,304	20,829	21,846	(1,017)	(92)	-0.06%
2014 - e	1,850,326	20,303	22,164	(1,861)	(2,117)	-0.21%
2015 - e	1,844,128	19,778	22,643	(2,865)	(3,333)	-0.33%
2016 - e	1,831,102	19,070	22,721	(3,651)	(9,375)	-0.71%
2017 - e	1,815,857	18,679	23,290	(4,611)	(10,634)	-0.83%
2018 - e	1,805,832	18,243	23,462	(5,219)	(4,806)	-0.55%
2019 - e	1,792,147	18,090	23,291	(5,201)	(8,484)	-0.76%

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

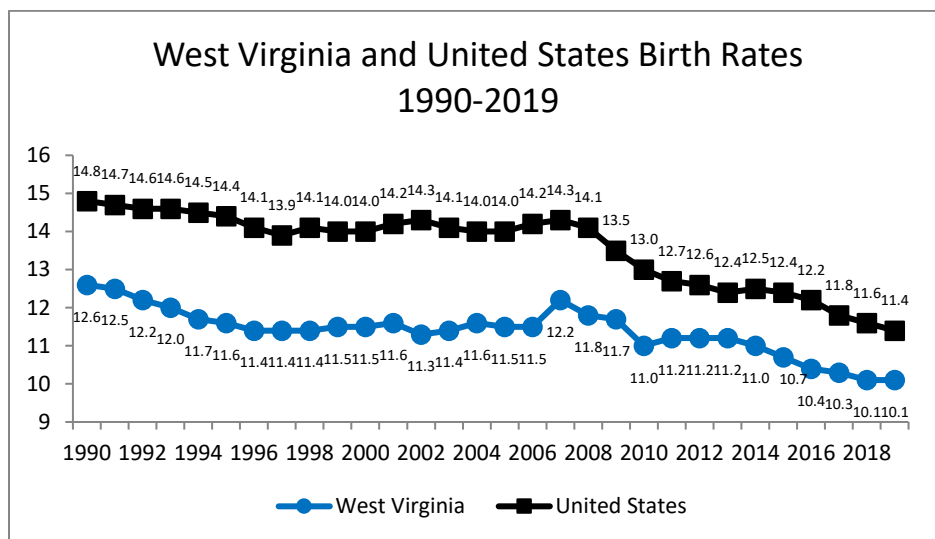
e. Source of population data 2011 through 2019: http://www.census.gov/popest/counties/CO-EST2019-popchg2010_2001.html



West Virginia Vital Statistics
Births

Birth Summary

West Virginia's resident live births decreased by 153 or 0.8%, from 18,243 in 2018 to 18,090 in 2019. This is the fifth year in a row where births are below 20,000. The 2019 birth rate remained the same as 2018 at 10.1 per 1,000 population. The U.S. 2019 birth rate was 11.4 live births per 1,000 population, decreasing 1.8% from the 2018 rate of 11.6. As the graph below shows, West Virginia's birth rate has been well below the national rate since 1990. It continued its overall decline until 1996 and remained relatively stable from 1996 to 2006, decreased from 2008-2010 and 2012-2019 with a slight increase in 2007 and 2011.



The 2019 U.S. fertility rate of 58.3 live births per 1,000 women aged 15-44 was lower (1.4%) than the 2018 rate (59.1). West Virginia's fertility rate increased marginally (0.3%), from 57.2 in 2018 to 57.4 in 2019. 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, 2019					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
25.1	16.7	63.4	66.0	57.4	58.3

*All fertility rates were calculated using 2019 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 years in West Virginia was 25.1 compared to the U.S. rate of 16.7, a difference of 40.2%. The fertility rate among women aged 20-44 years in West Virginia was 63.4 compared to the U.S. rate of 66.0, a difference of 4.0%. The fertility rate percentage difference among all women of childbearing ages (15-44) was 1.6% (57.4 vs. 58.3).

The number of births to teen mothers (ages 10-19) decreased by 28 (2.1%), from 1,321 in 2018 to 1,293 in 2019. This is the sixth year in a row where teen births have been below 2,000. The percentage of total births represented by teen births also decreased from 7.2% in 2018 to 7.1% in 2019. 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 (4.6% in 2019).

The percentage of births occurring out of wedlock increased in 2019. Nearly half (46.4%) of West Virginia resident births were to unwed mothers compared to 45.4% in 2018. The percentages of white and black births that occurred out of wedlock in West Virginia in 2019 were 45.0% and 75.0%, respectively, compared to 44.3% and 72.5% in 2018. In the U.S. in 2019, 29.1% of births to white mothers (non-Hispanic) and 70.3% of births to black mothers (non-Hispanic) occurred out of wedlock. The percentage of teen births to unmarried teen mothers in the state increased from 88.1% in 2018 to 89.1% in 2019.

There were a total of 1,775 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2019, 9.8% of all births. Of the 1,775 low birthweight infants, 1,223 or 68.9% were preterm babies born before 37 weeks of gestation. Of all 2019 resident births with a known gestational age, 12.6% were preterm babies. In 2019, 9.5% of babies born to white mothers and 17.3% of babies born to black mothers were low birthweight. Nationally, 8.3% of all infants weighed less than 2,500 grams at birth in 2019; 6.9% of births to white mothers (non-Hispanic) and 13.9% of births to black mothers (non-Hispanic) were of low birthweight.

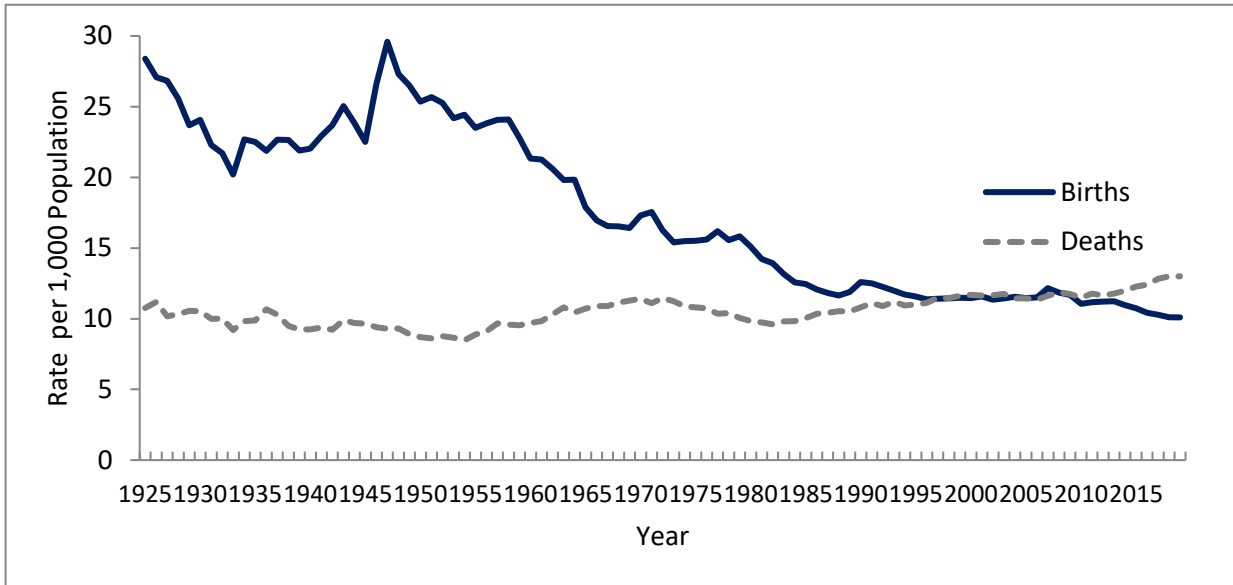
In 2019, 79.9% of West Virginia mothers with known prenatal care began their care during the first trimester of pregnancy, compared with 77.6% of mothers nationwide. Among those with known prenatal care, 80.4% of white mothers began care during the first trimester and 74.6% of black mothers did so. U.S. figures show that 82.7% of white, non-Hispanic mothers and 67.8% of black, non-Hispanic mothers had first trimester care. No prenatal care was received by 1.9% of white mothers and 2.7% of black mothers in West Virginia.

Over one in five (23.0%) births in 2019 were to mothers who smoked during their pregnancy. National figures from 2019 show that 6.0% of women giving birth reported smoking during pregnancy. Among the West Virginia mothers who reported smoking during pregnancy, 16.4% of the babies born were low birthweight, compared with 7.8% among non-smoking mothers. More than one-third (34.2%) of 2019 state births were delivered by Cesarean section, compared with a national rate of 31.7%. One or more medical risk factors were reported in 43.7% of the state resident births in 2019 and one or more complications of labor and/or delivery were reported for 37.3% of the state resident births. Maternal drug use during pregnancy was reported in 8.5% of all resident births in 2019.

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, 1925-2019

Exhibit 4



Year	Births		Deaths	
	Number of Live Births	Rate per 1,000 Population	Number of Deaths	Rate per 1,000 Population
1925	45,240	28.4	17,132	10.8
1930	41,614	24.1	18,220	10.5
1935	41,775	22.5	18,342	9.9
1940	41,900	22.0	17,577	9.2
1945	38,446	22.5	16,464	9.6
1950	50,850	25.4	17,459	8.7
1955	44,199	23.5	16,712	8.9
1960	39,696	21.3	18,040	9.7
1965	31,958	17.9	19,121	10.7
1970	30,194	17.3	19,924	11.4
1975	27,960	15.5	19,479	10.8
1980	29,438	15.1	19,178	9.8
1985	24,108	12.5	19,425	10.0
1990	22,582	12.6	19,360	10.8
1995	21,158	11.6	20,128	11.0
2000	20,860	11.5	21,127	11.7
2005	20,834	11.5	20,773	11.4
2010	20,471	11.0	21,278	11.5
2011	20,705	11.2	21,870	11.8
2012	20,813	11.2	21,586	11.6
2013	20,829	11.2	21,856	11.8
2014	20,303	11.0	22,164	12.0
2015	19,778	10.7	22,643	12.3
2016	19,070	10.4	22,721	12.4
2017	18,679	10.3	23,290	12.8
2018	18,243	10.1	23,462	13.0
2019	18,090	10.1	23,291	13.0

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Summary Totals
West Virginia Resident Births, 2019
Table 5

Characteristic	Number	Percent	Characteristic	Number	Percent
Total	18,090	100.0%			
Gender			Mother's Marital Status		
Male	9,281	51.3%	White or Caucasian		
Female	8,809	48.7%	Married	9,203	55.0%
Unknown	0		Not Married	7,541	45.0%
			Unknown	1	
Race of Mother			Black or African American		
White or Caucasian	16,745	92.7%	Married	160	25.0%
Black or African American	641	3.5%	Not Married	481	75.0%
Asian, Hawaiian or Pacific Islander	178	1.0%	Unknown	0	
Native American or Aleutian Islander	18	0.1%			
Two or More Races	471	2.6%	All Other Races		
All Other Races	17	0.1%	Married	326	47.8%
Unknown	20		Not Married	356	52.2%
			Unknown	2	
Attendant at Birth			Unknown		
Physician	16,322	90.3%	Married	2	28.6%
Certified Nurse Midwife	1,550	8.6%	Not Married	5	71.4%
Direct Entry Midwife	43	0.2%	Unknown	13	
Lay Midwife	82	0.5%			
EMT/Paramedic	0	0.0%	Method of Delivery		
Other	82	0.5%	Vaginal	11,589	64.1%
Unknown	11		Vaginal after Previous Cesarean Section	250	1.4%
Place of Birth			Cesarean Section	6,251	34.6%
Hospital	17,127	94.7%	Primary	3,567	19.7%
Home	121	0.7%	Repeat	2,684	14.8%
Freestanding Birthing Center	812	4.5%			
En Route to Hospital	5	0.03%	One or More Reported Factors		
Clinic or Center	0	0.0%	Medical Risk Factors	7,897	43.7%
Other Specified Address (Not Home)	23	0.1%	Complications of Labor and/or Delivery	6,739	37.3%
Unknown	2		Congenital Malformations	336	1.9%
Mother's Smoking Status			Abnormal Conditions of the Newborn	2,807	15.5%
Smoked During Pregnancy	4,158	23.0%			

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Percentages are calculated excluding unknown.

Birthweight by Age of Mother
West Virginia Resident Births, 2019
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	5	36	33	27	19	3	0	0	126
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	3	2	8	38	47	39	18	6	0	0	161
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	8	22	79	105	79	54	9	7	0	363
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	1	22	66	288	363	234	120	23	8	0	1,125
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	2	70	246	1,069	1,116	760	320	87	22	0	3,692
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	2	108	409	2,044	2,125	1,403	623	121	20	0	6,855
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	2	54	208	1,230	1,445	1,044	419	79	12	0	4,493
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	0	8	38	259	354	296	117	24	0	0	1,096
4,500 or more Grams (9.921 or more lbs.)	0	2	4	26	62	58	21	1	0	0	174
Unknown	0	0	0	1	2	0	1	1	0	0	5
Total	10	277	1,006	5,070	5,652	3,940	1,712	354	69	0	18,090

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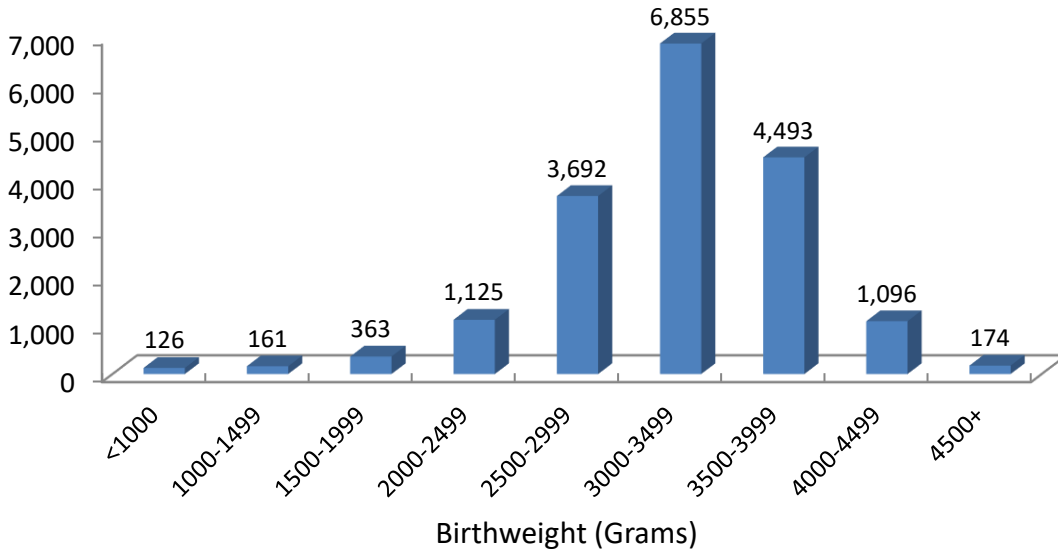
Selected Factors by Birthweight of Infant
West Virginia Resident Births, 2019
Table 7

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	287	1.6%	1,488	8.2%	16,310	90.2%	5	18,090
Maternal Age								
< 20 Years	21	1.6%	119	9.2%	1,153	89.2%	0	1,293
< 15 Years	3	30.0%	1	10.0%	6	60.0%	0	10
Maternal Race								
White or Caucasian	250	1.5%	1,341	8.0%	15,150	90.5%	4	16,745
Black or African American	27	4.2%	84	13.1%	530	82.7%	0	641
All Other Races	10	1.5%	59	8.6%	614	89.9%	1	684
Unknown	0	0.0%	4	20.0%	16	80.0%	0	20
Entry Into Prenatal Care								
First Trimester	192	1.3%	1,047	7.3%	13,103	91.4%	1	14,343
Second Trimester	50	2.0%	269	10.5%	2,232	87.5%	0	2,551
Third Trimester	3	0.4%	51	7.1%	660	92.4%	4	718
No Prenatal Care	26	7.4%	89	25.4%	235	67.1%	0	350
Unknown	16	12.5%	32	25.0%	80	62.5%	0	128
Gestational Age								
< 32 Weeks	244	73.1%	82	24.6%	8	2.4%	0	334
32-36 Weeks	40	2.1%	857	44.0%	1,049	53.9%	0	1,946
37-38 Weeks	0	0.0%	440	8.1%	4,961	91.9%	0	5,401
39+ Weeks	3	0.0%	109	1.0%	10,284	98.9%	1	10,397
Unknown	0	0.0%	0	0.0%	8	100.0%	4	12
Mother's Education Level								
8th Grade or Less	8	4.8%	20	12.0%	138	83.1%	0	166
9th-12th Grade, No Diploma	33	1.6%	240	11.6%	1,796	86.8%	1	2,070
High School Graduate or GED Completed	115	1.9%	551	9.0%	5,482	89.2%	0	6,148
Some College Credit but No Degree	53	1.4%	287	7.6%	3,415	90.9%	1	3,756
Associate's Degree	30	1.7%	143	7.9%	1,635	90.4%	0	1,808
Bachelor's Degree	31	1.2%	153	5.9%	2,424	92.9%	0	2,608
Master's Degree	12	1.1%	61	5.5%	1,040	93.4%	0	1,113
Doctorate or Professional Degree	4	1.1%	25	6.7%	343	92.2%	0	372
Unknown	1	2.2%	8	17.4%	37	80.4%	3	49
Mother's Marital Status								
Married	127	1.3%	679	7.0%	8,882	91.7%	3	9,691
Not Married	160	1.9%	807	9.6%	7,415	88.5%	1	8,383
Unknown	0	0.0%	2	13.3%	13	86.7%	1	16

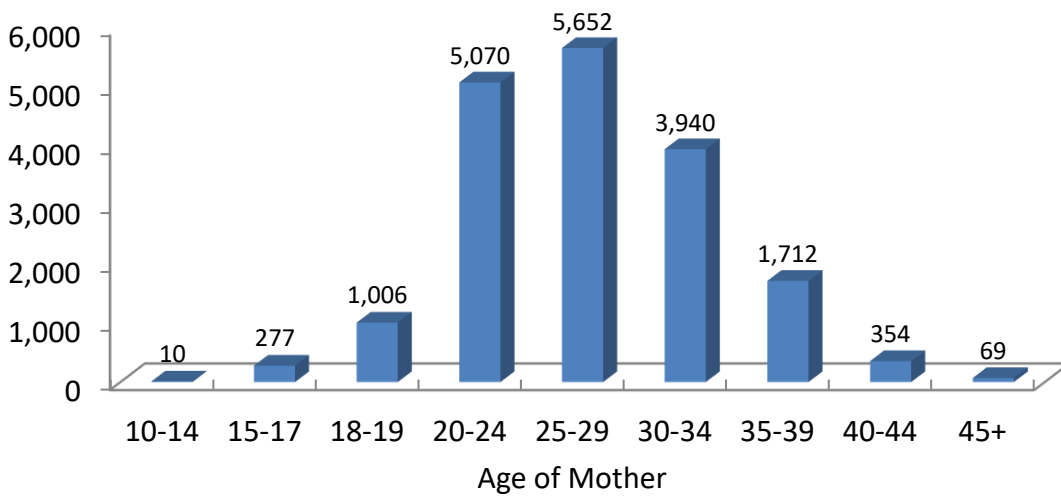
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*Percentages are calculated excluding unknown birthweight.

Birthweight in Grams*
West Virginia Resident Births, 2019
Exhibit 5



Age of Mother
West Virginia Resident Births, 2019
Exhibit 6

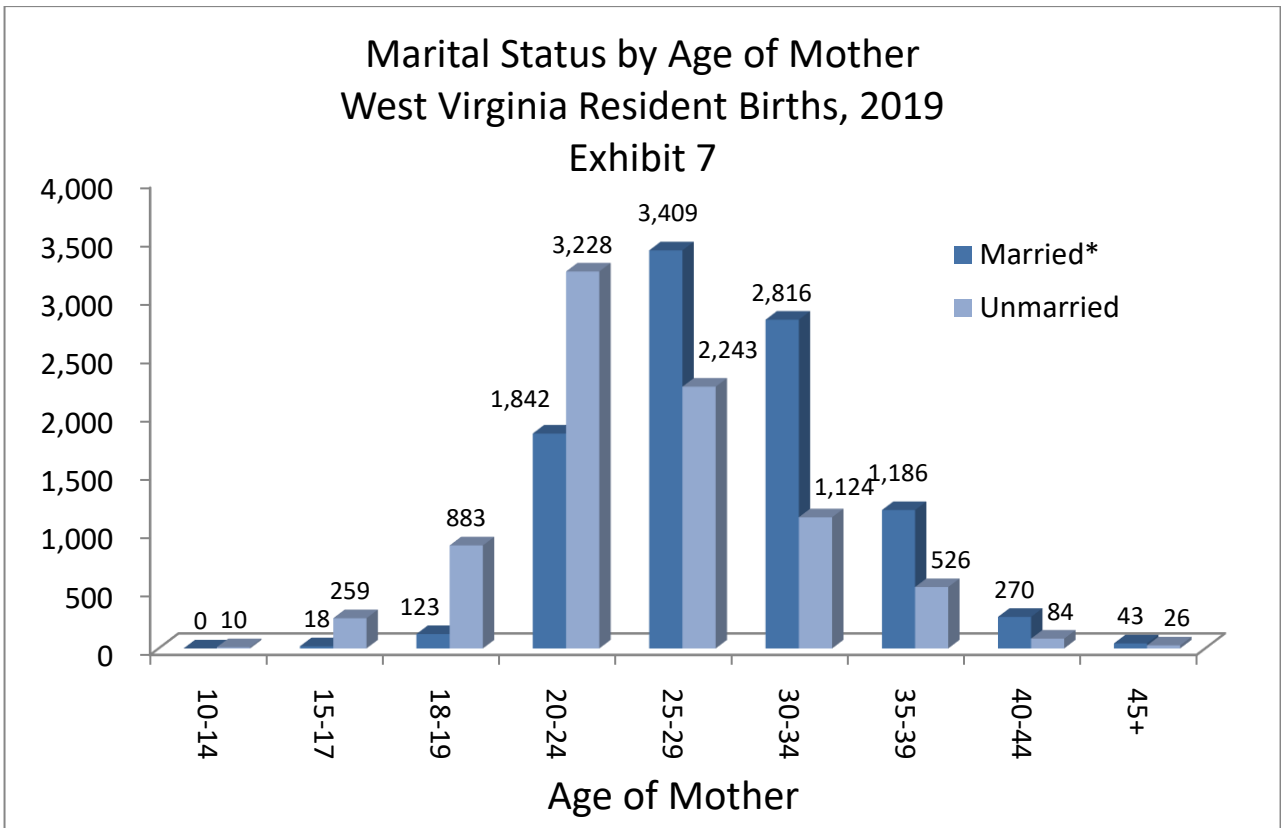


*See Appendix C, page 182 for grams/pounds conversion.
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**Marital Status by Age of Mother
West Virginia Resident Births, 2015-2019**

Table 8

Age of Mother	2015		2016		2017		2018		2019	
	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married
10-14	0	10	0	16	0	10	0	10	0	10
15-17	22	374	18	354	18	271	13	245	18	259
18-19	247	1,063	168	1,004	148	976	144	909	123	883
20-24	2,391	3,512	2,147	3,356	2,070	3,346	1,922	3,206	1,842	3,228
25-29	3,933	2,073	3,710	2,159	3,490	2,249	3,487	2,283	3,409	2,243
30-34	3,033	1,005	2,995	1,082	2,926	1,065	2,885	1,037	2,816	1,124
35-39	1,274	432	1,246	463	1,266	441	1,225	475	1,186	526
40-44	265	85	214	76	238	91	231	82	270	84
45+	37	22	39	23	51	23	60	29	43	26
Unknown	0	0	0	0	0	0	0	0	0	0
WV Total	11,202	8,576	10,537	8,533	10,207	8,472	9,967	8,276	9,707	8,383



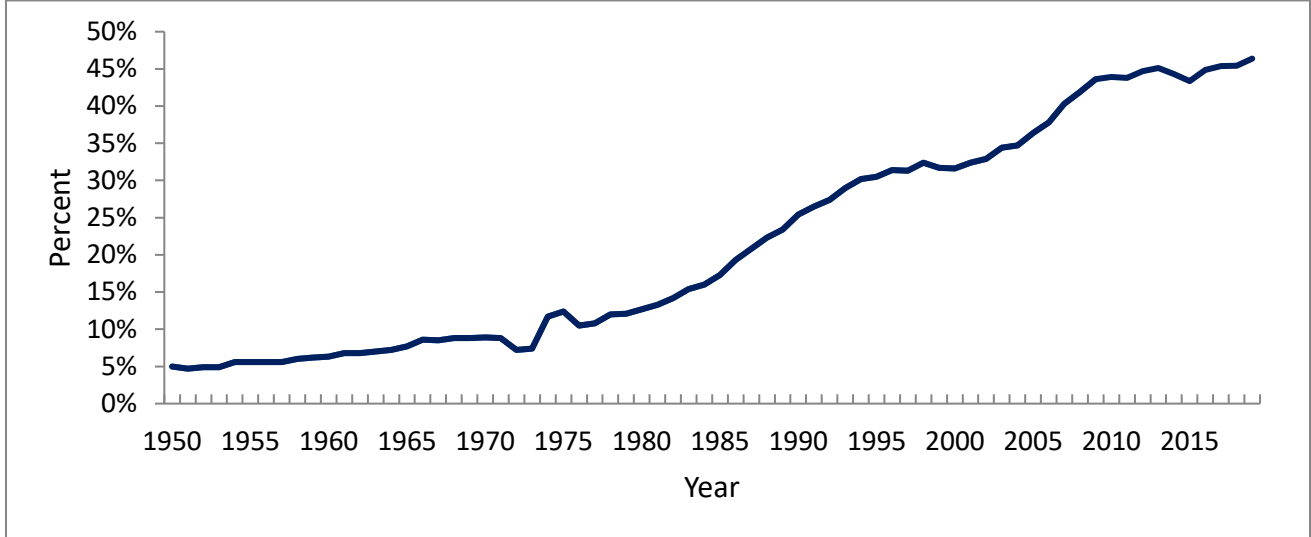
*Includes unknown marital status: 2015 – 33; 2016 – 25; 2017 – 4; 2018 – 25; 2019 - 16

West Virginia Bureau for Public Health

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Percent of Births to Unmarried Mothers
West Virginia Residents, 1950-2019

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%
2015	8,576	43.4%
2016	8,533	44.8%
2017	8,472	45.4%
2018	8,276	45.4%
2019	8,383	46.4%

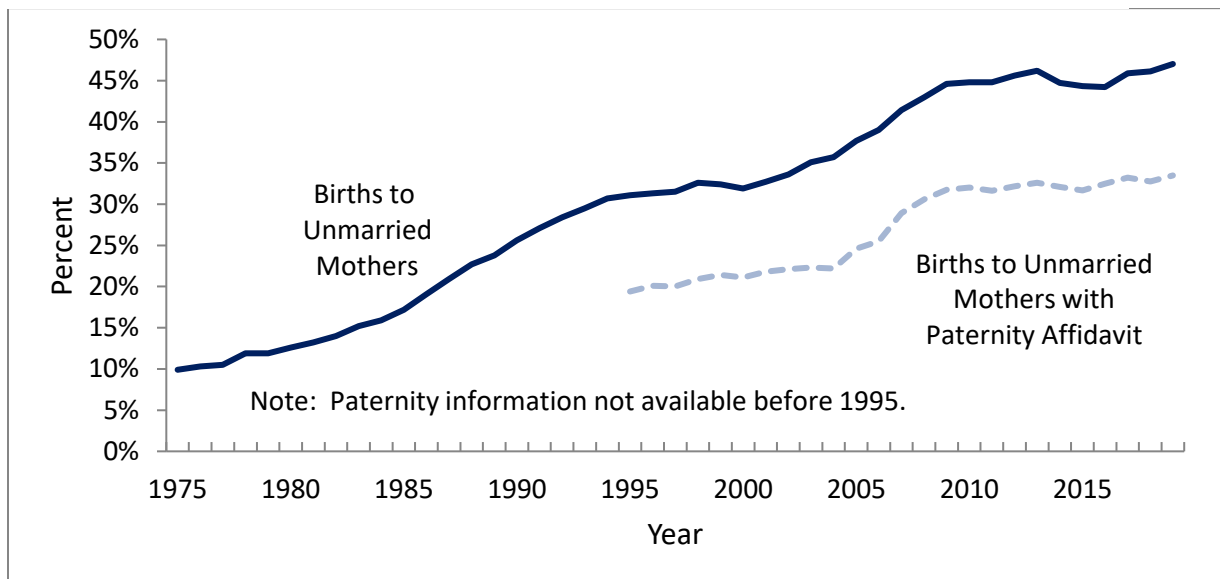
Note: 2010 and 2015 through 2019 percentages are calculated excluding unknown marital status.

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Percent of Births to Unmarried Mothers and
Unmarried Mothers with Paternity Affidavit
West Virginia Occurrence Births, 1975-2019

Exhibit 9



Year	Occurrence Births to Unmarried Mothers		Occurrence Births to Unmarried Mothers with Father Established Through Paternity Affidavit	
	Number	Percent of Total Births	Number	Percent of Total Births
1975	2,767	9.9%	N/A	N/A
1980	3,786	12.6%	N/A	N/A
1985	4,354	17.2%	N/A	N/A
1990	6,046	25.6%	N/A	N/A
1995	6,890	31.1%	4,300	19.4%
1996	6,820	31.3%	4,368	20.1%
1997	6,822	31.5%	4,340	20.0%
1998	7,035	32.6%	4,512	20.9%
1999	6,919	32.4%	4,578	21.4%
2000	6,904	31.9%	4,563	21.1%
2001	6,874	32.7%	4,573	21.8%
2002	7,110	33.6%	4,680	22.1%
2003	7,545	35.1%	4,796	22.3%
2004	7,616	35.7%	4,736	22.2%
2005	7,964	37.7%	5,199	24.6%
2010	9,289	44.8%	6,638	32.0%
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%
2019	8,928	47.0%	6,359	33.5%

Note: 2010 and 2015 through 2019 percentages are calculated excluding unknown marital status.

West Virginia Bureau for Public Health
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Selected Factors by Race of Mother
West Virginia Resident Births, 2019
Table 9

Factor	White or Caucasian		Black or African American		All Other Races		Unknown	Total	
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Number	Percent*
Total Births	16,745		641		684		20	18,090	
<u>Low Birthweight</u> (< 2,500)	1,591	9.5%	111	17.3%	69	10.1%	4	1,775	9.8%
<u>Maternal Age</u>									
Mothers < 20 Years	1,175	7.0%	55	8.6%	63	9.2%	0	1,293	7.1%
Mothers < 15 Years	9	0.1%	0	0.0%	1	0.1%	0	10	0.1%
<u>Entry Into Prenatal Care</u>									
First Trimester	13,369	80.4%	472	74.6%	494	72.4%	8	14,343	79.9%
Second Trimester	2,293	13.8%	120	19.0%	134	19.6%	4	2,551	14.2%
Third Trimester	654	3.9%	24	3.8%	38	5.6%	2	718	4.0%
No Prenatal Care	311	1.9%	17	2.7%	16	2.3%	6	350	1.9%
Unknown	118		8		2		0	128	
<u>Gestational Age</u>									
< 32 Weeks	297	1.8%	27	4.2%	10	1.5%	0	334	1.8%
32-36 Weeks	1,778	10.6%	89	13.9%	74	10.9%	5	1,946	10.8%
37-38 Weeks	5,000	29.9%	196	30.6%	199	29.2%	6	5,401	29.9%
39+ Weeks	9,661	57.7%	329	51.3%	399	58.5%	8	10,397	57.5%
Unknown	9		0		2		1	12	
<u>Place of Birth</u>									
Hospital*	16,610	99.2%	638	99.5%	676	99.0%	20	17,944	99.2%
Non-Hospital	134	0.8%	3	0.5%	7	1.0%	0	144	0.8%
Unknown	1		0		1		0	2	

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

Prenatal Care by Mother's Race, Marital Status and Education
West Virginia Resident Births, 2019
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	14,343	79.9%	2,551	14.2%	718	4.0%	350	1.9%	128	18,090
Mother's Marital Status										
Married	8,276	85.9%	979	10.2%	275	2.9%	107	1.1%	54	9,691
Not Married	6,061	72.9%	1,569	18.9%	440	5.3%	239	2.9%	74	8,383
Unknown	6	37.5%	3	18.8%	3	18.8%	4	25.0%	0	16
Mother's Educational Level										
8th Grade or Less	80	48.5%	59	35.8%	15	9.1%	11	6.7%	1	166
9th-12th Grade, No Diploma	1,358	66.1%	449	21.9%	155	7.5%	91	4.4%	17	2,070
High School Graduate or GED Completed	4,661	76.2%	1,032	16.9%	278	4.5%	148	2.4%	29	6,148
Some College Credit but No Degree	3,001	80.6%	519	13.9%	143	3.8%	59	1.6%	34	3,756
Associate's Degree	1,561	87.2%	169	9.4%	39	2.2%	22	1.2%	17	1,808
Bachelor's Degree	2,309	89.3%	217	8.4%	52	2.0%	9	0.3%	21	2,608
Master's Degree	1,017	92.0%	65	5.9%	22	2.0%	1	0.1%	8	1,113
Doctorate or Professional Degree	336	90.6%	30	8.1%	5	1.3%	0	0.0%	1	372
Unknown	20	40.8%	11	22.4%	9	18.4%	9	18.4%	0	49
Mother's Race: White or Caucasian	13,369	80.4%	2,293	13.8%	654	3.9%	311	1.9%	118	16,745
Mother's Marital Status										
Married	7,897	86.3%	903	9.9%	251	2.7%	100	1.1%	52	9,203
Not Married	5,472	73.2%	1,389	18.6%	403	5.4%	211	2.8%	66	7,541
Unknown	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	1
Mother's Educational Level										
8th Grade or Less	76	48.1%	57	36.1%	14	8.9%	11	7.0%	1	159
9th-12th Grade, No Diploma	1,252	66.3%	410	21.7%	145	7.7%	82	4.3%	17	1,906
High School Graduate or GED Completed	4,357	76.8%	922	16.2%	260	4.6%	136	2.4%	27	5,702
Some College Credit but No Degree	2,776	81.2%	466	13.6%	125	3.7%	52	1.5%	30	3,449
Associate's Degree	1,478	87.5%	159	9.4%	33	2.0%	19	1.1%	16	1,705
Bachelor's Degree	2,167	89.6%	195	8.1%	49	2.0%	7	0.3%	18	2,436
Master's Degree	967	92.6%	57	5.5%	19	1.8%	1	0.1%	8	1,052
Doctorate or Professional Degree	286	91.7%	22	7.1%	4	1.3%	0	0.0%	1	313
Unknown	10	43.5%	5	21.7%	5	21.7%	3	13.0%	0	23

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*Percentages are calculated excluding unknown.

Health Statistics Center, Vital Statistics System, 2022

Prenatal Care by Mother's Race, Marital Status and Education
West Virginia Resident Births, 2019
Table 10 (Cont'd)

Birth Characteristics	Time Prenatal Care Began								Un- known	Total
	First Trimester		Second Trimester		Third Trimester		No Care			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
<u>Mother's Race: Black or African American</u>	472	74.6%	120	19.0%	24	3.8%	17	2.7%	8	641
<u>Mother's Marital Status</u>										
Married	125	79.1%	22	13.9%	9	5.7%	2	1.3%	2	160
Not Married	347	73.1%	98	20.6%	15	3.2%	15	3.2%	6	481
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	1	50.0%	1	50.0%	0	0.0%	0	0.0%	0	2
9th-12th Grade, No Diploma	45	62.5%	17	23.6%	5	6.9%	5	6.9%	0	72
High School Graduate or GED Completed	168	70.9%	56	23.6%	8	3.4%	5	2.1%	1	238
Some College Credit but No Degree	132	77.6%	26	15.3%	7	4.1%	5	2.9%	4	174
Associate's Degree	45	83.3%	6	11.1%	2	3.7%	1	1.9%	1	55
Bachelor's Degree	54	87.1%	6	9.7%	1	1.6%	1	1.6%	2	64
Master's Degree	21	84.0%	4	16.0%	0	0.0%	0	0.0%	0	25
Doctorate or Professional Degree	6	75.0%	2	25.0%	0	0.0%	0	0.0%	0	8
Unknown	0	0.0%	2	0.0%	1	0.0%	0	0.0%	0	3
<u>Mother's Race: All Other Races</u>	494	72.4%	134	19.6%	38	5.6%	16	2.3%	2	684
<u>Mother's Marital Status</u>										
Married	253	77.6%	53	16.3%	15	4.6%	5	1.5%	0	326
Not Married	240	67.8%	81	22.9%	22	6.2%	11	3.1%	2	356
Unknown	1	0.0%	0	0.0%	1	0.0%	0	0.0%	0	2
<u>Mother's Educational Level</u>										
8th Grade or Less	3	60.0%	1	20.0%	1	20.0%	0	0.0%	0	5
9th-12th Grade, No Diploma	61	66.3%	22	23.9%	5	5.4%	4	4.3%	0	92
High School Graduate or GED Completed	136	65.7%	54	26.1%	10	4.8%	7	3.4%	1	208
Some College Credit but No Degree	93	69.9%	27	20.3%	11	8.3%	2	1.5%	0	133
Associate's Degree	38	79.2%	4	8.3%	4	8.3%	2	4.2%	0	48
Bachelor's Degree	88	82.2%	16	15.0%	2	1.9%	1	0.9%	1	108
Master's Degree	29	80.6%	4	11.1%	3	8.3%	0	0.0%	0	36
Doctorate or Professional Degree	44	86.3%	6	11.8%	1	2.0%	0	0.0%	0	51
Unknown	2	66.7%	0	0.0%	1	33.3%	0	0.0%	0	3

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

*Percentages are calculated excluding unknown.

Births by Method of Delivery
Number and Percent by Facility of Occurrence
West Virginia, 2019
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	1,048	728	69.5%	13	1.2%	307	29.3%	183	17.5%	124	11.8%	0
Bluefield Regional Medical Center	498	297	59.6%	5	1.0%	196	39.4%	127	25.5%	69	13.9%	0
Boone Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Braxton County Memorial Hospital	2	0	0.0%	0	0.0%	2	100.0%	0	0.0%	2	100.0%	0
C.A.M.C. - Women & Children's Hospital	2,890	1,734	60.0%	28	1.0%	1,128	39.0%	628	21.7%	500	17.3%	0
Cabell-Huntington Hospital	2,621	1,627	62.1%	33	1.3%	961	36.7%	528	20.1%	433	16.5%	0
Davis Medical Center	266	191	71.8%	1	0.4%	74	27.8%	42	15.8%	32	12.0%	0
Fairmont Regional Medical Center	130	88	67.7%	2	1.5%	40	30.8%	23	17.7%	17	13.1%	0
FamilyCare OB/GYN & Birth Center	7	7	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Grant Memorial Hospital	273	171	62.6%	1	0.4%	101	37.0%	57	20.9%	44	16.1%	0
Greenbrier Valley Medical Center	458	328	71.6%	3	0.7%	127	27.7%	70	15.3%	57	12.4%	0
Logan Regional Medical Center	214	108	50.5%	0	0.0%	106	49.5%	103	48.1%	3	1.4%	0
Monongalia General Hospital	1,034	664	64.2%	13	1.3%	357	34.5%	180	17.4%	177	17.1%	0
Ohio Valley Medical Center	133	89	66.9%	1	0.8%	43	32.3%	33	24.8%	10	7.5%	0
Pleasant Valley Hospital	85	68	80.0%	3	3.5%	14	16.5%	7	8.2%	7	8.2%	0
Princeton Community Hospital	463	329	71.1%	4	0.9%	130	28.1%	59	12.7%	71	15.3%	0
Raleigh General Hospital	893	632	70.8%	8	0.9%	253	28.3%	143	16.0%	110	12.3%	0
Reynolds Memorial Hospital	144	79	54.9%	1	0.7%	64	44.4%	41	28.5%	23	16.0%	0
St. Joseph's Hospital	328	264	80.5%	4	1.2%	60	18.3%	38	11.6%	22	6.7%	0
St. Mary's Medical Center	349	260	74.5%	3	0.9%	86	24.6%	58	16.6%	28	8.0%	0
Stonewall Jackson Memorial Hospital	157	106	67.5%	4	2.5%	47	29.9%	22	14.0%	25	15.9%	0
Summersville Regional Medical Center	2	1	50.0%	1	50.0%	0	0.0%	0	0.0%	0	0.0%	0
Thomas Memorial Hospital	846	460	54.4%	9	1.1%	377	44.6%	190	22.5%	187	22.1%	0
United Hospital Center	1,034	712	68.9%	19	1.8%	303	29.3%	153	14.8%	150	14.5%	0
University Healthcare Jefferson Medical Center	224	173	77.2%	2	0.9%	49	21.9%	21	9.4%	28	12.5%	0
WVU Hospitals, Inc.	1,728	1,065	61.6%	55	3.2%	608	35.2%	388	22.5%	220	12.7%	0
WVU Medicine Camden Clark Medical Center	1,216	750	61.7%	13	1.1%	453	37.3%	216	17.8%	237	19.5%	0
Webster County Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	566	377	66.6%	17	3.0%	172	30.4%	102	18.0%	70	12.4%	0
Wheeling Hospital	1,243	791	63.6%	10	0.8%	442	35.6%	356	28.6%	86	6.9%	0
---Non-Hospital	154	138	89.6%	16	10.4%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	19,008	12,239	64.4%	269	1.4%	6,500	34.2%	3,768	19.8%	2,732	14.4%	0

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

*Percentages are calculated excluding unknown.

Full-Term Births (39 or More Weeks Gestation) by Method of Delivery
 Number and Percent by Facility of Occurrence
 West Virginia, 2019
 Table 12

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		Un- known
		Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	
Berkeley Medical Center	617	442	71.6%	7	1.1%	168	27.2%	108	17.5%	60	9.7%	0
Bluefield Regional Medical Center	268	167	62.3%	2	0.7%	99	36.9%	61	22.8%	38	14.2%	0
Boone Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Braxton County Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
C.A.M.C. - Women & Children's Hospital	1,519	1,013	66.7%	14	0.9%	492	32.4%	244	16.1%	248	16.3%	0
Cabell-Huntington Hospital	1,224	851	69.5%	16	1.3%	357	29.2%	165	13.5%	192	15.7%	0
Davis Medical Center	181	128	70.7%	1	0.6%	52	28.7%	27	14.9%	25	13.8%	0
Fairmont Regional Medical Center	78	60	76.9%	1	1.3%	17	21.8%	11	14.1%	6	7.7%	0
FamilyCare OB/GYN & Birth Center	6	6	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Grant Memorial Hospital	193	128	66.3%	0	0.0%	65	33.7%	38	19.7%	27	14.0%	0
Greenbrier Valley Medical Center	325	235	72.3%	2	0.6%	88	27.1%	46	14.2%	42	12.9%	0
Logan Regional Medical Center	96	52	54.2%	0	0.0%	44	45.8%	44	45.8%	0	0.0%	0
Monongalia General Hospital	714	466	65.3%	12	1.7%	236	33.1%	115	16.1%	121	16.9%	0
Ohio Valley Medical Center	97	65	67.0%	1	1.0%	31	32.0%	23	23.7%	8	8.2%	0
Pleasant Valley Hospital	56	46	82.1%	3	5.4%	7	12.5%	4	7.1%	3	5.4%	0
Princeton Community Hospital	262	187	71.4%	1	0.4%	74	28.2%	26	9.9%	48	18.3%	0
Raleigh General Hospital	551	403	73.1%	4	0.7%	144	26.1%	84	15.2%	60	10.9%	0
Reynolds Memorial Hospital	76	41	53.9%	1	1.3%	34	44.7%	24	31.6%	10	13.2%	0
St. Joseph's Hospital	223	176	78.9%	3	1.3%	44	19.7%	27	12.1%	17	7.6%	0
St. Mary's Medical Center	224	168	75.0%	3	1.3%	53	23.7%	36	16.1%	17	7.6%	0
Stonewall Jackson Memorial Hospital	108	71	65.7%	2	1.9%	35	32.4%	19	17.6%	16	14.8%	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	458	264	57.6%	5	1.1%	189	41.3%	90	19.7%	99	21.6%	0
United Hospital Center	665	466	70.1%	12	1.8%	187	28.1%	91	13.7%	96	14.4%	0
University Healthcare Jefferson Medical Center	159	126	79.2%	1	0.6%	32	20.1%	15	9.4%	17	10.7%	0
WVU Hospitals, Inc.	777	574	73.9%	33	4.2%	170	21.9%	100	12.9%	70	9.0%	0
WVU Medicine Camden Clark Medical Center	612	393	64.2%	7	1.1%	212	34.6%	121	19.8%	91	14.9%	0
Webster County Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	378	258	68.3%	11	2.9%	109	28.8%	59	15.6%	50	13.2%	0
Wheeling Hospital	795	522	65.7%	8	1.0%	265	33.3%	214	26.9%	51	6.4%	0
---Non-Hospital	99	89	89.9%	10	10.1%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	10,764	7,400	68.7%	160	1.5%	3,204	29.8%	1,792	16.6%	1,412	13.1%	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, 2019
Table 13

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	405	331	81.7%	2	0.5%	72	17.8%	69	17.0%	3	0.7%	0
Bluefield Regional Medical Center	228	183	80.3%	2	0.9%	43	18.9%	41	18.0%	2	0.9%	0
Boone Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Braxton County Memorial Hospital	2	0	0.0%	0	0.0%	2	100.0%	0	0.0%	2	100.0%	0
C.A.M.C. - Women & Children's Hospital	1,674	1,354	80.9%	11	0.7%	309	18.5%	245	14.6%	64	3.8%	0
Cabell-Huntington Hospital	1,536	1,317	85.7%	26	1.7%	193	12.6%	174	11.3%	19	1.2%	0
Davis Medical Center	69	55	79.7%	0	0.0%	14	20.3%	14	20.3%	0	0.0%	0
Fairmont Regional Medical Center	53	39	73.6%	1	1.9%	13	24.5%	10	18.9%	3	5.7%	0
FamilyCare OB/GYN & Birth Center	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Grant Memorial Hospital	139	111	79.9%	0	0.0%	28	20.1%	28	20.1%	0	0.0%	0
Greenbrier Valley Medical Center	210	169	80.5%	2	1.0%	39	18.6%	32	15.2%	7	3.3%	0
Logan Regional Medical Center	65	42	64.6%	0	0.0%	23	35.4%	23	35.4%	0	0.0%	0
Monongalia General Hospital	324	237	73.1%	3	0.9%	84	25.9%	80	24.7%	4	1.2%	0
Ohio Valley Medical Center	51	36	70.6%	0	0.0%	15	29.4%	15	29.4%	0	0.0%	0
Pleasant Valley Hospital	42	38	90.5%	3	7.1%	1	2.4%	1	2.4%	0	0.0%	0
Princeton Community Hospital	250	215	86.0%	1	0.4%	34	13.6%	32	12.8%	2	0.8%	0
Raleigh General Hospital	408	348	85.3%	2	0.5%	58	14.2%	56	13.7%	2	0.5%	0
Reynolds Memorial Hospital	66	49	74.2%	1	1.5%	16	24.2%	16	24.2%	0	0.0%	0
St. Joseph's Hospital	133	116	87.2%	0	0.0%	17	12.8%	15	11.3%	2	1.5%	0
St. Mary's Medical Center	205	173	84.4%	0	0.0%	32	15.6%	30	14.6%	2	1.0%	0
Stonewall Jackson Memorial Hospital	69	52	75.4%	1	1.4%	16	23.2%	16	23.2%	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	388	313	80.7%	3	0.8%	72	18.6%	69	17.8%	3	0.8%	0
United Hospital Center	435	369	84.8%	3	0.7%	63	14.5%	60	13.8%	3	0.7%	0
University Healthcare Jefferson Medical Center	98	87	88.8%	0	0.0%	11	11.2%	9	9.2%	2	2.0%	0
WVU Hospitals, Inc.	794	603	75.9%	29	3.7%	162	20.4%	141	17.8%	21	2.6%	0
WVU Medicine Camden Clark Medical Center	420	339	80.7%	3	0.7%	78	18.6%	74	17.6%	4	1.0%	0
Webster County Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Weirton Medical Center	271	208	76.8%	8	3.0%	55	20.3%	49	18.1%	6	2.2%	0
Wheeling Hospital	499	398	79.8%	4	0.8%	97	19.4%	94	18.8%	3	0.6%	0
--Non-Hospital	3	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
West Virginia Total Occurrences	8,837	7,185	81.3%	105	1.2%	1,547	17.5%	1,393	15.8%	154	1.7%	0

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

*Percentages are calculated excluding unknown

Mother's Marital Status and Method of Paternity Establishment
 Unmarried Mothers by Hospital of Birth
 West Virginia Occurrences, 2019
 Table 14

Hospital	Total Births	Mother's Marital Status			Mother Unmarried with Paternity Established			Mother Unmarried with Father Unknown
		Married (or Unknown)	Un-married	Percent Un-married	Paternity Affidavit Accepted	Percent of Un-married Births	Father Established by Other Methods	
Berkeley Medical Center	1,048	427	621	59.3%	458	73.8%	21	142
Bluefield Regional Medical Center	498	206	292	58.6%	176	60.3%	5	111
Boone Memorial Hospital	1	1	0	0.0%	0	0.0%	0	0
Braxton County Memorial Hospital	2	2	0	0.0%	0	0.0%	0	0
C.A.M.C. - Women & Children's Hospital	2,890	1,630	1,260	43.6%	883	70.1%	25	352
Cabell-Huntington Hospital	2,621	1,387	1,234	47.1%	907	73.5%	39	288
Davis Medical Center	266	144	122	45.9%	89	73.0%	3	30
Fairmont Regional Medical Center	130	70	60	46.2%	38	63.3%	5	17
FamilyCare OB/GYN & Birth Center	7	7	0	0.0%	0	0.0%	0	0
Grant Memorial Hospital	273	137	136	49.8%	112	82.4%	2	22
Greenbrier Valley Medical Center	458	255	203	44.3%	148	72.9%	7	48
Logan Regional Medical Center	214	111	103	48.1%	48	46.6%	4	51
Monongalia General Hospital	1,034	690	344	33.3%	261	75.9%	5	78
Ohio Valley Medical Center	133	6	127	95.5%	92	72.4%	3	32
Pleasant Valley Hospital	85	23	62	72.9%	46	74.2%	4	12
Princeton Community Hospital	463	221	242	52.3%	158	65.3%	6	78
Raleigh General Hospital	893	346	547	61.3%	331	60.5%	12	204
Reynolds Memorial Hospital	144	144	0	0.0%	0	0.0%	0	0
St. Joseph's Hospital	328	189	139	42.4%	99	71.2%	4	36
St. Mary's Medical Center	349	245	104	29.8%	75	72.1%	5	24
Stonewall Jackson Memorial Hospital	157	62	95	60.5%	62	65.3%	5	28
Summersville Regional Medical Center	2	0	2	100.0%	0	0.0%	0	2
Thomas Memorial Hospital	846	379	467	55.2%	361	77.3%	7	99
United Hospital Center	1,034	531	503	48.6%	398	79.1%	8	97
University Healthcare Jefferson Medical	224	130	94	42.0%	77	81.9%	0	17
WVU Hospitals, Inc.	1,728	1,197	531	30.7%	373	70.2%	10	148
WVU Medicine Camden Clark Medical	1,216	1,216	0	0.0%	0	0.0%	0	0
Webster County Memorial Hospital	1	1	0	0.0%	0	0.0%	0	0
Weirton Medical Center	566	336	230	40.6%	172	74.8%	10	48
Wheeling Hospital	1,243	655	588	47.3%	466	79.3%	9	113
---Non-Hospital	154	105	49	31.8%	23	46.9%	1	25
WV Total Occurrences	19,008	10,853	8,155	42.9%	5,853	71.8%	200	2,102

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Out-of-State Occurrences
West Virginia Resident Births, 2015-2019
Table 15

State	2015 Births	2016 Births	2017 Births	2018 Births	2019 Births
Virginia	936	868	933	901	937
Maryland	622	622	626	612	576
Ohio	476	418	465	461	441
Kentucky	142	143	167	141	138
Pennsylvania	112	89	106	106	90
North Carolina	3	7	6	4	5
District of Columbia	5	3	2	6	5
Florida	4	2	1	6	4
Tennessee	2	7	1	2	4
Texas	2	3	0	3	1
South Carolina	0	0	1	1	4
Utah	1	2	1	2	0
California	1	0	2	0	2
New Jersey	1	1	2	1	0
All Other States/Countries	10	6	9	7	5
Total	2,317	2,171	2,322	2,253	2,212

Out-of-State Resident Births Born in West Virginia
West Virginia Occurrence Births, 2015-2019
Table 16

State	2015 Births	2016 Births	2017 Births	2018 Births	2019 Births
Ohio	1,733	1,785	1,728	1,788	1,837
Kentucky	471	415	419	465	384
Pennsylvania	317	352	329	370	477
Virginia	282	276	262	249	248
Maryland	99	96	105	102	100
North Carolina	12	9	5	8	4
Florida	9	7	2	8	7
Tennessee	7	5	6	7	5
Texas	7	2	6	7	7
South Carolina	2	6	4	4	1
New York	3	2	2	3	5
Georgia	1	1	3	4	5
Louisiana	1	4	2	4	3
Alabama	1	1	2	5	4
Missouri	2	1	1	3	5
Arkansas	2	1	2	2	4
All Other States/Countries	16	27	20	22	34
Total	2,965	2,990	2,898	3,051	3,130

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West Virginia Vital Statistics
Deaths

Death Summary

The number of West Virginia resident deaths decreased by 171, from 23,462 in 2018 to 23,291 in 2019. The state's crude death rate remained the same at 13.0 per 1,000 population in 2018 and 2019. The average age at death for West Virginians was 72.1 (69.4 for men and 75.1 for women), compared to the 2018 average of 72.0 (69.0 for men and 75.2 for women). In 2019, 135 West Virginia residents who died were 100 or older. The oldest man was 105 years old while the oldest woman was 110 years old at the time of death.

Heart disease was the leading cause of death in the Mountain State for the fourth straight year. Heart disease, cancer, and accidental deaths were the three leading causes of death, accounting for 49.7% of West Virginia resident deaths in 2019. Compared with 2018, the number of state deaths due to heart disease increased by 70 or 1.4% while cancer deaths decreased by 79 or 1.7%. Also on the rise in 2019 were chronic liver disease and cirrhosis, which increased by 10.5% in 2019. Alzheimer's disease remained the eighth leading cause of death in West Virginia increasing by 40 or 5.1%. Deaths due to stroke, which remained the fifth leading cause of death, increased by 40 or 4.0%. Diabetes mellitus deaths increased by 20 or 2.1% and dementia, the seventh leading cause of death in the Mountain State increased by 11 or 1.2%. Deaths due to influenza and pneumonia decreased by 142 (26.3%) and nephritis, nephrotic syndrome and nephrosis deaths decreased by 77 or 15.7%.

Accidental deaths were the third leading cause of death in West Virginia for the first time since 2017. The number of accidental deaths rose by 163 (9.5%), from 1,713 in 2018 to 1,876 in 2019. 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 nearly half (44.3%) of all deaths for this age group in 2019. Motor vehicle accident deaths decreased by only three or 0.9%, from 333 in 2018 to 330 in 2019. West Virginia's 2019 motor vehicle fatalities included two children under five years of age, five fewer than 2018. Accidental poisoning deaths were still a major concern in West Virginia, as they increased by 33 (4.0%) from 835 in 2018 to 868 in 2019. Accidental poisoning accounted for forty percent (40.5%) of all deaths in the age group of 25-34.

Suicides decreased by 71, from 404 to 333 between 2018 and 2019. Male suicides decreased by 61 or 19.0%, from 321 in 2018 to 260 in 2019. The number of female suicides (73) was ten less or 12.0% than the 83 in 2018. Nearly sixty percent (59.8%) of all suicide deaths were firearm related; 63.5% of male suicides and 46.6% of female suicides. The average age of death for suicide in 2019 was 46.3 years. While suicide was the 13th 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 19 in 2019, five more than 2018.

Homicides decreased by seven or 6.8%, from 103 in 2018 to 96 in 2019. Sixty-nine of the homicide victims were male, 27 were female. The average age at death for a homicide victim in 2019 was 37.8 years. There were no homicide victims under the age of five in 2019, compared to six in 2018. Over eighty percent (81.3%) of 2019 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 Wisconsin, 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 Wisconsin occurrence.

Whether or not tobacco was a contributory factor was not reported for over half of 2019 resident deaths. Where it was reported, tobacco was either a definite or a probable contributing factor, in nearly one-third (30.7%) of deaths. There were 532 resident deaths among women of childbearing age, 15-44, with nineteen (3.6%) of those women reported as either being pregnant at the time or within one year of their death. However, 65 of the deaths had an unknown or no listing. Over half (58.5%) of the 330 motor vehicle accident deaths reported whether a seatbelt was worn. Only 38.3% of those deaths reported a seatbelt was worn at the time of death. The transportation role was more accurately reported with 295 (89.4%) of the motor vehicle deaths. Under two-thirds (65.4%) of the motor vehicle fatalities were the driver and over twenty percent (21.0%) were the passenger. The remaining 13.6% involved a pedestrian or some other role.

Years of Potential Life Lost (YPLL)

The 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 22 would, therefore, contribute 53 years to the total YPLL (75-22=53). YPLL is an important tool in emphasizing and evaluating causes of premature death.

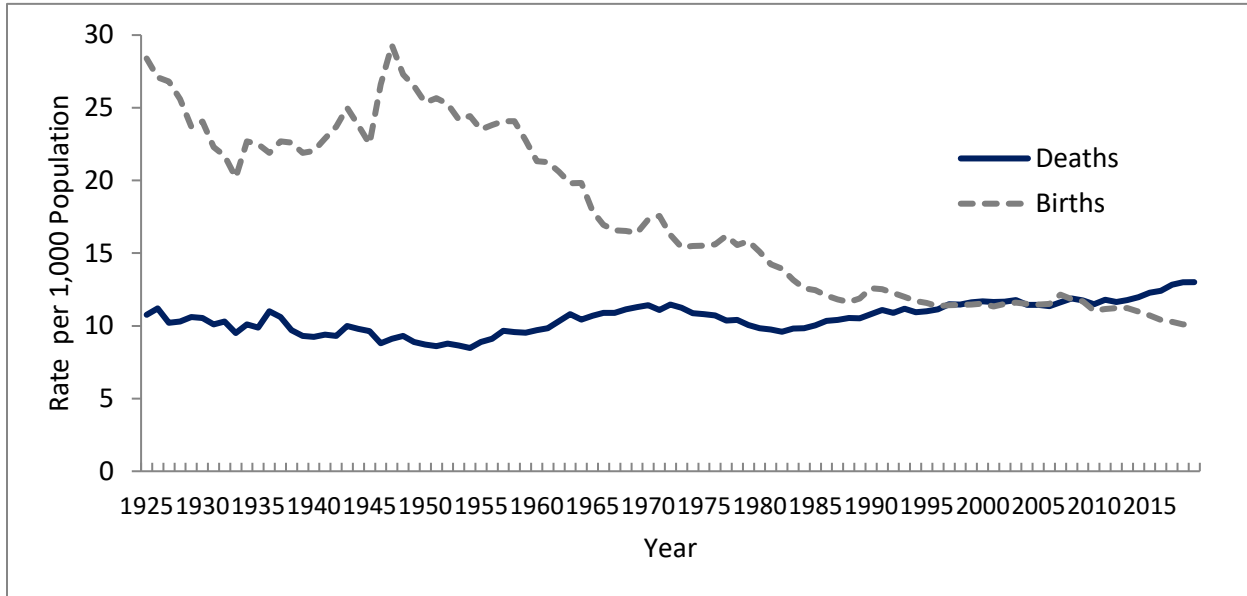
The YPLL from all causes decreased 1.9%, from 189,635 YPLL in 2018 to 185,950 in 2019. The four leading causes of YPLL in 2019 were non-motor vehicle accidents (33,492 YPLL), malignant neoplasms (32,781 YPLL), diseases of the heart (26,106 YPLL), and suicides (9,803 YPLL). Combined, these four causes accounted for over half (55.0%) of all years of potential life lost in 2019. In comparison to 2018, YPLL attributed to non-motor vehicle accidents increased from 17.1% to 18.0% of the total YPLL, malignant neoplasms decreased from 18.0% to 17.6%, YPLL due to diseases of the heart decreased from 14.1% to 14.0%, and the percentage of total YPLL due to suicides decreased from 5.9% to 5.3%.

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, 1925-2019

Exhibit 10



Year	Deaths		Births	
	Number of Deaths	Rate per 1,000 Population	Number of Live Births	Rate per 1,000 Population
1925	17,132	10.8	45,240	28.4
1930	18,220	10.5	41,614	24.1
1935	18,342	9.9	41,775	22.5
1940	17,577	9.2	41,900	22.0
1945	16,464	9.6	38,446	22.5
1950	17,459	8.7	50,850	25.4
1955	16,712	8.9	44,199	23.5
1960	18,040	9.7	39,696	21.3
1965	19,121	10.7	31,958	17.9
1970	19,924	11.4	30,194	17.3
1975	19,479	10.8	27,960	15.5
1980	19,178	9.8	29,438	15.1
1985	19,425	10.0	24,108	12.5
1990	19,360	10.8	22,582	12.6
1995	20,128	11.0	21,158	11.6
2000	21,127	11.7	20,860	11.5
2005	20,773	11.4	20,834	11.5
2010	21,278	11.5	20,471	11.0
2011	21,870	11.8	20,705	11.2
2012	21,586	11.6	20,813	11.2
2013	21,846	11.8	20,829	11.2
2014	22,164	12.0	20,303	11.0
2015	22,643	12.3	19,778	10.7
2016	22,721	12.4	19,070	10.4
2017	23,290	12.8	18,679	10.3
2018	23,462	13.0	18,243	10.1
2019	23,291	13.0	18,090	10.1

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Summary Totals
West Virginia Resident Deaths, 2019
Table 17

Characteristic	Number	Percent	Characteristic	Number	Percent
<u>Total</u>			<u>Place Death Occurred</u>		
Residence	23,291	100.0%	WV Hospital	7,132	30.6%
Occurrence	22,914		Home	7,074	30.4%
<u>Gender</u>			Licensed Nursing Home	3,745	16.1%
Male	12,107	52.0%	Hospice Care	2,669	11.5%
Female	11,184	48.0%	Named Place or Street Address	0	0.0%
<u>Disposition of Death</u>			Out-of-State Hospital	1,418	6.1%
Burial	11,718	51.7%	Other Personal Care	1,189	5.1%
Cremation	9,208	40.7%	En Route to Hospital	64	0.3%
Removal from State	1,121	4.9%	Clinic or Center	0	0.0%
Donation	548	2.4%	Other and Unknown	0	0.0%
Other	53	0.2%	<u>Race</u>		
Unknown	643		White or Caucasian	22,513	96.7%
<u>Age at Death</u>			Black or African American	680	2.9%
Less than One Year of Age	112	0.5%	All Other Races	98	0.4%
One to Four Years	21	0.1%	<u>Leading Causes of Death</u>		
Five to Fourteen Years	27	0.1%	Diseases of the Heart	5,085	21.8%
Fifteen to Nineteen Years	72	0.3%	Malignant Neoplasms	4,597	19.7%
Twenty to Twenty-Four Years	131	0.6%	Accidents, All Forms	1,876	8.1%
Twenty-Five to Thirty-Four Years	518	2.2%	Chronic Lower Respiratory Disease	1,664	7.1%
Thirty-Five to Forty-Four Years	811	3.5%	Cerebrovascular Disease	1,029	4.4%
Forty-Five to Fifty-Four Years	1,434	6.2%	Diabetes Mellitus	952	4.1%
Fifty-Five to Sixty-Four Years	3,328	14.3%	Dementia	931	4.0%
Sixty-Five to Seventy-Four Years	4,985	21.4%	Alzheimer's Disease	830	3.6%
Seventy-Five to Eighty-Four Years	5,903	25.3%	Nephritis, Nephrotic Syndrome and Nephrosis	414	1.8%
Eighty-Five Years and Older	5,949	25.5%	Influenza and Pneumonia	397	1.7%
			All Other Causes (Residual)	5,516	23.7%

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, 2015-2019
Table 18

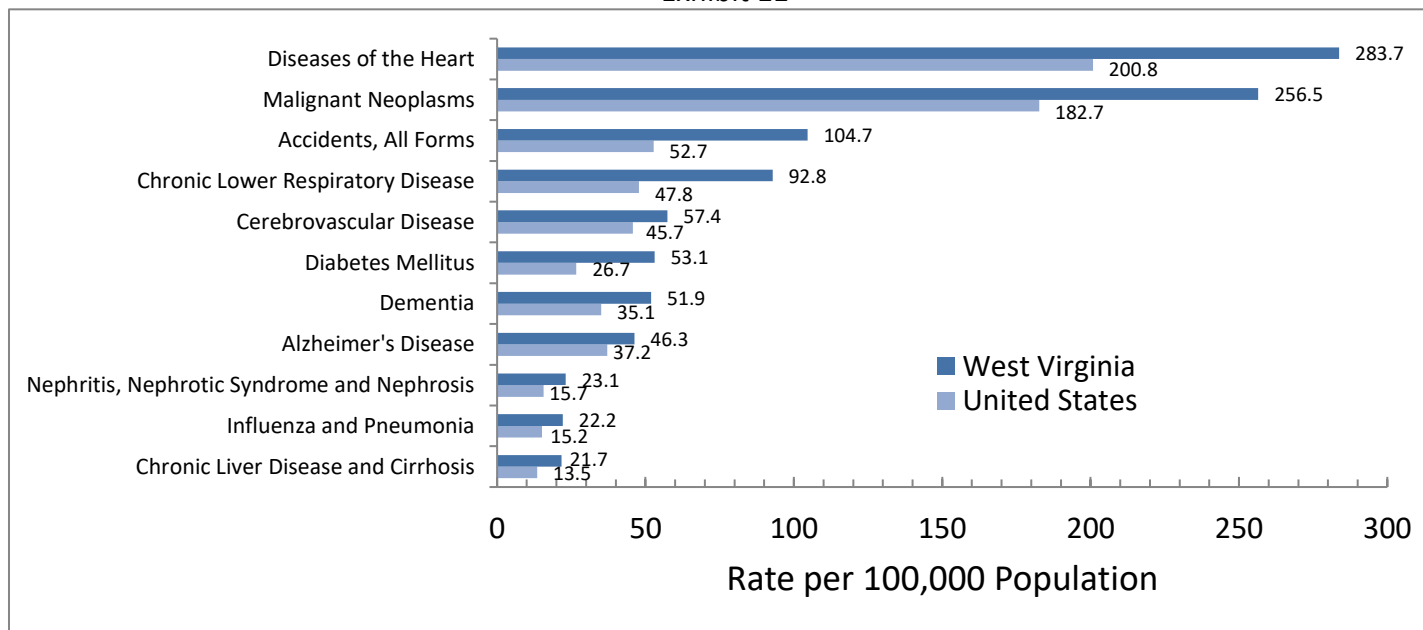
State	2015 Deaths	2016 Deaths	2017 Deaths	2018 Deaths	2019 Deaths
Ohio	604	709	671	665	555
Virginia	603	578	621	537	548
Maryland	301	259	281	286	256
Pennsylvania	171	289	293	254	270
Kentucky	178	200	252	238	280
North Carolina	71	60	77	74	62
Florida	46	50	47	59	58
Tennessee	20	4	22	37	17
South Carolina	17	20	23	21	17
District of Columbia	20	19	16	16	7
Georgia	11	7	9	8	11
California	2	10	8	8	8
Texas	5	3	9	8	9
All Other States/Countries	56	51	51	50	42
Total	2,105	2,259	2,380	2,261	2,140

Deaths to Out-of-State Residents
West Virginia Occurrence Deaths, 2015-2019
Table 19

State	2015 Deaths	2016 Deaths	2017 Deaths	2018 Deaths	2019 Deaths
Ohio	845	807	818	840	911
Virginia	192	183	178	192	183
Pennsylvania	178	147	177	183	194
Maryland	157	155	187	164	174
Kentucky	155	121	145	156	151
Florida	25	27	39	35	32
North Carolina	17	13	18	24	32
Michigan	6	12	21	14	10
South Carolina	5	6	16	16	9
Texas	2	8	9	8	11
Tennessee	10	6	8	7	6
New York	6	7	4	8	10
All Other States/Countries	42	47	46	73	40
Total	1,640	1,539	1,666	1,720	1,763

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**2019 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	5,085	283.7	21.8%	659,041	200.8	23.1%
Malignant Neoplasms	4,597	256.5	19.7%	599,601	182.7	21.0%
Accidents, All Forms	1,876	104.7	8.1%	173,040	52.7	6.1%
Chronic Lower Respiratory Disease	1,664	92.8	7.1%	156,979	47.8	5.5%
Cerebrovascular Disease	1,029	57.4	4.4%	150,005	45.7	5.3%
Diabetes Mellitus	952	53.1	4.1%	87,647	26.7	3.1%
Dementia	931	51.9	4.0%	115,085	35.1	4.0%
Alzheimer's Disease	830	46.3	3.6%	122,019	37.2	4.3%
Nephritis, Nephrotic Syndrome and Nephrosis	414	23.1	1.8%	51,565	15.7	1.8%
Influenza and Pneumonia	397	22.2	1.7%	49,783	15.2	1.7%
Chronic Liver Disease and Cirrhosis	389	21.7	1.7%	44,358	13.5	1.6%
Total for Leading Causes	18,164	1,013.5	78.0%	2,209,123	673.0	77.4%
All Other Causes (Residual)	5,127	286.1	22.0%	645,715	196.7	22.6%
Total for All Causes	23,291	1,299.6	100.0%	2,854,838	869.7	100.0%

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

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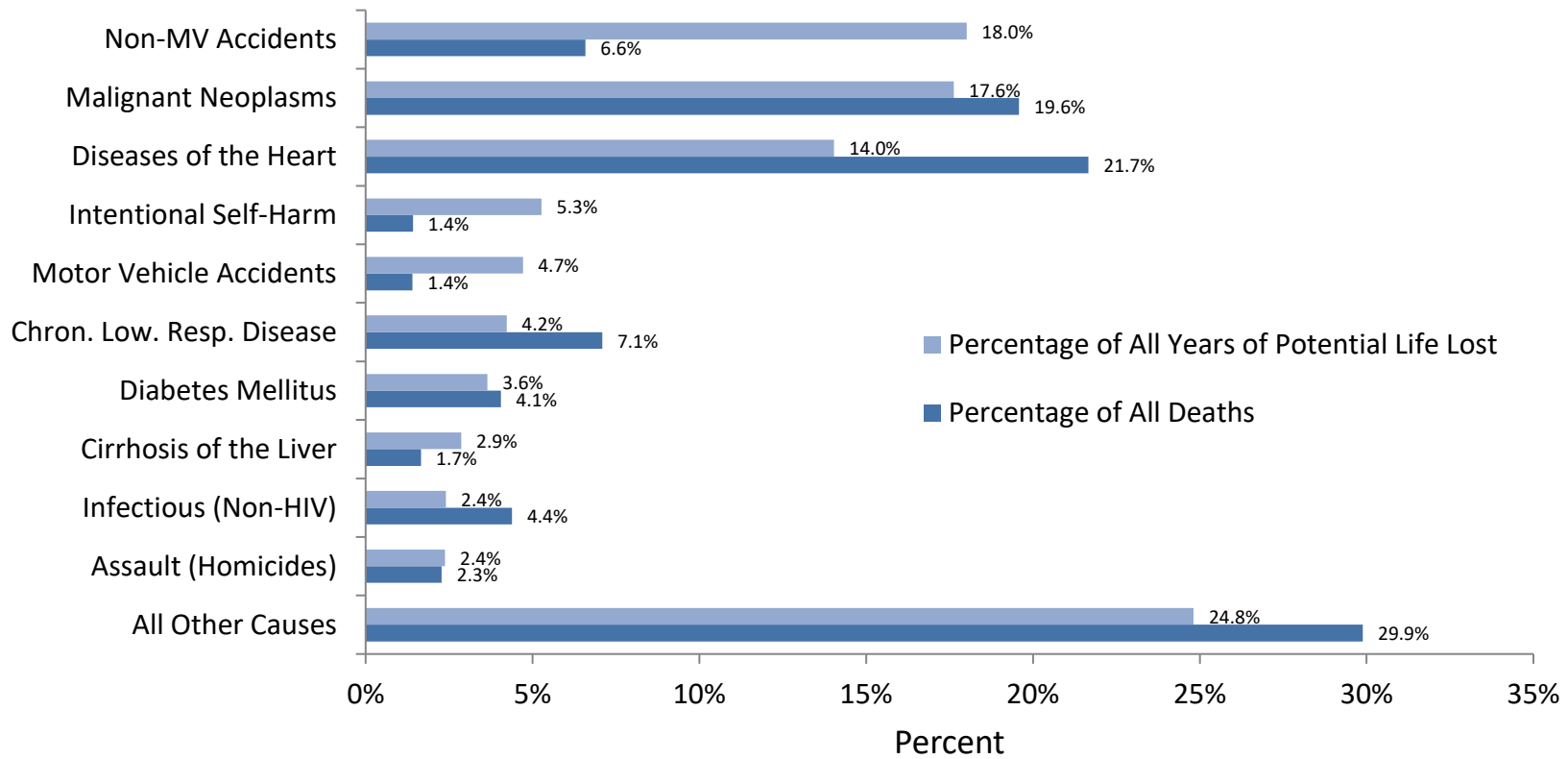
Top Twenty Leading Causes of Years of Potential Life Lost Before Age 75*
 Compared to Actual Deaths of All Ages
 West Virginia Residents, 2018 and 2019
 Table 20

Cause of Death	Years of Potential Life Lost Before Age 75				Actual Deaths			
	2018		2019		2018		2019	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Causes	189,635	100.0%	185,950	100.0%	23,462	100.0%	23,291	100.0%
Non-Motor Vehicle Accidents	32,434	17.1%	33,492	18.0%	1,380	5.9%	1,546	6.6%
Malignant Neoplasms (Cancer)	34,072	18.0%	32,781	17.6%	4,676	19.9%	4,597	19.7%
Diseases of the Heart	26,710	14.1%	26,106	14.0%	5,015	21.4%	5,085	21.8%
Intentional Self-Harm (Suicides)	11,282	5.9%	9,803	5.3%	404	1.7%	333	1.4%
Motor Vehicle Accidents	9,384	4.9%	8,763	4.7%	333	1.4%	330	1.4%
Chronic Lower Respiratory Diseases	7,547	4.0%	7,859	4.2%	1,723	7.3%	1,664	7.1%
Diabetes Mellitus	6,949	3.7%	6,785	3.6%	932	4.0%	952	4.1%
Chronic Liver Disease and Cirrhosis	4,727	2.5%	5,327	2.9%	352	1.5%	389	1.7%
Infectious and Parasitic Diseases (excluding HIV)	3,558	1.9%	4,472	2.4%	989	4.2%	1,029	4.4%
Assault (Homicides)	4,505	2.4%	4,420	2.4%	581	2.5%	535	2.3%
Cerebrovascular Diseases (Stroke)	3,709	2.0%	3,567	1.9%	103	0.4%	96	0.4%
Alcohol or Drug Psychoses, Dependence or Abuse	3,576	1.9%	3,246	1.7%	158	0.7%	132	0.6%
Congenital Malformations	3,192	1.7%	2,808	1.5%	67	0.3%	64	0.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	1,618	0.9%	2,217	1.2%	48	0.2%	57	0.2%
Influenza and Pneumonia	2,577	1.4%	2,150	1.2%	539	2.3%	397	1.7%
Nephritis, Nephrotic Syndrome and Nephrosis	2,747	1.4%	2,051	1.1%	491	2.1%	414	1.8%
Essential Hypertension and Hypertensive Renal Disease	1,576	0.8%	1,840	1.0%	256	1.1%	309	1.3%
Obesity	1,705	0.9%	1,458	0.8%	94	0.4%	79	0.3%
Disorders Relating to Short Gestation and Unspecified Low Birthweight	961	0.5%	1,118	0.6%	13	0.1%	15	0.1%
Other Respiratory Conditions of the Newborn (Non-RDS)	149	0.1%	671	0.4%	2	0.0%	9	0.0%
All Other Causes (Residual)	59,093	31.2%	58,511	31.5%	6,686	28.5%	6,805	29.2%

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*Top 20 leading causes in 2019.

**Top Ten Causes of Years of Potential Life Lost Before Age 75
Compared to Resident Deaths of All Ages
West Virginia Resident Deaths, 2019
Exhibit 12**



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Leading Causes of Death by Age Group and Gender
West Virginia Resident Deaths, 2019

Table 21

Leading Causes of Death	Total. All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	12,107		11,184		23,291	
Diseases of the Heart	2,717	22.4%	2,368	21.2%	5,085	21.8%
Malignant Neoplasms (Cancer)	2,544	21.0%	2,053	18.4%	4,597	19.7%
Accidents, All Forms	1,162	9.6%	714	6.4%	1,876	8.1%
Chronic Lower Respiratory Disease	781	6.5%	883	7.9%	1,664	7.1%
Cerebrovascular Disease (Stroke)	429	3.5%	600	5.4%	1,029	4.4%
Diabetes Mellitus	549	4.5%	403	3.6%	952	4.1%
Dementia	302	2.5%	629	5.6%	931	4.0%
Alzheimer's Disease	227	1.9%	603	5.4%	830	3.6%
Nephritis, Nephrotic Syndrome and Nephrosis	215	1.8%	199	1.8%	414	1.8%
Influenza and Pneumonia	196	1.6%	201	1.8%	397	1.7%
All Other Causes (Residual)	5,702	47.1%	4,899	43.8%	10,601	45.5%

Leading Causes of Death	Less than One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	67		45		112	
Congenital Malformations	12	17.9%	12	26.7%	24	21.4%
Disorders Relating to Short Gestation/Unspecified LBW	8	11.9%	7	15.6%	15	13.4%
Maternal Complications of Pregnancy	4	6.0%	3	6.7%	7	6.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	5	7.5%	1	2.2%	6	5.4%
Complications of Placenta, Cord, and Membrane	4	6.0%	1	2.2%	5	4.5%
Accidents, All Forms	3	4.5%	1	2.2%	4	3.6%
Sudden Infant Death Syndrome	2	3.0%	1	2.2%	3	2.7%
Infectious and Parasitic Diseases	1	1.5%	2	4.4%	3	2.7%
Neonatal Digestive Disorders	2	3.0%	0	0.0%	2	1.8%
Influenza and Pneumonia	2	3.0%	0	0.0%	2	1.8%
All Other Causes (Residual)	24	35.8%	17	37.8%	41	36.6%

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	11		10		21	
Accidents, All Forms	4	36.4%	2	20.0%	6	28.6%
Congenital Malformations	1	9.1%	3	30.0%	4	19.0%
Ill-Defined Conditions	3	27.3%	1	10.0%	4	19.0%
Injury Undetermined Whether Accidental or Purposely Inflicted	2	18.2%	1	10.0%	3	14.3%
All Other Causes (Residual)	2	18.2%	3	30.0%	5	23.8%

Note: Percentages in each category are calculated as a total for that gender.
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Leading Causes of Death by Age Group and Gender
West Virginia Resident Deaths, 2019
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	4		6		10	
Accidents, All Forms	1	25.0%	2	33.3%	3	30.0%
Congenital Malformations	2	50.0%	0	0.0%	2	20.0%
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0%	2	33.3%	2	20.0%
All Other Causes (Residual)	1	25.0%	2	33.3%	3	30.0%

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	14		3		17	
Accidents, All Forms	4	28.6%	1	33.3%	5	29.4%
Intentional Self-Harm (Suicides)	3	21.4%	1	33.3%	4	23.5%
All Other Causes (Residual)	7	50.0%	1	33.3%	8	47.1%

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	148		55		203	
Accidents, All Forms	71	48.0%	28	50.9%	99	48.8%
Intentional Self-Harm (Suicides)	30	20.3%	9	16.4%	39	19.2%
Assault (Homicides)	13	8.8%	3	5.5%	16	7.9%
Diseases of the Heart	9	6.1%	1	1.8%	10	4.9%
Injury Undetermined Whether Accidental or Purposely Inflicted	5	3.4%	2	3.6%	7	3.4%
Malignant Neoplasms (Cancer)	1	0.7%	2	3.6%	3	1.5%
All Other Causes (Residual)	19	12.8%	10	18.2%	29	14.3%

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	330		188		518	
Accidents, All Forms	177	53.6%	102	54.3%	279	53.9%
Intentional Self-Harm (Suicides)	50	15.2%	10	5.3%	60	11.6%
Assault (Homicides)	19	5.8%	7	3.7%	26	5.0%
Diseases of the Heart	13	3.9%	9	4.8%	22	4.2%
Malignant Neoplasms (Cancer)	6	1.8%	12	6.4%	18	3.5%
Injury Undetermined Whether Accidental or Purposely Inflicted	8	2.4%	3	1.6%	11	2.1%
Diabetes Mellitus	8	2.4%	1	0.5%	9	1.7%
Chronic Liver Disease and Cirrhosis	4	1.2%	2	1.1%	6	1.2%
Obesity	5	1.5%	1	0.5%	6	1.2%
Cerebrovascular Disease (Stroke)	2	0.6%	3	1.6%	5	1.0%
Septicemia	1	0.3%	4	2.1%	5	1.0%
All Other Causes (Residual)	37	11.2%	34	18.1%	71	13.7%

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, 2019
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	522		289		811	
Accidents, All Forms	210	40.2%	103	35.6%	313	38.6%
Diseases of the Heart	63	12.1%	27	9.3%	90	11.1%
Malignant Neoplasms (Cancer)	44	8.4%	35	12.1%	79	9.7%
Intentional Self-Harm (Suicides)	54	10.3%	21	7.3%	75	9.2%
Chronic Liver Disease and Cirrhosis	20	3.8%	7	2.4%	27	3.3%
Assault (Homicides)	18	3.4%	5	1.7%	23	2.8%
Diabetes Mellitus	10	1.9%	7	2.4%	17	2.1%
Cerebrovascular Disease (Stroke)	7	1.3%	9	3.1%	16	2.0%
Septicemia	5	1.0%	8	2.8%	13	1.6%
Essential Hypertension and Hypertensive Renal Disease	6	1.1%	2	0.7%	8	1.0%
Obesity	5	1.0%	3	1.0%	8	1.0%
All Other Causes (Residual)	80	15.3%	62	21.5%	142	17.5%

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	849		585		1,434	
Malignant Neoplasms (Cancer)	157	18.5%	156	26.7%	313	21.8%
Accidents, All Forms	185	21.8%	96	16.4%	281	19.6%
Diseases of the Heart	178	21.0%	85	14.5%	263	18.3%
Chronic Liver Disease and Cirrhosis	53	6.2%	23	3.9%	76	5.3%
Diabetes Mellitus	31	3.7%	29	5.0%	60	4.2%
Chronic Lower Respiratory Disease	20	2.4%	31	5.3%	51	3.6%
Intentional Self-Harm (Suicides)	32	3.8%	13	2.2%	45	3.1%
Cerebrovascular Disease (Stroke)	18	2.1%	21	3.6%	39	2.7%
Influenza and Pneumonia	18	2.1%	7	1.2%	25	1.7%
Assault (Homicides)	12	1.4%	8	1.4%	20	1.4%
Nephritis, Nephrotic Syndrome and Nephrosis	13	1.5%	7	1.2%	20	1.4%
All Other Causes (Residual)	132	15.5%	109	18.6%	241	16.8%

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,003		1,325		3,328	
Malignant Neoplasms (Cancer)	535	26.7%	407	30.7%	942	28.3%
Diseases of the Heart	412	20.6%	227	17.1%	639	19.2%
Chronic Lower Respiratory Disease	132	6.6%	138	10.4%	270	8.1%
Accidents, All Forms	177	8.8%	64	4.8%	241	7.2%
Diabetes Mellitus	106	5.3%	74	5.6%	180	5.4%
Chronic Liver Disease and Cirrhosis	72	3.6%	37	2.8%	109	3.3%
Cerebrovascular Disease (Stroke)	56	2.8%	47	3.5%	103	3.1%
Septicemia	30	1.5%	27	2.0%	57	1.7%
Essential Hypertension and Hypertensive Renal Disease	35	1.7%	13	1.0%	48	1.4%
Nephritis, Nephrotic Syndrome and Nephrosis	26	1.3%	21	1.6%	47	1.4%
All Other Causes (Residual)	422	21.1%	270	20.4%	692	20.8%

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, 2019
Table 21 (Cont'd)

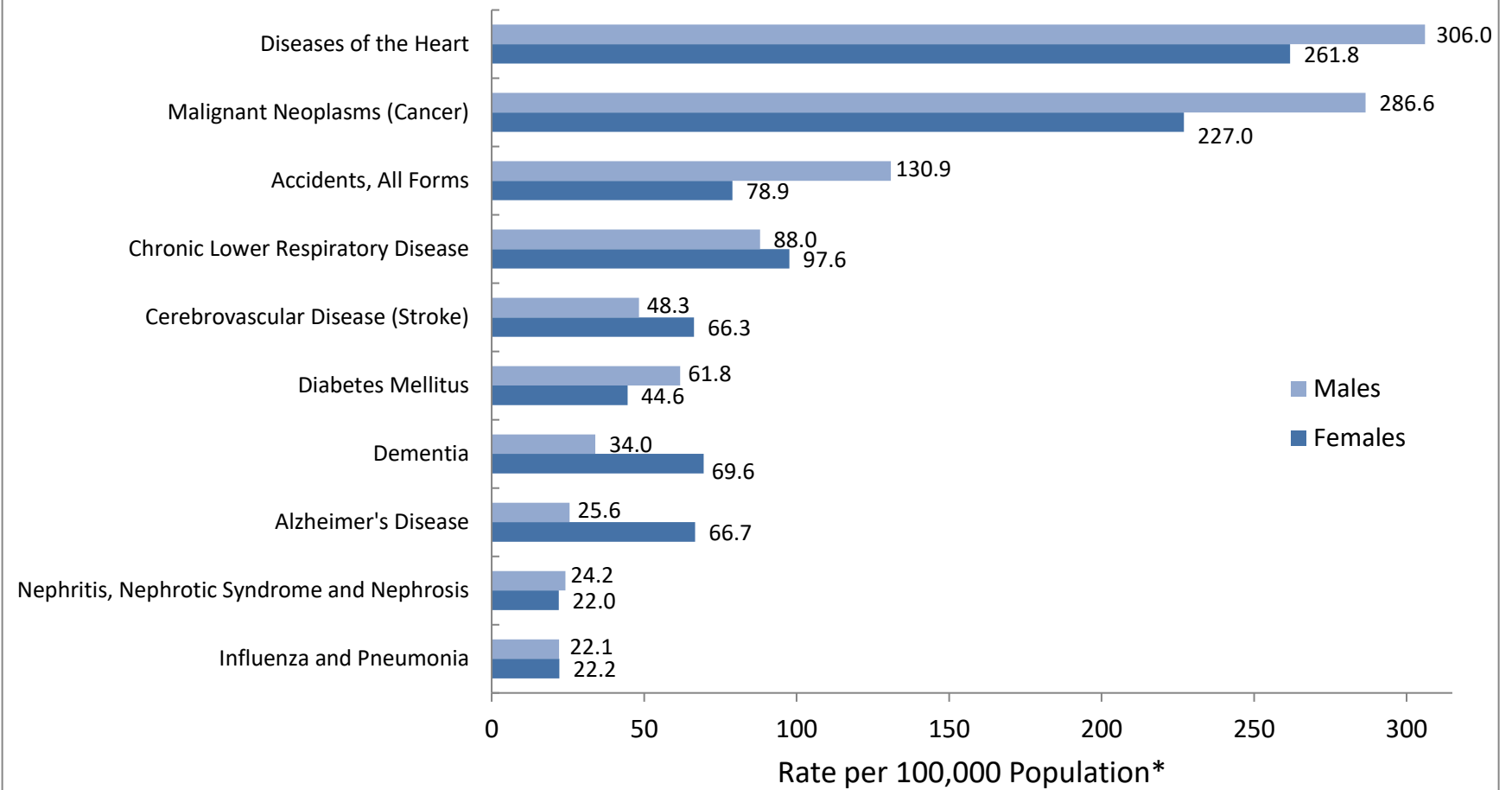
Leading Causes of Death	Sixty-Five to Seventy-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,868		2,117		4,985	
Malignant Neoplasms (Cancer)	799	27.9%	594	28.1%	1,393	27.9%
Diseases of the Heart	662	23.1%	383	18.1%	1,045	21.0%
Chronic Lower Respiratory Disease	229	8.0%	246	11.6%	475	9.5%
Diabetes Mellitus	193	6.7%	95	4.5%	288	5.8%
Cerebrovascular Disease (Stroke)	95	3.3%	101	4.8%	196	3.9%
Accidents, All Forms	111	3.9%	63	3.0%	174	3.5%
Nephritis, Nephrotic Syndrome and Nephrosis	52	1.8%	49	2.3%	101	2.0%
Chronic Liver Disease and Cirrhosis	58	2.0%	38	1.8%	96	1.9%
Septicemia	44	1.5%	47	2.2%	91	1.8%
Dementia	36	1.3%	38	1.8%	74	1.5%
All Other Causes (Residual)	625	21.8%	501	23.7%	1,126	22.6%

Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	3,054		2,849		5,903	
Diseases of the Heart	725	23.7%	595	20.9%	1,320	22.4%
Malignant Neoplasms (Cancer)	718	23.5%	546	19.2%	1,264	21.4%
Chronic Lower Respiratory Disease	254	8.3%	249	8.7%	503	8.5%
Cerebrovascular Disease (Stroke)	132	4.3%	167	5.9%	299	5.1%
Dementia	102	3.3%	165	5.8%	267	4.5%
Alzheimer's Disease	96	3.1%	159	5.6%	255	4.3%
Diabetes Mellitus	125	4.1%	95	3.3%	220	3.7%
Accidents, All Forms	109	3.6%	109	3.8%	218	3.7%
Nephritis, Nephrotic Syndrome and Nephrosis	73	2.4%	63	2.2%	136	2.3%
Influenza and Pneumonia	64	2.1%	63	2.2%	127	2.2%
All Other Causes (Residual)	656	21.5%	638	22.4%	1,294	21.9%

Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,237		3,712		5,949	
Diseases of the Heart	655	29.3%	1,041	28.0%	1,696	28.5%
Malignant Neoplasms (Cancer)	283	12.7%	300	8.1%	583	9.8%
Dementia	160	7.2%	421	11.3%	581	9.8%
Alzheimer's Disease	111	5.0%	408	11.0%	519	8.7%
Cerebrovascular Disease (Stroke)	117	5.2%	250	6.7%	367	6.2%
Chronic Lower Respiratory Disease	145	6.5%	214	5.8%	359	6.0%
Accidents, All Forms	110	4.9%	143	3.9%	253	4.3%
Diabetes Mellitus	75	3.4%	101	2.7%	176	3.0%
Influenza and Pneumonia	54	2.4%	75	2.0%	129	2.2%
Essential Hypertension and Hypertensive Renal Disease	34	1.5%	72	1.9%	106	1.8%
All Other Causes (Residual)	493	22.0%	687	18.5%	1,180	19.8%

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

2019 Ten Leading Causes of Death by Gender West Virginia Resident Death Rates* Exhibit 13



Types of Firearm Injury Deaths by Age Group and Gender
West Virginia Residents, 2019

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	1	0	0	0	0	1	0	4	2	8
Intentional Self-Harm (Suicide)	0	2	11	15	22	32	27	36	54	199
Assault (Homicide)	0	0	6	9	25	18	16	4	0	78
Legal Intervention	0	0	0	0	2	3	0	0	1	6
Undetermined	0	0	0	3	4	0	2	0	1	10
Total	1	2	17	27	53	54	45	44	58	301
Male										
Accidental	1	0	0	0	0	1	0	4	2	8
Intentional Self-Harm (Suicide)	0	2	8	12	21	24	21	32	45	165
Assault (Homicide)	0	0	4	9	19	14	10	3	0	59
Legal Intervention	0	0	0	0	2	3	0	0	1	6
Undetermined	0	0	0	2	3	0	1	0	1	7
Total	1	2	12	23	45	42	32	39	49	245
Female										
Accidental	0	0	0	0	0	0	0	0	0	0
Intentional Self-Harm (Suicide)	0	0	3	3	1	8	6	4	9	34
Assault (Homicide)	0	0	2	0	6	4	6	1	0	19
Legal Intervention	0	0	0	0	0	0	0	0	0	0
Undetermined	0	0	0	1	1	0	1	0	0	3
Total	0	0	5	4	8	12	13	5	9	56

West Virginia Bureau for Public Health
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Motor Vehicle Accident Injury Deaths
Transportation Role of Decedent at the Time of Injury
West Virginia Residents, 2019
Table 23

Role of Decedent	Male	Female	Total
Driver/Operator	151	42	193
Passenger	27	35	62
Pedestrian	25	14	39
Other Roles	1	0	1
Unknown/Not Reported	22	13	35
Total	226	104	330

Non-Transport Accidental Injury Deaths
Place Where Injury Occurred
West Virginia Residents, 2019
Table 24

Place of Injury	Male	Female	Total
Home	521	368	889
Farm	3	0	3
Mine and Quarry	4	0	4
Industrial Places	1	0	1
Public Building	5	1	6
Recreational Places	8	0	8
Resident Institution	5	3	8
Street and Highway	5	0	5
Other Specified Places	269	168	437
Unspecified Places	86	63	149
Total	907	603	1,510

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Causes of Resident Deaths: Number and Rate
West Virginia, 2019
Table 25

ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99*	Total Deaths, All Causes	23,291	13.0
A00-B99	Certain Infectious and Parasitic Diseases	551	30.7
A00-A09	Intestinal Infectious Diseases	70	3.9
A04	Other Bacterial Intestinal Infections	52	2.9
A08	Viral and Other Specified Intestinal Infections	1	0.1
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	17	0.9
A15-A19	Tuberculosis	3	0.2
A16	Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically	2	0.1
A18	Tuberculosis of other organs	1	0.1
A30-A49	Other Bacterial Diseases	377	21.0
A31	Infection due to Other Mycobacteria	2	0.1
A32	Listeriosis	1	0.1
A40	Streptococcal Septicemia	5	0.3
A41	Other Septicemia	345	19.3
A42	Actinomycosis	1	0.1
A48	Other Bacterial Diseases, Not Elsewhere Classified	5	0.3
A49	Bacterial Infection of Unspecified Site	18	1.0
A65-A69	Other Spirochaetal Diseases	1	0.1
A69	Other Spirochaetal Infections	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
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	2	0.1
B00	Herpesviral [Herpes Simplex] Infection	2	0.1
B15-B19	Viral Hepatitis	39	2.2
B15	Acute Hepatitis A	7	0.4
B16	Acute Hepatitis B	8	0.4
B17	Other Acute Viral Hepatitis	1	0.1
B18	Chronic Viral Hepatitis	20	1.1
B19	Unspecified Viral Hepatitis	3	0.2
B20-B24	Human Immunodeficiency Virus [HIV] Disease	16	0.9
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	7	0.4
B21	Human Immunodeficiency Virus [HIV] Disease Resulting in Malignant Neoplasms	1	0.1
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	5	0.3
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	3	0.2
B25-B34	Other Viral Diseases	12	0.7
B25	Cytomegaloviral Disease	1	0.1
B34	Viral Infection of Unspecified Site	11	0.6
B35-B49	Mycoses	7	0.4
B37	Candidiasis	1	0.1
B39	Histoplasmosis	1	0.1
B40	Blastomycosis	1	0.1
B45	Cryptococcosis	1	0.1
B49	Unspecified Mycosis	3	0.2
B50-B64	Protozoal Diseases	2	0.1
B58	Toxoplasmosis	1	0.1
B59	Pneumocystosis	1	0.1
B90-B94	Sequelae of Infectious and Parasitic Diseases	11	0.6
B90	Sequelae of Tuberculosis	1	0.1
B94	Sequelae of Other and Unspecified Infectious and Parasitic Diseases	10	0.6
B99	Other Infectious Diseases	6	0.3
B99	Other and Unspecified Infectious Diseases	6	0.3
C00-D48	Neoplasms	4,720	263.4
C00-C97	Malignant Neoplasms	4,596	256.5
C01	Malignant Neoplasm of Base of Tongue	2	0.1
C02	Malignant Neoplasm of Other and Unspecified Parts of Tongue	15	0.8
C04	Malignant Neoplasm of Floor of Mouth	1	0.1
C05	Malignant Neoplasm of Palate	2	0.1
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	7	0.4
C07	Malignant Neoplasm of Parotid Gland	2	0.1
C08	Malignant Neoplasm of Other and Unspecified Major Salivary Glands	2	0.1

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

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Causes of Resident Deaths: Number and Rate
West Virginia, 2019
Table 25 (Cont'd)

ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
C09	Malignant Neoplasm of Tonsil	9	0.5
C10	Malignant Neoplasm of Oropharynx	12	0.7
C11	Malignant Neoplasm of Nasopharynx	2	0.1
C13	Malignant Neoplasm of Hypopharynx	1	0.1
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	13	0.7
C15-C26	Malignant Neoplasms of Digestive Organs	1,161	64.8
C15	Malignant Neoplasm of Esophagus	144	8.0
C16	Malignant Neoplasm of Stomach	46	2.6
C17	Malignant Neoplasm of Small Intestine	8	0.4
C18	Malignant Neoplasm of Colon	336	18.7
C19	Malignant Neoplasm of Rectosigmoid Junction	27	1.5
C20	Malignant Neoplasm of Rectum	57	3.2
C21	Malignant Neoplasm of Anus and Anal Canal	12	0.7
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	168	9.4
C23	Malignant Neoplasm of Gallbladder	14	0.8
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	14	0.8
C25	Malignant Neoplasm of Pancreas	315	17.6
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	20	1.1
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,357	75.7
C30	Malignant Neoplasm of Nasal Cavity and Middle Ear	2	0.1
C31	Malignant Neoplasm of Accessory Sinuses	1	0.1
C32	Malignant Neoplasm of Larynx	42	2.3
C34	Malignant Neoplasm of Bronchus and Lung	1,311	73.2
C38	Malignant Neoplasm of Heart, Mediastinum and Pleura	1	0.1
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	14	0.8
C41	Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites	14	0.8
C43-C44	Melanoma and Other Malignant Neoplasms of Skin	92	5.1
C43	Malignant Neoplasm of Skin	62	3.5
C44	Other Malignant Neoplasms of Skin	30	1.7
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	43	2.4
C45	Mesothelioma	12	0.7
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	8	0.4
C49	Malignant Neoplasm of Other Connective and Soft Tissue	23	1.3
C50	Malignant Neoplasm of Breast	285	15.9
C50	Malignant Neoplasm of Breast	285	15.9
C51-C58	Malignant Neoplasms of Female Genital Organs	217	12.1
C51	Malignant Neoplasm of Vulva	10	0.6
C52	Malignant Neoplasm of Vagina	4	0.2
C53	Malignant Neoplasm of Cervix Uteri	39	2.2
C54	Malignant Neoplasm of Corpus Uteri	40	2.2
C55	Malignant Neoplasm of Uterus, Part Unspecified	25	1.4
C56	Malignant Neoplasm of Ovary	90	5.0
C57	Malignant Neoplasm of Other and Unspecified Female Genital Organs	9	0.5
C60-C63	Malignant Neoplasms of Male Genital Organs	202	11.3
C60	Malignant Neoplasm of Penis	1	0.1
C61	Malignant Neoplasm of Prostate	197	11.0
C62	Malignant Neoplasm of Testis	4	0.2
C64-C68	Malignant Neoplasms of Urinary Tract	243	13.6
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	115	6.4
C66	Malignant Neoplasm of Ureter	3	0.2
C67	Malignant Neoplasm of Bladder	121	6.8
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	4	0.2
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	116	6.5
C69	Malignant Neoplasm of Eye and Adnexa	1	0.1
C70	Malignant Neoplasm of Meninges	2	0.1
C71	Malignant Neoplasm of Brain	111	6.2
C72	Malignant Neoplasm of Spinal Cord, Cranial Nerves and Other Parts of the Central Nervous System	2	0.1
C73-C75	Malignant Neoplasms of Other Endocrine Glands	13	0.7
C73	Malignant Neoplasm of Thyroid Gland	8	0.4
C74	Malignant Neoplasm of Adrenal Gland	5	0.3

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Causes of Resident Deaths: Number and Rate
West Virginia, 2019
Table 25 (Cont'd)

ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	308	17.2
C76	Malignant Neoplasm of Other and Ill-Defined Sites	12	0.7
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	21	1.2
C79	Secondary Malignant Neoplasm of Other Sites	36	2.0
C80	Malignant Neoplasm without Specification of Site	239	13.3
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	426	23.8
C81	Hodgkin's Disease	6	0.3
C82	Follicular [Nodular] Non-Hodgkin's Lymphoma	13	0.7
C83	Diffuse Non-Hodgkin's Lymphoma	29	1.6
C84	Peripheral and Cutaneous T-Cell Lymphoma	13	0.7
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	115	6.4
C88	Malignant Immunoproliferative Diseases	1	0.1
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	78	4.4
C91	Lymphoid Leukemia	49	2.7
C92	Myeloid Leukemia	88	4.9
C93	Monocytic Leukemia	1	0.1
C95	Leukemia of Unspecified Cell Type	33	1.8
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	51	2.8
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	51	2.8
D10-D36	Benign Neoplasms	9	0.5
D15	Benign Neoplasm of Other and Unspecified Intrathoracic Organs	1	0.1
D16	Benign Neoplasm of Bone and Articular Cartilage	1	0.1
D18	Hemangioma and Lymphangioma, Any Site	1	0.1
D25	Leiomyoma of Uterus	1	0.1
D32	Benign Neoplasm of Meninges	4	0.2
D33	Benign Neoplasm of Brain and Other Parts of Central Nervous System	1	0.1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	115	6.4
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	12	0.7
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	14	0.8
D39	Neoplasm of Uncertain or Unknown Behavior of Female Genital Organs	2	0.1
D40	Neoplasm of Uncertain or Unknown Behavior of Male Genital Organs	1	0.1
D41	Neoplasm of Uncertain or Unknown Behavior of Urinary Organs	11	0.6
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	12	0.7
D45	Polycythemia Vera	2	0.1
D46	Myelodysplastic Syndromes	46	2.6
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	8	0.4
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	7	0.4
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	91	5.1
D50-D53	Nutritional Anemias	3	0.2
D50	Iron Deficiency Anemia	3	0.2
D55-D59	Hemolytic Anemias	6	0.3
D56	Thalassaemia	1	0.1
D57	Sickle-Cell Disorders	1	0.1
D58	Other Hereditary Hemolytic Anemias	2	0.1
D59	Acquired Hemolytic Anemia	2	0.1
D60-D64	Aplastic and Other Anemias	51	2.8
D61	Other Aplastic Anemias	12	0.7
D62	Acute Posthemorrhagic Anemia	11	0.6
D64	Other Anemias	28	1.6
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	16	0.9
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	6	0.3
D68	Other Coagulation Defects	3	0.2
D69	Purpura and Other Hemorrhagic Conditions	7	0.4
D70-D77	Other Diseases of Blood and Blood-forming Organs	6	0.3
D70	Agranulocytosis	4	0.2
D71	Functional Disorders of Polymorphonuclear Neutrophils	1	0.1
D75	Other Diseases of Blood and Blood-forming Organs	1	0.1
D80-D89	Certain Disorders Involving the Immune Mechanism	9	0.5
D83	Common Variable Immunodeficiency	2	0.1
D84	Other Immunodeficiencies	3	0.2

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ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
D86	Sarcoidosis	3	0.2
D89	Other Disorders Involving the Immune Mechanism, Not Elsewhere Classified	1	0.1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,424	79.5
E00-E07	Disorders of Thyroid Gland	24	1.3
E03	Other Hypothyroidism	20	1.1
E05	Thyrotoxicosis [Hyperthyroidism]	2	0.1
E06	Thyroiditis	1	0.1
E07	Other Disorders of Thyroid	1	0.1
E10-E14	Diabetes Mellitus	952	53.1
E10	Insulin-Dependent Diabetes Mellitus	48	2.7
E11	Non-Insulin-Dependent Diabetes Mellitus	366	20.4
E14	Unspecified Diabetes Mellitus	538	30.0
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	6	0.3
E16	Other Disorders of Pancreatic Internal Secretion	6	0.3
E20-E35	Disorders of Other Endocrine Glands	7	0.4
E21	Hypoparathyroidism and Other Disorders of Parathyroid Gland	1	0.1
E23	Hyperfunction and Other Disorders of Pituitary Gland	2	0.1
E27	Other Disorders of Adrenal Gland	3	0.2
E31	Polyglandular Dysfunction	1	0.1
E40-E46	Malnutrition	64	3.6
E43	Unspecified Severe Protein-Energy Malnutrition	27	1.5
E45	Retarded Development Following Protein-Energy Malnutrition	3	0.2
E46	Unspecified Protein-Energy Malnutrition	34	1.9
E50-E64	Other Nutritional Deficiencies	2	0.1
E51	Thiamine Deficiency	2	0.1
E65-E68	Obesity and Other Hyperalimentation	79	4.4
E66	Obesity	79	4.4
E70-E90	Metabolic Disorders	290	16.2
E72	Other Disorders of Amino-Acid Metabolism	1	0.1
E74	Other Disorders of Carbohydrate Metabolism	1	0.1
E75	Disorders of Sphingolipid Metabolism and Other Lipid Storage Disorders	1	0.1
E76	Disorders of Glycosaminoglycan Metabolism	1	0.1
E77	Disorders of Glycoprotein Metabolism	1	0.1
E78	Disorders of Lipoprotein Metabolism and Other Lipidaemias	157	8.8
E83	Disorders of Mineral Metabolism	4	0.2
E84	Cystic Fibrosis	1	0.1
E85	Amyloidosis	15	0.8
E86	Volume Depletion	9	0.5
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	79	4.4
E88	Other Metabolic Disorders	20	1.1
F00-F99	Mental and Behavioral Disorders	1,091	60.9
F00-F09	Organic, Including Symptomatic, Mental Disorders	940	52.5
F01	Vascular Dementia	94	5.2
F03	Unspecified Dementia	837	46.7
F05	Delirium, Not Induced by Alcohol and Other Psychoactive Substances	3	0.2
F06	Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease	6	0.3
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	132	7.4
F10	Mental and Behavioral Disorders due to Use of Alcohol	71	4.0
F11	Mental and Behavioral Disorders due to Use of Opioids	1	0.1
F15	Mental and Behavioral Disorders due to Use of Other Stimulants, Including Caffeine	3	0.2
F17	Mental and Behavioral Disorders due to Use of Tobacco	12	0.7
F19	Mental and Behavioral Disorders due to Multiple Drug Use and Use of Other Psychoactive Substances	45	2.5
F20-F29	Schizophrenia, Schizotypal and Delusional Disorders	4	0.2
F20	Schizophrenia	4	0.2
F30-F39	Mood [Affective] Disorders	5	0.3
F31	Bipolar Affective Disorder	2	0.1
F32	Depressive Episode	3	0.2
F40-F48	Neurotic, Stress-Related and Somatoform Disorders	1	0.1
F43	Reaction to Severe Stress, and Adjustment Disorders	1	0.1
F50-F59	Behavioral Syndromes Associated with Physiological Disturbances and Physical Factors	2	0.1

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ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
F54	Psychological and Behavioral Factors Associated with Disorders or Diseases Classified Elsewhere	2	0.1
F70-F79	Mental Retardation	6	0.3
F72	Severe Mental Retardation	1	0.1
F79	Unspecified Mental Retardation	5	0.3
F80-F89	Disorders of Psychological Development	1	0.1
F84	Pervasive Developmental Disorders	1	0.1
G00-G99	Diseases of the Nervous System	1,485	82.9
G00-G09	Inflammatory Diseases of the Central Nervous System	9	0.5
G00	Bacterial Meningitis, Not Elsewhere Classified	2	0.1
G03	Meningitis due to Other and Unspecified Causes	2	0.1
G04	Encephalitis, Myelitis and Encephalomyelitis	1	0.1
G06	Intracranial and Intraspinal Abscess and Granuloma	3	0.2
G09	Sequelae of Inflammatory Diseases of Central Nervous System	1	0.1
G10-G14	Systemic Atrophies Primarily Affecting the Central Nervous System	70	3.9
G10	Huntington's Disease	16	0.9
G11	Hereditary Ataxia	3	0.2
G12	Spinal Muscular Atrophy and Related Syndromes	50	2.8
G14	Postpolio Syndrome	1	0.1
G20-G26	Extrapyramidal and Movement Disorders	221	12.3
G20	Parkinson's Disease	209	11.7
G23	Other Degenerative Diseases of Basal Ganglia	10	0.6
G24	Dystonia	1	0.1
G25	Other Extrapyramidal and Movement Disorders	1	0.1
G30-G32	Other Degenerative Diseases of the Nervous System	998	55.7
G30	Alzheimer's Disease	830	46.3
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	168	9.4
G35-G37	Demyelinating Diseases of the Central Nervous System	31	1.7
G35	Multiple Sclerosis	28	1.6
G37	Other Demyelinating	3	0.2
G40-G47	Episodic and Paroxysmal Disorders	23	1.3
G40	Epilepsy	13	0.7
G41	Status Epilepticus	3	0.2
G47	Sleep Disorders	7	0.4
G60-G64	Polyneuropathies and Other Disorders of the Peripheral Nervous System	6	0.3
G60	Hereditary and Idiopathic Neuropathy	1	0.1
G61	Inflammatory Polyneuropathy	3	0.2
G62	Other Polyneuropathies	2	0.1
G70-G73	Diseases of Myoneural Junction and Muscle	35	2.0
G70	Myasthenia Gravis and Other Myoneural Disorders	14	0.8
G71	Primary Disorders of Muscles	17	0.9
G72	Other Myopathies	4	0.2
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	23	1.3
G80	Infantile Cerebral Palsy	17	0.9
G82	Paraplegia and Tetraplegia	4	0.2
G83	Other Paralytic Syndromes	2	0.1
G90-G99	Other Disorders of the Nervous System	69	3.9
G90	Disorders of Autonomic Nervous System	1	0.1
G91	Hydrocephalus	4	0.2
G93	Other Disorders of Brain	58	3.2
G95	Other Diseases of Spinal Cord	3	0.2
G96	Other Disorders of Central Nervous System	2	0.1
G98	Other Disorders of Nervous System, Not Elsewhere Classified	1	0.1
H60-H95	Diseases of the Ear	1	0.1
H60-H62	Diseases of External Ear	1	0.1
H60	Otitis Externa	1	0.1
I00-I99	Diseases of the Circulatory System	6,686	373.1
I00-I09, I11, I13, I20-I51	Diseases of the Heart	5,081	283.5
I05-I09	Chronic Rheumatic Heart Diseases	25	1.4
I05	Rheumatic Mitral Valve Diseases	12	0.7
I07	Rheumatic Tricuspid Valve Diseases	4	0.2

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ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
I08	Multiple Valve Diseases	3	0.2
I09	Other Rheumatic Heart Diseases	6	0.3
I10-I15	Hypertensive Diseases	776	43.3
I10	Essential (Primary) Hypertension	216	12.1
I11	Hypertensive Heart Disease	409	22.8
I12	Hypertensive Renal Disease	93	5.2
I13	Hypertensive Heart and Renal Disease	58	3.2
I20-I25	Ischemic Heart Diseases	3,255	181.6
I20	Angina Pectoris	2	0.1
I21	Acute Myocardial Infarction	828	46.2
I24	Other Acute Ischemic Heart Diseases	26	1.5
I25	Chronic Ischemic Heart Disease	2,399	133.9
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	89	5.0
I26	Pulmonary Embolism	52	2.9
I27	Other Pulmonary Heart Diseases	37	2.1
I30-I52	Other forms of Heart Diseases	1,245	69.5
I30	Acute Pericarditis	1	0.1
I31	Other Diseases of Pericardium	3	0.2
I33	Acute and Subacute Endocarditis	22	1.2
I34	Nonrheumatic Mitral Valve Disorders	16	0.9
I35	Nonrheumatic Aortic Valve Disorders	83	4.6
I38	Endocarditis, Valve Unspecified	45	2.5
I40	Acute Myocarditis	1	0.1
I42	Cardiomyopathy	118	6.6
I44	Atrioventricular and Left Bundle-Branch Block	5	0.3
I45	Other Conduction Disorders	10	0.6
I46	Cardiac Arrest	29	1.6
I47	Paroxysmal Tachycardia	7	0.4
I48	Atrial Fibrillation and Flutter	210	11.7
I49	Other Cardiac Arrhythmias	46	2.6
I50	Heart Failure	531	29.6
I51	Complications and Ill-Defined Descriptions of Heart Disease	118	6.6
I60-I69	Cerebrovascular Diseases	1,028	57.4
I60	Subarachnoid Hemorrhage	27	1.5
I61	Intracerebral Hemorrhage	131	7.3
I62	Other Nontraumatic Intracranial Hemorrhage	54	3.0
I63	Cerebral Infarction	98	5.5
I64	Stroke, Not Specified as Hemorrhage or Infarction	565	31.5
I67	Other Cerebrovascular Diseases	52	2.9
I69	Sequelae of Cerebrovascular Disease	101	5.6
I70-I79	Diseases of Arteries, Arterioles and Capillaries	242	13.5
I70	Atherosclerosis	95	5.3
I71	Aortic Aneurysm and Dissection	71	4.0
I72	Other Aneurysm	5	0.3
I73	Other Peripheral Vascular Diseases	55	3.1
I74	Arterial Embolism and Thrombosis	5	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	25	1.4
I80	Phlebitis and Thrombophlebitis	17	0.9
I82	Other Venous Embolism and Thrombosis	3	0.2
I83	Varicose Veins of Lower Extremities	3	0.2
I85	Esophageal Varices	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	1	0.1
I95	Hypotension	1	0.1
J00-J99	Diseases of the Respiratory System	2,568	143.3
J00-J06	Acute Upper Respiratory Infections	2	0.1
J06	Acute Upper Respiratory Infections of Multiple and Unspecified Sites	2	0.1
J09-J18	Influenza and Pneumonia	397	22.2
J09	Influenza due to Identified Avian Influenza Virus	1	0.1

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ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
J10	Influenza due to Identified Influenza Virus	27	1.5
J11	Influenza, Virus Not Identified	16	0.9
J12	Viral Pneumonia, Not Elsewhere Classified	4	0.2
J13	Pneumonia due to Streptococcus Pneumoniae	2	0.1
J15	Bacterial Pneumonia, Not Elsewhere Classified	22	1.2
J18	Pneumonia, Organism Unspecified	325	18.1
J20-J22	Other Acute Lower Respiratory Infections	3	0.2
J21	Acute Bronchiolitis	2	0.1
J22	Unspecified Acute Lower Respiratory Infection	1	0.1
J30-J39	Other Diseases of Upper Respiratory Tract	7	0.4
J32	Chronic Sinusitis	1	0.1
J38	Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	2	0.1
J39	Other Diseases of Upper Respiratory Tract	4	0.2
J40-J47	Chronic Lower Respiratory Diseases	1,664	92.8
J42	Unspecified Chronic Bronchitis	1	0.1
J43	Emphysema	33	1.8
J44	Other Chronic Obstructive Pulmonary Disease	1,609	89.8
J45	Asthma	13	0.7
J46	Status Asthmaticus	2	0.1
J47	Bronchiectasis	6	0.3
J60-J70	Lung Diseases due to External Agents	187	10.4
J60	Coalworker Pneumoconiosis	26	1.5
J61	Pneumoconiosis due to Asbestos and Other Mineral Fibers	9	0.5
J62	Pneumoconiosis due to Dust Containing Silica	1	0.1
J64	Unspecified Pneumoconiosis	14	0.8
J65	Pneumoconiosis Associated with Tuberculosis	1	0.1
J67	Hypersensitivity Pneumonitis due to Organic Dust	1	0.1
J69	Pneumonitis due to Solids and Liquids	135	7.5
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	184	10.3
J80	Adult Respiratory Distress Syndrome	14	0.8
J81	Pulmonary Edema	7	0.4
J82	Pulmonary Eosinophilia, Not Elsewhere Classified	1	0.1
J84	Other Interstitial Pulmonary Diseases	162	9.0
J85-J86	Suppurative and Necrotic Conditions of Lower Respiratory Tract	10	0.6
J85	Abscess of Lung and Mediastinum	5	0.3
J86	Pyothorax	5	0.3
J90-J94	Other Diseases of Pleura	20	1.1
J90	Pleural Effusion, Not Elsewhere Classified	17	0.9
J93	Pneumothorax	2	0.1
J94	Other Pleural Conditions	1	0.1
J95-J99	Other Diseases of the Respiratory System	94	5.2
J96	Respiratory Failure, Not Elsewhere Classified	65	3.6
J98	Other Respiratory Disorders	29	1.6
K00-K93	Diseases of the Digestive System	1,008	56.2
K00-K14	Diseases of Oral Cavity, Salivary Glands and Jaws	1	0.1
K04	Diseases of Pulp and Periapical Tissues	1	0.1
K20-K31	Diseases of Esophagus, Stomach and Duodenum	54	3.0
K20	Esophagitis	1	0.1
K21	Gastro-esophageal Reflux Disease	7	0.4
K22	Other Diseases of Esophagus	18	1.0
K25	Gastric Ulcer	7	0.4
K26	Duodenal Ulcer	8	0.4
K27	Peptic Ulcer, Site Unspecified	1	0.1
K28	Gastrojejunal Ulcer	2	0.1
K29	Gastritis and Duodenitis	2	0.1
K31	Other Diseases of Stomach and Duodenum	8	0.4
K35-K38	Diseases of Appendix	3	0.2
K35	Acute Appendicitis	3	0.2
K40-K46	Hernia	15	0.8
K40	Inguinal Hernia	2	0.1

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ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
K43	Ventral Hernia	1	0.1
K44	Diaphragmatic Hernia	5	0.3
K46	Unspecified Abdominal Hernia	7	0.4
K50-K52	Noninfective Enteritis and Colitis	10	0.6
K50	Crohn's Disease [Regional Enteritis]	6	0.3
K51	Ulcerative Colitis	3	0.2
K52	Other Noninfective Gastroenteritis and Colitis	1	0.1
K55-K63	Other Diseases of Intestines	195	10.9
K55	Vascular Disorders of Intestine	68	3.8
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	55	3.1
K57	Diverticular Disease of Intestine	27	1.5
K59	Other Functional Intestinal Disorders	3	0.2
K61	Abscess of Anal and Rectal Regions	2	0.1
K62	Other Diseases of Anus and Rectum	4	0.2
K63	Other Diseases of Intestine	36	2.0
K65-K67	Diseases of Peritoneum	15	0.8
K65	Peritonitis	9	0.5
K66	Other Disorders of Peritoneum	6	0.3
K70-K77	Diseases of Liver	544	30.4
K70	Alcoholic Liver Disease	164	9.2
K72	Hepatic Failure, Not Elsewhere Classified	37	2.1
K74	Fibrosis and Cirrhosis of Liver	225	12.6
K75	Other Inflammatory Liver Diseases	3	0.2
K76	Other Diseases of Liver	115	6.4
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	93	5.2
K80	Cholelithiasis	8	0.4
K81	Cholecystitis	29	1.6
K82	Other Diseases of Gallbladder	2	0.1
K83	Other Diseases of Biliary Tract	8	0.4
K85	Acute Pancreatitis	31	1.7
K86	Other Diseases of Pancreas	15	0.8
K90-K93	Other Diseases of the Digestive System	78	4.4
K90	Intestinal Malabsorption	1	0.1
K92	Other Diseases of Digestive System	77	4.3
L00-L99	Diseases of the Skin and Subcutaneous Tissue	43	2.4
L00-L08	Infections of the Skin and Subcutaneous Tissue	30	1.7
L02	Cutaneous Abscess, Furuncle and Carbuncle	1	0.1
L03	Cellulitis	21	1.2
L08	Other Local Infections of Skin and Subcutaneous Tissue	8	0.4
L40-L45	Papulosquamous Disorders	1	0.1
L40	Psoriasis	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	12	0.7
L89	Decubitus Ulcer	7	0.4
L93	Lupus Erythematosus	1	0.1
L98	Other Disorders of Skin and Subcutaneous Tissue, Not Elsewhere Classified	4	0.2
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	106	5.9
M00-M25	Arthropathies	25	1.4
M00-M03	Infectious Arthropathies	5	0.3
M00	Pyogenic Arthritis	5	0.3
M05-M14	Inflammatory Polyarthropathies	14	0.8
M06	Other Rheumatoid Arthritis	14	0.8
M15-M19	Arthrosis	4	0.2
M19	Other Arthrosis	4	0.2
M20-M25	Other Joint Disorders	2	0.1
M25	Other Joint Disorders, Not Elsewhere Classified	2	0.1
M30-M36	Systemic Connective Tissue Disorders	18	1.0
M31	Other Necrotizing Vasculopathies	3	0.2
M32	Systemic Lupus Erythematosus	4	0.2
M33	Dermatopolymyositis	2	0.1
M34	Systemic Sclerosis	6	0.3

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ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
M35	Other Systemic Involvement of Connective Tissue	3	0.2
M40-M54	Dorsopathies	18	1.0
M40-M43	Deforming Dorsopathies	3	0.2
M40	Kyphosis and Lordosis	2	0.1
M41	Scoliosis	1	0.1
M45-M49	Spondylopathies	11	0.6
M46	Other Inflammatory Spondylopathies	6	0.3
M48	Other Spondylopathies	5	0.3
M50-M54	Other Dorsopathies	4	0.2
M50	Cervical Disc Disorders	2	0.1
M51	Other Intervertebral Disc Disorders	2	0.1
M60-M79	Soft Tissue Disorders	20	1.1
M60-M63	Disorders of Muscles	13	0.7
M60	Myositis	4	0.2
M62	Other Disorders of Muscle	9	0.5
M70-M79	Other Soft Tissue Disorders	7	0.4
M72	Fibroblastic Disorders	7	0.4
M80-M94	Osteopathies and Chondropathies	25	1.4
M86-M90	Other Osteopathies	25	1.4
M86	Osteomyelitis	25	1.4
N00-N99	Diseases of the Genitourinary System	614	34.3
N00-N08	Glomerular Diseases	8	0.4
N00	Acute Nephritic Syndrome	7	0.4
N05	Unspecified Nephritic Syndrome	1	0.1
N10-N16	Renal Tubulo-Interstitial Diseases	12	0.7
N10	Acute Tubulo-Interstitial Nephritis	1	0.1
N12	Tubulo-Interstitial Nephritis, Not Specified as Acute or Chronic	7	0.4
N13	Obstructive and Reflux Uropathy	4	0.2
N17-N19	Renal Failure	406	22.7
N17	Acute Renal Failure	81	4.5
N18	Chronic Renal Failure	258	14.4
N19	Unspecified Renal Failure	67	3.7
N20-N23	Urolithiasis	5	0.3
N20	Calculus of Kidney and Ureter	5	0.3
N25-N29	Other Disorders of Kidney and Ureter	54	3.0
N28	Other Disorders of Kidney and Ureter, Not Elsewhere Classified	54	3.0
N30-N39	Other Diseases of the Urinary System	121	6.8
N30	Cystitis	4	0.2
N31	Neuromuscular Dysfunction of Bladder, Not Elsewhere Classified	1	0.1
N32	Other Disorders of Bladder	4	0.2
N35	Urethral Stricture	1	0.1
N36	Other Disorders of Urethra	1	0.1
N39	Other Disorders of Urinary System	110	6.1
N40-N51	Diseases of Male Genital Organs	7	0.4
N40	Hyperplasia of Prostate	4	0.2
N42	Other Disorders of Prostate	1	0.1
N49	Inflammatory Disorders of Male Genital Organs, Not Elsewhere Classified	2	0.1
N60-N64	Disorders of Breast	1	0.1
N63	Unspecified Lump in Breast	1	0.1
O00-O99**	Pregnancy, Childbirth and the Puerperium	9	49.8
O10-O16	Edema, Proteinuria and Hypertensive Disorders in Pregnancy, Childbirth and the Puerperium	1	5.5
O16	Unspecified Maternal Hypertension	1	5.5
O60-O75	Complications of Labor and Delivery	2	11.1
O72	Postpartum Hemorrhage	1	5.5
O75	Other Complications of Labor and Delivery, Not Elsewhere Classified	1	5.5
O85-O92	Complications Predominantly Related to the Puerperium	1	5.5
O88	Obstetric Embolism	1	5.5
O95-O99	Other Obstetric Conditions, Not Elsewhere Classified	5	27.6
O96	Death from Any Obstetric Cause Occurring More Than 42 Days But Less Than One Year After Delivery	4	22.1
O97	Death from Sequelae of Direct Obstetric Causes	1	5.5

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

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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	1	0.1
P01	Fetus and Newborn Affected by Maternal Complications of Pregnancy	7	0.4
P02	Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes	5	0.3
P03	Fetus and Newborn Affected by Other Complications of Labor and Delivery	1	0.1
P04	Fetus and Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	1	0.1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	16	0.9
P05	Slow Fetal Growth and Fetal Malnutrition	1	0.1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	15	0.8
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	10	0.6
P22	Respiratory Distress of Newborn	1	0.1
P24	Neonatal Aspiration Syndromes	1	0.1
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal Period	1	0.1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	1	0.1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	1	0.1
P28	Other Respiratory Conditions Originating in the Perinatal Period	1	0.1
P29	Cardiovascular Disorders Originating in the Perinatal Period	4	0.2
P50-P61	Hemorrhagic and Hematological Disorders 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	1	0.1
P78	Other Perinatal Digestive System Disorders	1	0.1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus and Newborn	1	0.1
P83	Other Conditions of Integument Specific to Fetus and Newborn	1	0.1
P90-P96	Other Disorders Originating in the Perinatal Period	3	0.2
P96	Other Conditions Originating in the Perinatal Period	3	0.2
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	64	3.6
Q00-Q07	Congenital Malformations of the Nervous System	8	0.4
Q00	Anencephaly and Similar Malformations	4	0.2
Q04	Other Congenital Malformations of Brain	3	0.2
Q07	Other Congenital Malformations of Nervous System	1	0.1
Q20-Q28	Congenital Malformations of the Circulatory System	18	1.0
Q21	Congenital Malformations of Cardiac Septa	4	0.2
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	1	0.1
Q23	Congenital Malformations of Aortic and Mitral Valves	3	0.2
Q24	Other Congenital Malformations of the Heart	6	0.3
Q25	Congenital Malformations of Great Arteries	2	0.1
Q27	Other Congenital Malformations of Peripheral Vascular System	2	0.1
Q30-Q34	Congenital Malformations of the Respiratory System	4	0.2
Q33	Congenital Malformations of Lung	4	0.2
Q38-Q45	Other Congenital Malformations of the Digestive System	1	0.1
Q44	Congenital Malformations of Gallbladder, Bile Ducts and Liver	1	0.1
Q60-Q64	Congenital Malformations of the Urinary System	7	0.4
Q60	Renal Agenesis and Other Reduction Defects of Kidney	2	0.1
Q61	Cystic Kidney Disease	4	0.2
Q64	Other Congenital Malformations of Urinary System	1	0.1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	4	0.2
Q75	Other Congenital Malformations of Skull and Face Bones	1	0.1
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	1	0.1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	2	0.1
Q80-Q89	Other Congenital Malformations	6	0.3
Q82	Other Congenital Malformations of Skin	1	0.1
Q85	Phakomatoses, Not Elsewhere Classified	2	0.1
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	2	0.1
Q89	Other Congenital Malformations, Not Elsewhere Classified	1	0.1
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	16	0.9
Q90	Down's Syndrome	9	0.5
Q91	Edwards' Syndrome and Patau's Syndrome	5	0.3
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere Classified	1	0.1

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Table 25 (Cont'd)

ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
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	358	20.0
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	6	0.3
R06	Abnormalities of Breathing	4	0.2
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	2	0.1
R10-R19	Symptoms and Signs Involving the Digestive System and Abdomen	7	0.4
R13	Dysphagia	1	0.1
R19	Other Symptoms and Signs Involving the Digestive System and Abdomen	6	0.3
R25-R29	Symptoms and Signs Involving the Nervous and Musculoskeletal System	2	0.1
R29	Other Symptoms and Signs Involving the Nervous and Musculoskeletal System	2	0.1
R47-R49	Symptoms and Signs Involving Speech and Voice	1	0.1
R47	Speech Disturbances, Not Elsewhere Classified	1	0.1
R50-R69	General Symptoms and Signs	80	4.5
R54	Senility	19	1.1
R56	Convulsions, Not Elsewhere Classified	6	0.3
R57	Shock, Not Elsewhere Classified	10	0.6
R58	Hemorrhage, Not Elsewhere Classified	5	0.3
R62	Lack of Expected Normal Physiological Development	28	1.6
R68	Other General Symptoms and Signs	12	0.7
R90-R94	Abnormal Findings on Diagnostic Imaging and in Function Studies, without Diagnosis	7	0.4
R91	Abnormal Findings on Diagnostic Imaging of Lung	7	0.4
R95-R99	Ill-Defined and Unknown Causes of Mortality	255	14.2
R95	Sudden Infant Death Syndrome	3	0.2
R96	Other Sudden Death, Cause Unknown	1	0.1
R98	Unattended Death	1	0.1
R99	Other Ill-Defined and Unspecified Causes of Mortality	250	13.9
V01-Y98	External Causes of Morbidity and Mortality	2,418	134.9
V01-V99	Transport Accidents	341	19.0
V01-V09	Pedestrian Injured in Transport Accident	44	2.5
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	11	0.6
V04	Pedestrian Injured in Collision with Heavy Transport Vehicle or Bus	2	0.1
V05	Pedestrian Injured in Collision with Railway Train or Railway Vehicle	3	0.2
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	28	1.6
V10-V19	Pedal Cyclist Injured in Transport Accident	5	0.3
V13	Pedal Cyclist Injured in Collision with Car, Pickup Truck or Van	1	0.1
V18	Pedal Cyclist Injured in Noncollision Transport Accident	3	0.2
V19	Pedal Cyclist Injured in Other and Unspecified Transport Accidents	1	0.1
V20-V29	Motorcycle Rider Injured in Transport Accident	26	1.5
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	4	0.2
V27	Motorcycle Rider Injured in Collision with Fixed or Stationary Object	7	0.4
V28	Motorcycle Rider Injured in Noncollision Transport Accident	2	0.1
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	13	0.7
V30-V39	Occupant of Three-Wheeled Motor Vehicle Injured in Transport Accident	1	0.1
V37	Occupant of Three-Wheeled Motor Vehicle Injured in Collision with Fixed or Stationary Object	1	0.1
V40-V49	Car Occupant Injured in Transport Accident	42	2.3
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	18	1.0
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	8	0.4
V48	Car Occupant Injured in Noncollision Transport Accident	5	0.3
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	8	0.4
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	14	0.8
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	4	0.2
V57	Occupant of Pickup or Van Injured in Collision with Fixed or Stationary Object	2	0.1
V58	Occupant of Pickup or Van Injured in Noncollision Transport Accident	4	0.2
V59	Occupant of Pickup or Van Injured in Other and Unspecified Transport Accidents	1	0.1
V60-V69	Occupant of Heavy Transport Vehicle Injured in Transport Accident	5	0.3
V63	Occupant of Heavy Transport Vehicle Injured in Collision with Car, Pickup Truck or Van	1	0.1
V67	Occupant of Heavy Transport Vehicle Injured in Collision with Fixed or Stationary Object	1	0.1
V68	Occupant of Heavy Transport Vehicle Injured in Noncollision Transport Accident	2	0.1

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ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
V69	Occupant of Heavy Transport Vehicle Injured in Other and Unspecified Transport Accidents	1	0.1
V80-V89	Other Land Transport Accidents	201	11.2
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	4	0.2
V86	Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident	36	2.0
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	56	3.1
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	104	5.8
V90-V94	Water Transport Accidents	1	0.1
V90	Accident to Watercraft Causing Drowning and Submersion	1	0.1
V95-V97	Air and Space Transport Accidents	2	0.1
V95	Accident to Powered Aircraft Causing Injury to Occupant	2	0.1
W00-X59	Other External Causes of Accidental Injury	1,511	84.3
W00-W19	Falls	454	25.3
W01	Fall on Same Level from Slipping, Tripping and Stumbling	19	1.1
W05	Fall Involving Wheelchair	11	0.6
W06	Fall Involving Bed	38	2.1
W07	Fall Involving Chair	9	0.5
W10	Fall on and from Stairs and Steps	34	1.9
W11	Fall on and from Ladder	1	0.1
W13	Fall from, out of or through Building or Structure	4	0.2
W15	Fall from Cliff	1	0.1
W16	Diving or Jumping into Water Causing Injury Other Than Drowning or Submersion	1	0.1
W17	Other Fall from One Level to Another	5	0.3
W18	Other Fall on Same Level	304	17.0
W19	Unspecified Fall	27	1.5
W20-W49	Exposure to Inanimate Mechanical Forces	38	2.1
W20	Struck by Thrown, Projected or Falling Object	13	0.7
W22	Striking against or Struck by Other Objects	3	0.2
W23	Caught, Crushed, Jammed or Pinched in or between Objects	2	0.1
W24	Contact with Lifting and Transmission Devices, Not Elsewhere Classified	2	0.1
W28	Contact with Powered Lawnmower	4	0.2
W30	Contact with Agricultural Machinery	2	0.1
W31	Contact with Other and Unspecified Machinery	4	0.2
W33	Rifle, Shotgun and Larger Firearm Discharge	1	0.1
W34	Discharge from Other and Unspecified Firearms	7	0.4
W50-W64	Exposure to Animate Mechanical forces	2	0.1
W55	Bitten or Struck by Other Mammals	1	0.1
W64	Exposure to Other and Unspecified Animate Mechanical forces	1	0.1
W65-W74	Accidental Drowning and Submersion	26	1.5
W65	Drowning and Submersion while in Bath-Tub	5	0.3
W66	Drowning and Submersion Following Fall in Bath-Tub	1	0.1
W67	Drowning and Submersion while in Swimming Pool	1	0.1
W68	Drowning and Submersion Following Fall in Swimming Pool	1	0.1
W69	Drowning and Submersion while in Natural Water	17	0.9
W74	Unspecified Drowning and Submersion	1	0.1
W75-W84	Other Accidental Threats to Breathing	54	3.0
W75	Accidental Suffocation and Strangulation in Bed	3	0.2
W76	Other Accidental Hanging and Strangulation	3	0.2
W78	Inhalation of Gastric Contents	2	0.1
W79	Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	21	1.2
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	23	1.3
W83	Other Specified Threats to Breathing	1	0.1
W84	Unspecified Threat to Breathing	1	0.1
W85-W99	Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure	3	0.2
W85	Exposure to Electric Transmission Lines	1	0.1
W86	Exposure to Other Specified Electric Current	2	0.1
X00-X09	Exposure to Smoke, Fire and Flames	23	1.3
X00	Exposure to Uncontrolled Fire in Building or Structure	19	1.1
X06	Exposure to Ignition or Melting of Other Clothing and Apparel	2	0.1
X09	Exposure to Unspecified Smoke, Fire and Flames	2	0.1

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Table 25 (Cont'd)

ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
X10-X19	Contact with Heat and Hot Substances	1	0.1
X15	Contact with Hot Household Appliances	1	0.1
X20-X29	Contact with Venomous Animals and Plants	2	0.1
X23	Contact with Hornets, Wasps and Bees	2	0.1
X30-X39	Exposure to Forces of Nature	7	0.4
X30	Exposure to Excessive Natural Heat	2	0.1
X31	Exposure to Excessive Natural Cold	4	0.2
X36	Victim of Avalanche, Landslide and Other Earth Movements	1	0.1
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	868	48.4
X40	Accidental Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	3	0.2
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	138	7.7
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	297	16.6
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	410	22.9
X45	Accidental Poisoning by Alcohol	11	0.6
X47	Accidental Poisoning by Other Gases and Vapors	9	0.5
X58-X59	Accidental Exposure to Other and Unspecified Factors	33	1.8
X58	Exposure to Other Specified Factors	1	0.1
X59	Exposure to Unspecified Factors	32	1.8
X60-X84	Intentional Self-Harm	333	18.6
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	5	0.3
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	19	1.1
X65	Intentional Self-Poisoning by Alcohol	1	0.1
X67	Intentional Self-Poisoning by Other Gases and Vapors	5	0.3
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	84	4.7
X71	Intentional Self-Harm by Drowning and Submersion	1	0.1
X72	Intentional Self-Harm by Handgun Discharge	52	2.9
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	34	1.9
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	113	6.3
X76	Intentional Self-Harm by Smoke, Fire and Flames	1	0.1
X78	Intentional Self-Harm by Sharp Object	5	0.3
X80	Intentional Self-Harm by Jumping from a High Place	5	0.3
X81	Intentional Self-Harm by Jumping or Lying Before a Moving Object	3	0.2
X83	Intentional Self-Harm by Other Specific Means	1	0.1
X85-Y09	Assault	96	5.4
X85	Assault by Drugs, Medicaments and Biological Substances	1	0.1
X91	Assault by Hanging, Strangulation and Suffocation	1	0.1
X93	Assault by Handgun Discharge	18	1.0
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	13	0.7
X95	Assault by Other and Unspecified Firearm Discharge	47	2.6
X97	Assault by Smoke, Fire and Flames	2	0.1
X99	Assault by Sharp Object	6	0.3
Y08	Assault by Other Specified Means	2	0.1
Y09	Assault by Unspecified Means	6	0.3
Y10-Y34	Event of Undetermined Intent	57	3.2
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined Intent	3	0.2
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent	9	0.5
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	4	0.2
Y17	Poisoning by Other Gases and Vapors, Undetermined Intent	3	0.2
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	1	0.1
Y21	Drowning and Submersion, Undetermined Intent	4	0.2
Y22	Handgun Discharge, Undetermined Intent	2	0.1
Y24	Other and Unspecified Firearm Discharge, Undetermined Intent	8	0.4
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	11	0.6
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	3	0.2
Y34	Unspecified Event, Undetermined Intent	7	0.4
Y35-Y36	Legal Intervention and Operations of War	8	0.4

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Table 25 (Cont'd)

ICD-10 Code Number	Cause of Death	Number of Deaths	Rate
Y35	Legal Intervention	8	0.4
Y40-Y84	Complications of Medical and Surgical Care	48	2.7
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	3	0.2
Y44	Agents Primarily Affecting Blood Constituents	1	0.1
Y57	Other and Unspecified Drugs and Medicaments	2	0.1
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	45	2.5
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	35	2.0
Y84	Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	10	0.6
Y85-Y89	Sequelae of External Causes of Morbidity and Mortality	24	1.3
Y85	Sequelae of Transport Accidents	15	0.8
Y86	Sequelae of Other Accidents	9	0.5

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Selected Causes of Resident Deaths: Number by Race
West Virginia, 2019
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	78	5	0	1	1	1	86
Total Deaths, All Causes	22,513	680	13	56	26	3	23,291
--Deaths Under One Year	96	13	0	0	3	0	112
--Deaths Under 28 Days	63	10	0	0	1	0	74
Tuberculosis	3	0	0	0	0	0	3
Septicemia	332	17	0	1	0	0	350
Human Immunodeficiency Virus Infection	11	5	0	0	0	0	16
Malignant Neoplasms	4,443	136	0	9	8	1	4,597
--of Digestive Organs	1,124	34	0	2	1	0	1,161
----Colon	328	8	0	0	0	0	336
----Pancreas	301	12	0	2	0	0	315
--of Respiratory and Intrathoracic Organs	1,315	39	0	0	3	0	1,357
----Trachea, Bronchus and Lung	1,271	37	0	0	3	0	1,311
--of Breast	269	16	0	0	0	0	285
--of Genitourinary Organs	635	22	0	4	1	0	662
----Cervix Uteri	38	1	0	0	0	0	39
----Ovary	88	2	0	0	0	0	90
----Prostate	185	10	0	2	0	0	197
----Bladder	114	4	0	2	1	0	121
--All Other (Malignant Neoplasms)	1,100	25	0	3	3	1	1,132
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	119	4	0	0	1	0	124
Diabetes Mellitus	900	49	1	2	0	0	952
Dementia	903	24	1	1	2	0	931
Alzheimer's Disease	814	15	0	0	0	1	830
Major Cardiovascular Disease	6,467	168	2	26	2	0	6,665
--Diseases of the Heart	4,954	112	1	17	1	0	5,085
----Ischemic Heart Disease	3,173	70	1	12	1	0	3,257
--Essential Hypertension and Hypertensive Renal Disease	296	12	0	1	0	0	309
--Cerebrovascular Diseases (Stroke)	985	35	1	7	1	0	1,029
--Arteriosclerosis	94	1	0	0	0	0	95
--Other Diseases of Arteries, Arterioles and Capillaries	138	8	0	1	0	0	147
Influenza and Pneumonia	389	6	1	1	0	0	397
--Influenza	44	0	0	0	0	0	44
--Pneumonia	345	6	1	1	0	0	353
Chronic Lower Respiratory Diseases	1,638	24	0	2	0	0	1,664
--Bronchitis, Emphysema and Asthma	47	2	0	0	0	0	49
Lung Diseases due to External Agents	181	5	1	0	0	0	187
--Coal Worker's Pneumoconiosis	25	1	0	0	0	0	26
Chronic Liver Disease and Cirrhosis	377	11	0	1	0	0	389
Nephritis, Nephrotic Syndrome and Nephrosis	398	16	0	0	0	0	414
Congenital Malformations	62	2	0	0	0	0	64
Ill-Defined and Unknown Causes of Death	245	9	0	0	1	0	255
Accidents, All Forms	1,794	73	0	3	6	0	1,876
--Motor Vehicle	317	12	0	0	1	0	330
--Falls	450	3	0	1	0	0	454
--Drownings	25	1	0	0	0	0	26
--Smoke, Fire and Flames	20	1	0	0	2	0	23
--Poisonings	810	53	0	2	3	0	868
--Other Accidents	172	3	0	0	0	0	175
Intentional Self-Harm (Suicide)	326	3	1	0	3	0	333
Assault (Homicide)	80	13	0	1	2	0	96
Injury Undetermined Whether Accidental or Purposely Inflicted	52	5	0	0	0	0	57
All Other Causes (Residual)	2,979	95	6	9	1	1	3,091

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Selected Causes of Male Resident Deaths: Number by Race
West Virginia, 2019
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	30	0	0	0	1	0	31
Total Deaths, All Causes	11,676	376	9	24	20	2	12,107
--Deaths Under One Year	59	6	0	0	2	0	67
--Deaths Under 28 Days	36	6	0	0	1	0	43
Tuberculosis	3	0	0	0	0	0	3
Septicemia	148	8	0	0	0	0	156
Human Immunodeficiency Virus Infection	8	4	0	0	0	0	12
Malignant Neoplasms	2,454	75	0	6	8	1	2,544
--of Digestive Organs	690	22	0	1	1	0	714
----Colon	193	5	0	0	0	0	198
----Pancreas	156	7	0	1	0	0	164
--of Respiratory and Intrathoracic Organs	753	24	0	0	3	0	780
----Trachea, Bronchus and Lung	717	22	0	0	3	0	742
--of Breast	3	0	0	0	0	0	3
--of Genitourinary Organs	357	15	0	3	1	0	376
----Cervix Uteri	0	0	0	0	0	0	0
----Ovary	0	0	0	0	0	0	0
----Prostate	185	10	0	2	0	0	197
----Bladder	85	3	0	1	1	0	90
--All Other (Malignant Neoplasms)	651	14	0	2	3	1	671
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	74	3	0	0	0	0	77
Diabetes Mellitus	517	31	0	1	0	0	549
Dementia	290	10	1	1	0	0	302
Alzheimer's Disease	225	2	0	0	0	0	227
Major Cardiovascular Disease	3,329	90	2	10	1	0	3,432
--Diseases of the Heart	2,639	69	1	8	0	0	2,717
----Ischemic Heart Disease	1,749	41	1	6	0	0	1,797
--Essential Hypertension and Hypertensive Renal Disease	152	6	0	1	0	0	159
--Cerebrovascular Diseases (Stroke)	415	11	1	1	1	0	429
--Arteriosclerosis	45	0	0	0	0	0	45
--Other Diseases of Arteries, Arterioles and Capillaries	78	4	0	0	0	0	82
Influenza and Pneumonia	192	4	0	0	0	0	196
--Influenza	16	0	0	0	0	0	16
--Pneumonia	176	4	0	0	0	0	180
Chronic Lower Respiratory Diseases	775	5	0	1	0	0	781
--Bronchitis, Emphysema and Asthma	23	0	0	0	0	0	23
Lung Diseases due to External Agents	130	5	1	0	0	0	136
--Coal Worker's Pneumoconiosis	25	1	0	0	0	0	26
Chronic Liver Disease and Cirrhosis	245	6	0	0	0	0	251
Nephritis, Nephrotic Syndrome and Nephrosis	205	10	0	0	0	0	215
Congenital Malformations	39	1	0	0	0	0	40
Ill-Defined and Unknown Causes of Death	128	3	0	0	1	0	132
Accidents, All Forms	1,097	60	0	0	5	0	1,162
--Motor Vehicle	215	10	0	0	1	0	226
--Falls	207	0	0	0	0	0	207
--Drownings	18	1	0	0	0	0	19
--Smoke, Fire and Flames	10	0	0	0	1	0	11
--Poisonings	530	46	0	0	3	0	579
--Other Accidents	117	3	0	0	0	0	120
Intentional Self-Harm (Suicide)	254	2	1	0	3	0	260
Assault (Homicide)	59	9	0	0	1	0	69
Injury Undetermined Whether Accidental or Purposely Inflicted	31	4	0	0	0	0	35
All Other Causes (Residual)	1,473	44	4	5	1	1	1,528

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Selected Causes of Female Resident Deaths: Number by Race
West Virginia, 2019
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	48	5	0	1	0	1	55
Total Deaths, All Causes	10,837	304	4	32	6	1	11,184
--Deaths Under One Year	37	7	0	0	1	0	45
--Deaths Under 28 Days	27	4	0	0	0	0	31
Tuberculosis	0	0	0	0	0	0	0
Septicemia	184	9	0	1	0	0	194
Human Immunodeficiency Virus Infection	3	1	0	0	0	0	4
Malignant Neoplasms	1,989	61	0	3	0	0	2,053
--Of Digestive Organs	434	12	0	1	0	0	447
----Colon	135	3	0	0	0	0	138
----Pancreas	145	5	0	1	0	0	151
--Of Respiratory and Intrathoracic Organs	562	15	0	0	0	0	577
----Trachea, Bronchus and Lung	554	15	0	0	0	0	569
--Of Breast	266	16	0	0	0	0	282
--Of Genitourinary Organs	278	7	0	1	0	0	286
----Cervix Uteri	38	1	0	0	0	0	39
----Ovary	88	2	0	0	0	0	90
----Prostate	0	0	0	0	0	0	0
----Bladder	29	1	0	1	0	0	31
--All Other (Malignant Neoplasms)	449	11	0	1	0	0	461
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	45	1	0	0	1	0	47
Diabetes Mellitus	383	18	1	1	0	0	403
Dementia	613	14	0	0	2	0	629
Alzheimer's Disease	589	13	0	0	0	1	603
Major Cardiovascular Disease	3,138	78	0	16	1	0	3,233
--Diseases of the Heart	2,315	43	0	9	1	0	2,368
----Ischemic Heart Disease	1,424	29	0	6	1	0	1,460
--Essential Hypertension and Hypertensive Renal Disease	144	6	0	0	0	0	150
--Cerebrovascular Diseases (Stroke)	570	24	0	6	0	0	600
--Arteriosclerosis	49	1	0	0	0	0	50
--Other Diseases of Arteries, Arterioles and Capillaries	60	4	0	1	0	0	65
Influenza and Pneumonia	197	2	1	1	0	0	201
--Influenza	28	0	0	0	0	0	28
--Pneumonia	169	2	1	1	0	0	173
Chronic Lower Respiratory Diseases	863	19	0	1	0	0	883
--Bronchitis, Emphysema and Asthma	24	2	0	0	0	0	26
Lung Diseases due to External Agents	51	0	0	0	0	0	51
--Coal Worker's Pneumoconiosis	0	0	0	0	0	0	0
Chronic Liver Disease and Cirrhosis	132	5	0	1	0	0	138
Nephritis, Nephrotic Syndrome and Nephrosis	193	6	0	0	0	0	199
Congenital Malformations	23	1	0	0	0	0	24
Ill-Defined and Unknown Causes of Death	117	6	0	0	0	0	123
Accidents, All Forms	697	13	0	3	1	0	714
--Motor Vehicle	102	2	0	0	0	0	104
--Falls	243	3	0	1	0	0	247
--Drownings	7	0	0	0	0	0	7
--Smoke, Fire and Flames	10	1	0	0	1	0	12
--Poisonings	280	7	0	2	0	0	289
--Other Accidents	55	0	0	0	0	0	55
Intentional Self-Harm (Suicide)	72	1	0	0	0	0	73
Assault (Homicide)	21	4	0	1	1	0	27
Injury Undetermined Whether Accidental or Purposely Inflicted	21	1	0	0	0	0	22
All Other Causes (Residual)	1,506	51	2	4	0	0	1,563

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Selected Causes of Resident Deaths by Age Group
West Virginia, 2019
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	23,291	112	48	203	518	811	1,434	3,328	4,985	5,903	5,949	72.1
--Deaths Under One Year	112	112	0	0	0	0	0	0	0	0	0	0.1
--Deaths Under 28 Days	74	74	0	0	0	0	0	0	0	0	0	0.0
Tuberculosis	3	0	0	0	0	0	1	1	0	1	0	63.7
Septicemia	350	0	0	1	5	13	20	57	91	95	68	72.0
Human Immunodeficiency Virus Infection	16	0	0	0	0	4	2	5	4	1	0	57.2
Malignant Neoplasms	4,597	1	1	3	18	79	313	942	1,393	1,264	583	70.8
--of Digestive Organs	1,161	1	0	1	0	17	90	251	361	310	130	70.4
----Colon	336	0	0	0	0	3	29	80	92	84	48	70.7
----Pancreas	315	0	0	0	0	4	28	57	102	96	28	70.5
--of Respiratory and Intrathoracic Organs	1,357	0	0	0	1	15	77	337	450	383	94	69.8
----Trachea, Bronchus and Lung	1,311	0	0	0	1	15	74	320	438	374	89	69.8
--of Breast	285	0	0	0	3	8	34	63	74	60	43	69.1
--of Genitourinary Organs	662	0	0	0	7	12	35	100	193	180	135	73.1
----Cervix Uteri	39	0	0	0	4	5	10	7	9	4	0	55.4
----Ovary	90	0	0	0	2	1	6	20	26	25	10	70.3
----Prostate	197	0	0	0	0	0	3	16	60	64	54	77.6
----Bladder	121	0	0	0	0	1	3	16	35	32	34	76.3
--All Other (Malignant Neoplasms)	1,132	0	1	2	7	27	77	191	315	331	181	71.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	124	1	0	0	0	3	2	13	28	47	30	75.2
Diabetes Mellitus	952	0	0	2	9	17	60	180	288	220	176	71.5
Dementia	931	0	0	0	0	0	0	9	74	267	581	86.2
Alzheimer's Disease	830	0	0	0	0	0	0	7	49	255	519	86.3
Major Cardiovascular Disease	6,665	0	3	12	31	121	324	813	1,352	1,751	2,258	76.5
--Diseases of the Heart	5,085	0	0	10	22	90	263	639	1,045	1,320	1,696	76.3
----Ischemic Heart Disease	3,257	0	0	0	3	40	175	422	721	861	1,035	76.3
--Essential Hypertension and Hypertensive Renal Disease	309	0	0	0	1	8	17	48	62	67	106	75.6
--Cerebrovascular Diseases (Stroke)	1,029	0	3	1	5	16	39	103	196	299	367	77.6
--Arteriosclerosis	95	0	0	0	0	0	1	6	11	30	47	82.9
--Other Diseases of Arteries, Arterioles and Capillaries	147	0	0	1	3	7	4	17	38	35	42	73.8
Influenza and Pneumonia	397	2	1	2	2	7	25	36	66	127	129	76.1
--Influenza	44	0	1	1	0	2	5	7	6	12	10	69.3
--Pneumonia	353	2	0	1	2	5	20	29	60	115	119	76.9
Chronic Lower Respiratory Diseases	1,664	0	0	0	1	5	51	270	475	503	359	72.6
--Bronchitis, Emphysema and Asthma	49	0	0	0	1	1	2	6	12	18	9	73.5
Lung Diseases due to External Agents	187	0	0	1	1	3	1	24	34	55	68	77.7
--Coal Workers Pneumoconiosis	26	0	0	0	0	0	0	4	10	6	6	75.6
Chronic Liver Disease and Cirrhosis	389	0	0	0	6	27	76	109	96	61	14	62.4
Nephritis, Nephrotic Syndrome and Nephrosis	414	1	0	1	1	6	20	47	101	136	101	75.4
Congenital Malformations	64	24	6	2	1	3	7	8	6	2	5	32.3
Ill-Defined and Unknown Causes of Death	255	21	4	0	1	4	9	31	43	57	85	70.0
Accidents, All Forms	1,876	4	14	99	279	313	281	241	174	218	253	55.1
--Motor Vehicle	330	0	6	43	50	42	47	53	35	38	16	49.6
--Falls	454	0	1	1	6	1	7	26	67	131	214	80.8
--Drownings	26	1	3	3	5	4	1	1	3	5	0	41.7
--Smoke, Fire and Flames	23	0	2	0	2	3	2	3	4	7	0	58.3
--Poisonings	868	0	0	47	210	247	201	125	31	7	0	42.6
--Other Accidents	175	3	2	5	6	16	23	33	34	30	23	62.4
Intentional Self-Harm (Suicide)	333	0	4	39	60	75	45	46	34	21	9	46.3
Assault (Homicide)	96	0	0	16	26	23	20	9	2	0	0	37.8
Injury Undetermined Whether Accidental or Purposely Inflicted	57	6	5	7	11	5	6	11	2	4	0	36.5
All Other Causes (Residual)	3,091	52	10	18	66	103	171	469	673	818	711	71.0

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Selected Causes of Resident Deaths by Month of Occurrence
West Virginia, 2019
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	12	8	5	12	12	7	7	4	3	5	3	8	86
Total Deaths, All Causes	2,184	1,837	2,021	1,981	1,977	1,877	1,818	1,801	1,849	2,016	1,876	2,054	23,291
--Deaths Under One Year	10	8	9	11	12	5	3	13	12	11	6	12	112
--Deaths Under 28 Days	6	6	6	8	8	4	2	10	9	4	2	9	74
Tuberculosis	0	0	1	0	1	1	0	0	0	0	0	0	3
Septicemia	35	27	29	19	28	35	33	23	31	33	29	28	350
Human Immunodeficiency Virus Infection	0	0	2	4	1	2	0	0	2	3	2	0	16
Malignant Neoplasms	426	346	373	380	397	398	354	400	391	385	370	377	4,597
--of Digestive Organs	111	69	100	112	94	102	87	102	101	100	81	102	1,161
----Colon	31	20	21	34	37	37	21	30	29	26	17	33	336
----Pancreas	31	25	30	29	17	23	21	31	23	33	23	29	315
--of Respiratory and Intrathoracic Organs	113	101	106	111	133	118	95	110	121	117	119	113	1,357
----Trachea, Bronchus and Lung	107	99	102	107	129	112	91	108	118	114	116	108	1,311
--of Breast	32	17	20	21	22	28	22	30	19	35	22	17	285
--of Genitourinary Organs	54	62	56	55	55	47	49	56	50	57	60	61	662
----Cervix Uteri	5	1	3	3	6	4	2	1	6	3	3	2	39
----Ovary	13	10	4	5	10	8	5	11	3	8	7	6	90
----Prostate	9	20	19	22	17	18	11	17	12	16	16	20	197
----Bladder	13	7	9	11	8	8	11	11	8	9	10	16	121
--All Other (Malignant Neoplasms)	116	97	91	81	93	103	101	102	100	76	88	84	1,132
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	15	12	8	10	9	2	10	11	8	14	18	7	124
Diabetes Mellitus	103	80	76	99	70	92	64	64	68	80	72	84	952
Dementia	94	75	70	66	78	88	74	67	72	81	74	92	931
Alzheimer's Disease	78	64	77	55	63	61	73	63	55	87	74	80	830
Major Cardiovascular Disease	629	561	594	598	580	553	506	475	485	561	526	597	6,665
--Diseases of the Heart	478	424	479	456	434	415	384	372	370	425	397	451	5,085
----Ischemic Heart Disease	317	286	302	282	282	258	261	231	245	263	239	291	3,257
--Essential Hypertension and Hypertensive Renal Disease	34	26	16	35	23	25	22	25	24	21	24	34	309
--Cerebrovascular Diseases (Stroke)	92	89	79	90	93	93	82	72	70	86	87	96	1,029
--Arteriosclerosis	9	8	11	4	10	9	9	4	9	11	6	5	95
--Other Diseases of Arteries, Arterioles and Capillaries	16	14	9	13	20	11	9	2	12	18	12	11	147
Influenza and Pneumonia	51	42	57	38	29	24	28	19	24	25	31	29	397
--Influenza	7	9	15	9	0	0	0	1	1	0	1	1	44
--Pneumonia	44	33	42	29	29	24	28	18	23	25	30	28	353
Chronic Lower Respiratory Diseases	155	142	167	159	148	116	113	116	116	142	122	168	1,664
--Bronchitis, Emphysema and Asthma	6	6	1	3	5	3	3	4	5	3	4	6	49
Lung Diseases due to External Agents	13	19	17	14	15	12	20	11	24	16	8	18	187
--Coal Worker's Pneumoconiosis	2	2	1	1	2	3	5	1	2	2	1	4	26
Chronic Liver Disease and Cirrhosis	36	20	30	35	34	37	29	40	36	23	34	35	389
Nephritis, Nephrotic Syndrome and Nephrosis	41	28	41	30	36	28	36	31	33	49	31	30	414
Congenital Malformations	6	4	10	3	5	7	1	5	5	8	7	3	64
Ill-Defined and Unknown Causes of Death	27	23	20	19	18	14	19	25	28	26	19	17	255
Accidents, All Forms	157	110	164	144	151	140	182	163	153	173	160	179	1,876
--Motor Vehicle	24	14	32	20	33	27	26	34	36	35	24	25	330
--Falls	45	31	34	41	38	35	41	27	36	43	35	48	454
--Drownings	1	1	3	1	4	3	6	2	1	1	2	1	26
--Smoke, Fire and Flames	3	3	3	0	3	1	1	3	1	1	2	2	23
--Poisonings	62	50	73	74	61	66	88	81	63	80	85	85	868
--Other Accidents	22	11	19	8	12	8	20	16	16	13	12	18	175
Intentional Self-Harm (Suicide)	29	25	22	32	32	23	27	32	38	27	23	23	333
Assault (Homicide)	6	8	6	11	9	7	9	9	10	7	10	4	96
Injury Undetermined Whether Accidental or Purposely Inflicted	6	4	4	5	7	7	3	4	4	4	5	4	57
All Other Causes (Residual)	277	247	253	260	266	230	237	243	266	272	261	279	3,091

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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 16 from 128 in 2018 to 112 in 2019. West Virginia's infant mortality rate also decreased (11.4%) from 7.0 per 1,000 live births in 2018 to 6.2 in 2019. The U.S. infant mortality rate was 5.6 in 2019.

The following table shows the decline in the national and state infant mortality rates from 1950 through 2019.

1950 – 2019 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
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
2019	6.2	5.6

The state's 2019 white infant mortality rate decreased from 6.6 in 2018 to 5.7 in 2019, and the rate for black infants increased from 12.4 to 20.3. West Virginia's 2019 race-specific infant mortality rates and comparable U.S. rates are shown in the table on the following page.

**2019 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	112	6.2	20,921	5.6
White	96	5.7	12,586	4.5
Black	13	20.3	6,413	10.1
Other	3	4.3	1,922	6.5

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

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Approximately one out of five (18.8%) infant deaths in 2019 was due to SUIDS (sudden unexplained infant death syndrome). Over one in five (21.4%) was the result of congenital malformations, while 42.0% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (13.4%).

Neonatal/Postneonatal Deaths

The number of neonatal deaths dropped by four, from 78 in 2018 to 74 in 2019; the neonatal death rate also decreased from 4.3 deaths per 1,000 live births among infants aged less than 28 days in 2018 to 4.1 in 2019. Neonatal deaths comprised 66.1% of all West Virginia resident infant deaths in 2019, compared with 60.9% in 2018. The rate of postneonatal deaths declined from 2.8 deaths per 1,000 neonatal survivors in 2018 to 2.1 in 2019. The 2019 U.S. neonatal death rate was 3.7, 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 86 resident fetal deaths reported with a birthweight of at least 350 grams or occurring after 20 or more weeks of gestation (if the weight is unknown) in 2019 were 17 less than in 2018 (103). The fetal death ratio dropped from 5.6 deaths per 1,000 live births in 2018 to 4.8 in 2019. The majority (87.2%) of fetal deaths were due to conditions originating in the perinatal period,

including maternal conditions (0.5%), maternal complications (33.7%), short gestation and low birthweight (25.6%), and other ill-defined perinatal conditions (24.4%). There were two fetal deaths due to congenital malformations in 2019, 2.3% of the total.

Fetal Deaths, Neonatal Deaths and Postneonatal Deaths: Number and Rate/Ratio
West Virginia Resident Deaths, 1925-2019

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
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	4.3	50	2.7	2.8
2019	86	4.8	74	4.1	38	2.1	2.1

*Neonatal Survivors are live births minus neonatal deaths

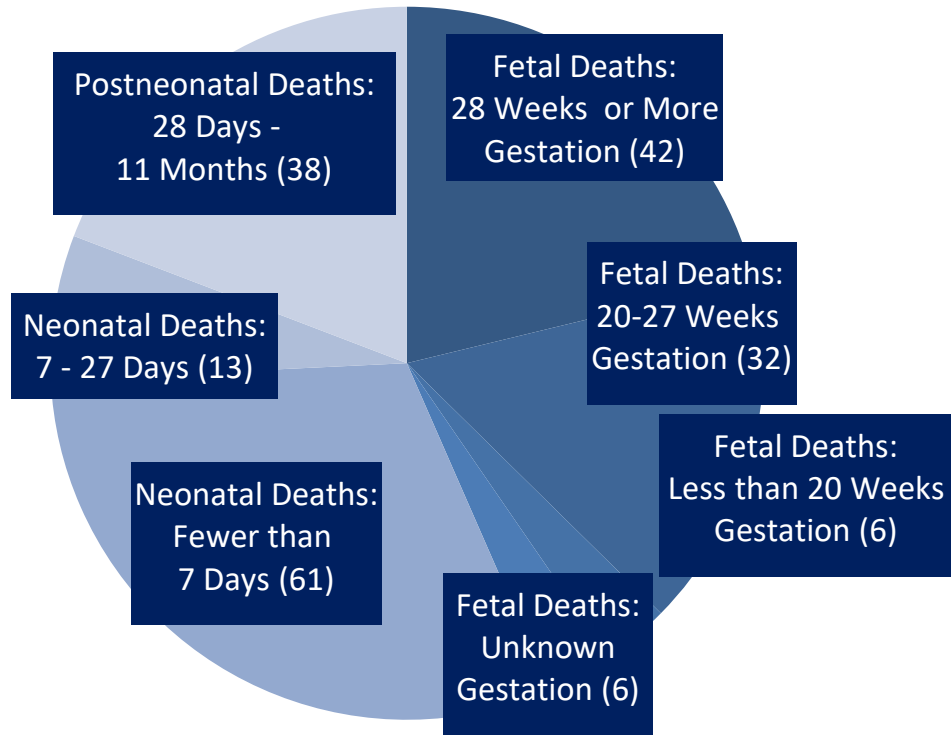
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Fetal Deaths, Neonatal Deaths, and Postneonatal Deaths

West Virginia Resident Perinatal Deaths, 2019

Exhibit 14



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Causes of Resident Infant Deaths by Age
West Virginia, 2019
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	50	11	13	38	112
A00-B99	Certain Infectious and Parasitic Diseases	0	0	0	3	3
A00-A09	Intestinal Infectious Diseases	0	0	0	3	3
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	0	0	0	3	3
C00-D48	Neoplasms	0	0	0	2	2
C00-C97	Malignant Neoplasms	0	0	0	1	1
C15-C26	Malignant Neoplasms of Digestive Organs	0	0	0	1	1
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	0	0	0	1	1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	0	0	0	1	1
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	0	0	0	1	1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1	0	0	0	1
E70-E90	Metabolic Disorders	1	0	0	0	1
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	1	0	0	0	1
J00-J99	Diseases of the Respiratory System	0	0	0	3	3
J09-J18	Influenza and Pneumonia	0	0	0	2	2
J18	Pneumonia, Organism Unspecified	0	0	0	2	2
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	1	0	1
N17-N19	Renal Failure	0	0	1	0	1
N19	Unspecified Renal Failure	0	0	1	0	1
P00-P96	Certain Conditions Originating in the Perinatal Period	36	6	4	1	47
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	15	0	0	0	15
P00	Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	1	0	0	0	1
P00.5	Maternal Injury	1	0	0	0	1
P01	Newborn Affected by Maternal Complications of Pregnancy	7	0	0	0	7
P01.0	Incompetent Cervix	2	0	0	0	2
P01.1	Premature Rupture of Membranes	5	0	0	0	5
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	5	0	0	0	5
P02.4	Prolapsed Cord	1	0	0	0	1
P02.7	Chorioamnionitis	4	0	0	0	4
P03	Newborn Affected by Other Complications of Labor and Delivery	1	0	0	0	1
P04	Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	1	0	0	0	1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	14	1	0	1	16
P05	Slow Fetal Growth and Fetal Malnutrition	1	0	0	0	1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	13	1	0	1	15
P07.2	Extreme Immaturity	9	0	0	0	9
P07.3	Other Preterm Infants	4	1	0	1	6
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	4	3	3	0	10
P22	Respiratory Distress of Newborn	0	1	0	0	1
P22.0	Respiratory Distress Syndrome	0	1	0	0	1
P24	Neonatal Aspiration Syndromes	0	1	0	0	1
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal Period	0	0	1	0	1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	0	1	0	0	1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	0	0	1	0	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	1	0	0	0	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	3	0	1	0	4
P29.0	Neonatal Cardiac Failure	1	0	0	0	1
P29.1	Neonatal Cardiac Dysrhythmia	2	0	0	0	2
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	0	0	1	0	1
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	1	0	0	0	1
P61	Other Perinatal Hematological Disorders	1	0	0	0	1
P75-P78	Digestive System Disorders of Newborn	0	1	1	0	2
P77	Necrotizing Enterocolitis of Newborn	0	0	1	0	1
P78	Other Perinatal Digestive System Disorders	0	1	0	0	1
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
P90-P96	Other Disorders Originating in the Perinatal Period	1	1	0	0	2
P96	Other Conditions Originating in the Perinatal Period	1	1	0	0	2

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Causes of Resident Infant Deaths by Age
West Virginia, 2019
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
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	12	5	3	4	24
Q00-Q07	Congenital Malformations of the Nervous System	4	0	0	0	4
Q00	Anencephaly and Similar Malformations	4	0	0	0	4
Q20-Q28	Congenital Malformations of the Circulatory System	2	3	1	1	7
Q21	Congenital Malformations of Cardiac Septa	0	1	0	0	1
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	1	0	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	1	0	0	0	1
Q24	Other Congenital Malformations of the Heart	0	1	1	1	3
Q25	Congenital Malformations of Great Arteries	1	0	0	0	1
Q30-Q34	Congenital Malformations of the Respiratory System	3	1	0	0	4
Q33	Congenital Malformations of Lung	3	1	0	0	4
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
Q64	Other Congenital Malformations of Urinary System	1	0	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	1	0	0	1	2
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	1	0	0	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	0	0	1	1
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	1	2	2	5
Q91	Edwards' Syndrome and Patau's Syndrome	0	1	2	2	5
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	1	0	4	16	21
R95-R99	Ill-Defined and Unknown Causes of Mortality	1	0	4	16	21
R95	Sudden Infant Death Syndrome	0	0	0	3	3
R98	Unattended Death	0	0	0	1	1
R99	Other Ill-Defined and Unspecified Causes of Mortality	1	0	4	12	17
V01-Y98	External Causes of Morbidity and Mortality	0	0	1	9	10
W00-X59	Other External Causes of Accidental Injury	0	0	1	3	4
W65-W74	Accidental Drowning and Submersion	0	0	0	1	1
W66	Drowning and Submersion Following Fall in Bath-Tub	0	0	0	1	1
W75-W84	Other Accidental Threats to Breathing	0	0	1	2	3
W75	Accidental Suffocation and Strangulation in Bed	0	0	1	2	3
Y10-Y34	Event of Undetermined Intent	0	0	0	6	6
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic	0	0	0	1	1
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	0	0	0	1	1
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	0	0	0	1	1
Y33	Other Specified Events, Undetermined Intent	0	0	0	1	1
Y34	Unspecified Event, Undetermined Intent	0	0	0	2	2

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Causes of Resident Infant Deaths by Birthweight
West Virginia, 2019
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	16	41	1	112
A00-B99	Certain Infectious and Parasitic Diseases	3	0	0	0	3
A00-A09	Intestinal Infectious Diseases	3	0	0	0	3
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	3	0	0	0	3
C00-D48	Neoplasms	0	0	2	0	2
C00-C97	Malignant Neoplasms	0	0	1	0	1
C15-C26	Malignant Neoplasms of Digestive Organs	0	0	1	0	1
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	0	0	1	0	1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	0	0	1	0	1
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous	0	0	1	0	1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1	0	0	0	1
E70-E90	Metabolic Disorders	1	0	0	0	1
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	1	0	0	0	1
J00-J99	Diseases of the Respiratory System	0	1	2	0	3
J09-J18	Influenza and Pneumonia	0	0	2	0	2
J18	Pneumonia, Organism Unspecified	0	0	2	0	2
J20-J22	Other Acute Lower Respiratory Infections	0	1	0	0	1
J21	Acute Bronchiolitis	0	1	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	41	1	5	0	47
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor	13	1	1	0	15
P00	Newborn Affected by Maternal Conditions That May Be Unrelated to	0	1	0	0	1
P00.5	Maternal Injury	0	1	0	0	1
P01	Newborn Affected by Maternal Complications of Pregnancy	7	0	0	0	7
P01.0	Incompetent Cervix	2	0	0	0	2
P01.1	Premature Rupture of Membranes	5	0	0	0	5
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	4	0	1	0	5
P02.4	Prolapsed Cord	1	0	0	0	1
P02.7	Chorioamnionitis	3	0	1	0	4
P03	Newborn Affected by Other Complications of Labor and Delivery	1	0	0	0	1
P04	Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast	1	0	0	0	1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	16	0	0	0	16
P05	Slow Fetal Growth and Fetal Malnutrition	1	0	0	0	1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere	15	0	0	0	15
P07.2	Extreme Immaturity	9	0	0	0	9
P07.3	Other Preterm Infants	6	0	0	0	6
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	8	0	2	0	10
P22	Respiratory Distress of Newborn	1	0	0	0	1
P22.0	Respiratory Distress Syndrome	1	0	0	0	1
P24	Neonatal Aspiration Syndromes	0	0	1	0	1
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal	1	0	0	0	1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	1	0	0	0	1
P27	Chronic Respiratory Disease Originating in the Perinatal Period	1	0	0	0	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	1	0	0	0	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	3	0	1	0	4
P29.0	Neonatal Cardiac Failure	1	0	0	0	1
P29.1	Neonatal Cardiac Dysrhythmia	2	0	0	0	2
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	0	0	1	0	1
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	0	0	1	0	1
P61	Other Perinatal Hematological Disorders	0	0	1	0	1
P75-P78	Digestive System Disorders of Newborn	2	0	0	0	2
P77	Necrotizing Enterocolitis of Newborn	1	0	0	0	1
P78	Other Perinatal Digestive System Disorders	1	0	0	0	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Newborn	1	0	0	0	1
P83	Other Conditions of Integument Specific to Newborn	1	0	0	0	1
P90-P96	Other Disorders Originating in the Perinatal Period	1	0	1	0	2
P96	Other Conditions Originating in the Perinatal Period	1	0	1	0	2

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Causes of Resident Infant Deaths by Birthweight
West Virginia, 2019
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	
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	4	11	9	0	24
Q00-Q07	Congenital Malformations of the Nervous System	2	1	1	0	4
Q00	Anencephaly and Similar Malformations	2	1	1	0	4
Q20-Q28	Congenital Malformations of the Circulatory System	1	2	4	0	7
Q21	Congenital Malformations of Cardiac Septa	0	0	1	0	1
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	0	1	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	1	0	0	1
Q24	Other Congenital Malformations of the Heart	1	0	2	0	3
Q25	Congenital Malformations of Great Arteries	0	1	0	0	1
Q30-Q34	Congenital Malformations of the Respiratory System	1	1	2	0	4
Q33	Congenital Malformations of Lung	1	1	2	0	4
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
Q64	Other Congenital Malformations of Urinary System	0	1	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	2	0	0	2
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	0	1	0	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere	0	1	0	0	1
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	4	1	0	5
Q91	Edwards' Syndrome and Patau's Syndrome	0	4	1	0	5
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	4	1	15	1	21
R95-R99	Ill-Defined and Unknown Causes of Mortality	4	1	15	1	21
R95	Sudden Infant Death Syndrome	1	0	2	0	3
R98	Unattended Death	0	0	1	0	1
R99	Other Ill-Defined and Unspecified Causes of Mortality	3	1	12	1	17
V01-Y98	External Causes of Morbidity and Mortality	0	2	7	0	9
W00-X59	Other External Causes of Accidental Injury	0	1	2	0	3
W65-W74	Accidental Drowning and Submersion	0	0	1	0	1
W66	Drowning and Submersion Following Fall in Bath-Tub	0	0	1	0	1
W75-W84	Other Accidental Threats to Breathing	0	1	2	0	3
W75	Accidental Suffocation and Strangulation in Bed	0	1	2	0	3
Y10-Y34	Event of Undetermined Intent	0	1	5	0	6
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism	0	0	1	0	1
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	0	1	0	0	1
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	0	0	1	0	1
Y33	Other Specified Events, Undetermined Intent	0	0	1	0	1
Y34	Unspecified Event, Undetermined Intent	0	0	2	0	2

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Births and Infant Deaths by Selected Risk Factors and Demographics
West Virginia Residents, 2019
Table 34

Factor	Births		Infant Deaths	
	Number	Percent*	Number	Percent*
Total	18,090		112	
Birthweight < 2,500 Grams	1,775	9.8%	70	63.1%
Birthweight < 1,500 Grams	287	1.6%	54	48.6%
Gestational Age < 37 Weeks	2,280	12.6%	71	64.0%
Gestational Age 37-38 Weeks	5,401	29.9%	22	19.8%
Gestational Age 39+ Weeks	10,397	57.5%	18	16.2%
Age of Mother < 20 Years	1,293	7.1%	10	9.0%
Age of Mother < 15 Years	10	0.1%	0	0.0%
Unmarried Mothers	8,383	86.4%	63	56.8%
Mothers Using Tobacco	4,158	23.0%	41	37.3%
White or Caucasian Mothers	16,745	92.7%	95	89.6%
Black or African American Mothers	641	3.5%	12	11.3%
Mothers of Other Races	684	3.8%	0	0.0%
Mothers of Unknown Race	20		5	

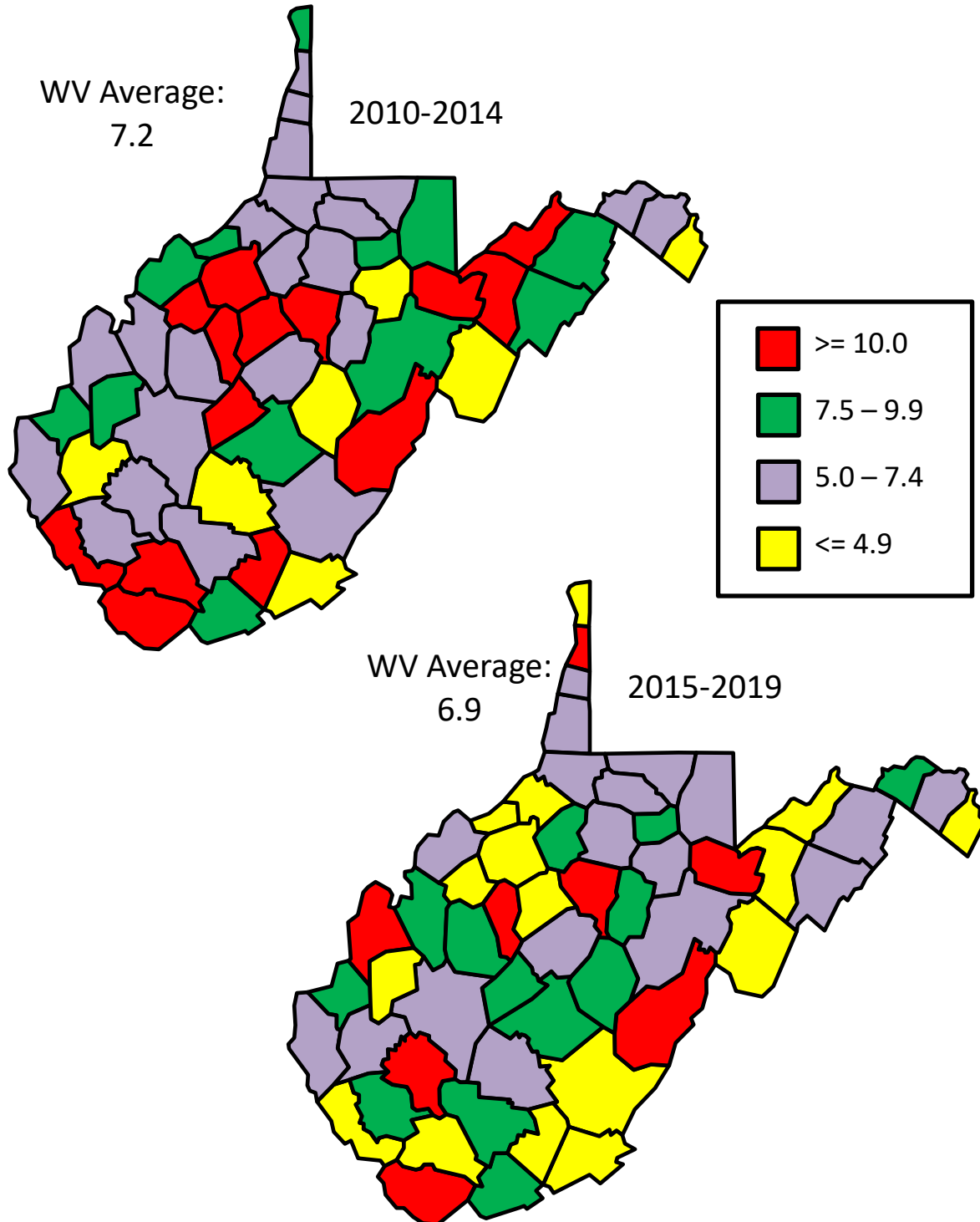
*Percentages are calculated excluding unknown numbers.

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Resident Infant Death Rates by County West Virginia, 2010-2014 and 2015-2019

Exhibit 15



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

Causes of Resident Fetal Deaths
West Virginia, 2015-2019
Table 35

ICDA 10 Code	Cause of Death	2015	2016	2017	2018	2019
A00-Z99*	Total Deaths, All Causes	86	96	107	103	86
C00-D48	Neoplasms	0	0	0	1	2
D10-D36	Benign Neoplasms	0	0	0	1	2
D18	Hemangioma and Lymphangioma, Any Site	0	0	0	1	2
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	0	0	0	0	1
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	0	0	0	0	1
D68	Other Coagulation Defects	0	0	0	0	1
P00-P96	Certain Conditions Originating in the Perinatal Period	70	26	103	93	75
P00-P04	Fetus Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	33	11	2	52	29
P00	Fetus Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	5	0	1	9	4
P00.0	Maternal Hypertensive Disorders	5	0	0	2	3
P00.2	Maternal Infectious and Parasitic Diseases	0	0	0	1	1
P00.8	Other Maternal Conditions	0	0	1	6	0
P01	Fetus Affected by Maternal Complications of Pregnancy	6	2	1	7	5
P01.1	Premature Rupture of Membranes	6	1	1	5	4
P01.2	Oligohydramnios	0	0	0	1	0
P01.3	Polyhydramnios	0	1	0	0	0
P01.5	Multiple Pregnancy	0	0	0	1	0
P01.7	Malpresentation Before Labor	0	0	0	0	1
P02	Fetus Affected by Complications of Placenta, Cord and Membranes	22	7	0	34	18
P02.1	Other Forms of Placenta Separation and Hemorrhage	8	2	0	16	6
P02.2	Other and Unspecified Morphological and Functional Abnormalities of Placenta	0	0	0	6	0
P02.4	Prolapsed Cord	0	0	0	2	0
P02.5	Other Compression of Umbilical Cord	5	2	0	4	8
P02.6	Other and Unspecified Conditions of Umbilical Cord	7	0	0	3	4
P02.7	Chorioamnionitis	2	2	0	3	0
P03	Fetus Affected by Other Complications of Labor and Delivery	0	1	0	1	1
P04	Fetus Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	0	1	0	1	1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	6	1	50	5	23
P05	Slow Fetal Growth and Fetal Malnutrition	1	0	0	0	1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	5	1	50	4	22
P07.0	Extremely Low Birthweight	0	0	0	1	0
P07.1	Other Low Birthweight	0	0	0	1	0
P07.2	Extreme Immaturity	1	1	50	1	22
P07.3	Other Preterm Infants	4	0	0	1	0
P08	Disorders Related to Long Gestation and High Birthweight	0	0	0	1	0

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Causes of Resident Fetal Deaths
West Virginia, 2015-2019
Table 35 (Cont'd)

ICDA 10 Code	Cause of Death	2015	2016	2017	2018	2019
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	2	1	0	1	0
P29	Cardiovascular Disorders Originating in the Perinatal Period	2	1	0	1	0
P29.0	Neonatal Cardiac Failure	1	0	0	0	0
P29.1	Neonatal Cardiac Dysrhythmia	0	1	0	0	0
P29.2	Neonatal Hypertension	1	0	0	0	0
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	0	0	0	1	0
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus	0	1	0	6	1
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Fetus	0	1	0	6	1
P70.0	Syndrome of Infant of Mother with Gestational Diabetes	0	0	0	3	0
P70.1	Syndrome of Infant of a Diabetic Mother	0	1	0	3	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus	1	0	0	4	1
P83	Other Conditions of Integument Specific to Fetus	1	0	0	4	1
P90-P96	Other Disorders Originating in the Perinatal Period	28	12	51	25	21
P95	Fetal Death of Unspecified Cause	1	0	51	25	21
P96	Other Conditions Originating in the Perinatal Period	27	12	0	0	0
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	8	2	0	9	2
Q00-Q07	Congenital Malformations of the Nervous System	0	0	0	2	0
Q00	Anencephaly and Similar Malformations	0	0	0	1	0
Q01	Encephalocele	0	0	0	1	0
Q20-Q28	Congenital Malformations of the Circulatory System	0	1	0	0	0
Q21	Congenital Malformations of Cardiac Septa	0	1	0	0	0
Q30-Q34	Congenital Malformations of the Respiratory System	1	0	0	0	0
Q32	Congenital Malformations of Trachea and Bronchus	1	0	0	0	0
Q60-Q64	Congenital Malformations of the Urinary System	0	1	0	0	1
Q60	Renal Agenesis and Other Reduction Defects of Kidney	0	1	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	1	0	0	1	0
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	1	0	0	1	0
Q80-Q89	Other Congenital Malformations	3	0	0	0	0
Q89	Other Congenital Malformations, Not Elsewhere Classified	3	0	0	0	0
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	3	0	0	6	1
Q91	Edwards' Syndrome and Patau's Syndrome	3	0	0	5	0
Q96	Turner's Syndrome	0	0	0	1	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	8	68	4	0	6
R95-R99	Ill-Defined and Unknown Causes of Mortality	8	68	4	0	6
R99	Other Ill-Defined and Unspecified Causes of Mortality	8	68	4	0	6

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

Induced Terminations of Pregnancy (ITOP) Summary

The annual reporting of induced termination 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 ITOPs 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 2019 ITOP records indicate the female received counseling, compared to all but four in 2018. There are some isolated incidents where the ITOP needs to be performed due to a medical emergency. In 2019, there were five ITOP performed due to a medical emergency, compared to three in 2018.

In 2019, there were 1,332 ITOPs performed in West Virginia, 176 or 11.7% less than in 2018 (1,508). Over six out of every seven (86.6%) ITOPs involved a West Virginia resident, while 5.6% were Kentucky residents and 5.3% were residents of Ohio, compared with 2018 percentages of 86.2%, 6.0%, and 6.2%, respectively. The median age of women having an ITOP in 2019 was 26, compared to 25 in 2018. There were 43 procedures in 2019 involving females under the age of 18, of which 42 were performed (on unemancipated* minors, compared with 42 in 2018. More than four out of every five (83.0%) of the 2019 ITOPs performed in West Virginia involved women who were not married at the time. Over one in three (36.0%) of the 2019 ITOPs involved women who had never had a previous live birth, while 86.8% were to women who had two or fewer children. There were two ITOPs performed on women who had six or more children. Over sixty-one percent of ITOPs (61.3%) involved women for whom it was their first ITOP, while nearly all (95.5%) involved women who had two or fewer previous ITOPs. Nine 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, 2019**

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	4	1	1	2	0	0	0	8
15-17	17	11	2	5	0	0	0	35
18-19	45	21	14	11	1	0	0	92
20-24	272	74	43	30	4	1	0	424
25-29	218	81	37	22	7	2	0	367
30-34	129	40	17	19	7	3	0	215
35-39	93	34	9	14	3	2	0	155
40-44	22	5	4	3	1	0	0	35
45+	1	0	0	0	0	0	0	1
Unknown	0	0	0	0	0	0	0	0
Total	801	267	127	106	23	8	0	1,332

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, 2019**

Table 37

Age of Female	Marital Status						Total
	Married	Never Married	Divorced	Separated	Widowed	Unknown	
10-14	0	8	0	0	0	0	8
15-17	1	34	0	0	0	0	35
18-19	1	90	1	0	0	0	92
20-24	30	378	15	1	0	0	424
25-29	62	270	27	8	0	0	367
30-34	43	130	33	9	0	0	215
35-39	45	80	20	7	2	1	155
40-44	13	11	4	5	2	0	35
45+	1	0	0	0	0	0	1
Unknown	0	0	0	0	0	0	0
Total	196	1,001	100	30	4	1	1,332

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, 2019

Table 38

Age of Female	Previous Live Births						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	8	0	0	0	0	0	8
15-17	33	2	0	0	0	0	35
18-19	63	21	7	1	0	0	92
20-24	207	137	62	13	5	0	424
25-29	91	114	111	34	17	0	367
30-34	49	65	54	27	20	0	215
35-39	27	51	37	26	13	1	155
40-44	1	4	11	10	9	0	35
45+	0	0	0	0	1	0	1
Unknown	0	0	0	0	0	0	0
Total	479	394	282	111	65	1	1,332

Previous Induced Terminations of Pregnancy
By Age of Female
West Virginia Occurrences, 2019

Table 39

Age of Female	Previous Induced Terminations						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	8	0	0	0	0	0	8
15-17	33	2	0	0	0	0	35
18-19	77	9	3	1	2	0	92
20-24	284	105	23	7	5	0	424
25-29	219	91	41	10	6	0	367
30-34	114	65	23	6	6	1	215
35-39	66	50	25	8	6	0	155
40-44	15	12	5	1	2	0	35
45+	0	1	0	0	0	0	1
Unknown	0	0	0	0	0	0	0
Total	816	335	120	33	27	1	1,332

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 352 (4th Cir. 2014). However, the overall number of marriages in West Virginia decreased for the eighth year in a row, from 10,950 in 2018 to 10,705 in 2019. Of those 2019 marriages, 10,467 were male-female marriages while 238 were of the same sex. The marriage rate in 2019 was 6.0 per 1,000 population, lower than 6.1 rate in 2018. The 2019 U.S. provisional rate was 6.1.

For male-female marriages in 2019, the median age was 29 for brides and 31 for grooms. The age mode (most frequently reported age) for male-female marriages was 22 for brides and 24 for grooms. There were 44 brides and 8 grooms aged less than 18. There were 235 brides and 384 grooms over the age of 65. Also in 2019, there were 161 marriages in which the groom was 20 years or more older than the bride, while there were 20 marriages in which the bride was at least 20 years older.

For first marriages to those who were a male-female union, the median age for brides was 24 and 26 for grooms. The age mode for first male-female marriages in West Virginia was 22 for brides and 24 for grooms. All 44 West Virginia brides and all eight grooms less than 18 years of age were in their first marriage. There were 10 brides and 13 grooms over the age of 65 for which it was a first marriage.

There were 238 same-sex marriages in 2019 compared to 215 in 2018. Of the 215 same-sex marriages in 2019, 59 were two males and the remaining 179 were two females. The median age for these same-sex marriages was 30; 29 for males, 30 for females. The mode age (most frequently reported age) for same-sex marriages was both 27 and 29; 25 for males, 24 for females. There were five same-sex marriages involving someone over the age of 65; two for males and three for females.

Divorces and Annulments

The number of reported divorces and annulments increased by 656 or 11.2%, from 5,879 in 2018 to 6,535 in 2019. The 2019 rate of 3.6 per 1,000 population was higher than the 2018 rate of 3.3.

Of all 6,535 reported divorces in West Virginia in 2019, the median duration of marriage was six years. Less than one out of every five (18.5%) West Virginia divorces with a known duration in 2018 involved marriages lasting only two years or less; 9.7% involved marriages of 25 years or longer. There were two divorces involving either a petitioner or respondent aged less than 18. During 2019, 216 divorces involved petitioner or respondent aged 65 or older.

More than one-half (55.5%) of the reported divorces involved no children under 18 years of age

in the family, while one child was involved in 20.4% of divorces and two children were involved in 17.2%. Five divorces involved six or more children.

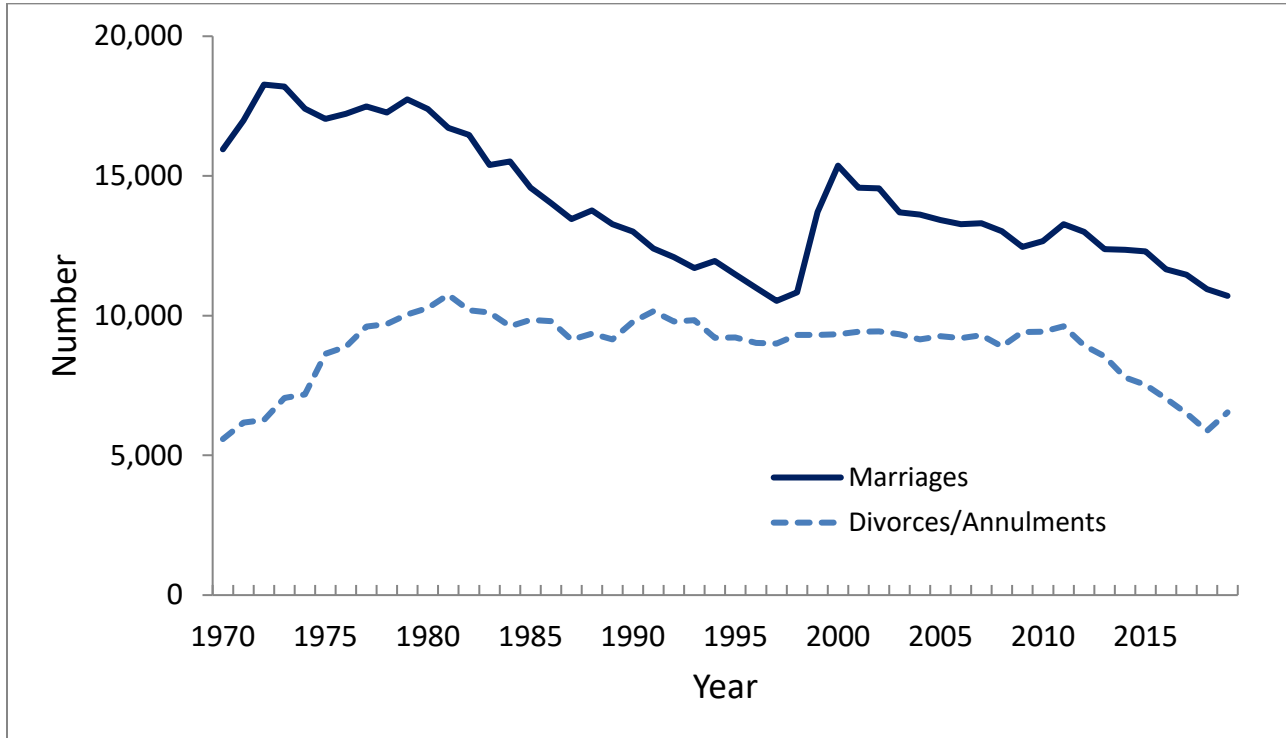
Data structure changed in 2017 which allowed records of divorces involving same-sex couples. Of the 6,535 reported divorces and annulments, 166 involved same-sex couples. Of the 6,369 male-female divorces in West Virginia in 2019, the median duration of marriage was seven years. Eighteen percent of West Virginia male-female divorces with a known duration in 2019 involved marriages lasting two years or less; 9.9% involved marriages of 25 years or longer. There were two divorces involving a wife aged less than 18, but there were no divorces involving a husband in that age group. During 2019, 171 divorces involved a wife aged 65 or older and 255 involved a husband in that age group.

More than one-half (55.0%) of the male-female divorces involved no children under 18 years of age in the family, while one child was involved in 20.6% of male-female divorces and two children were involved in 17.5%. four 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/Annulments
West Virginia, 1970-2019
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
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
2019	10,705	6,535

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

All Marriages by Age of Bride and Groom

West Virginia, 2019

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
15-19 Years	0	163	292	54	14	7	1	0	2	0	0	0	533
20-24 Years	0	52	1,361	824	179	59	29	11	5	1	3	0	2,524
25-29 Years	0	8	256	1,131	600	224	75	37	8	4	2	0	2,345
30-34 Years	0	3	42	242	526	343	160	65	19	5	7	0	1,412
35-39 Years	0	0	19	56	158	369	269	124	51	16	14	0	1,076
40-44 Years	0	1	5	18	51	139	259	190	95	43	34	0	835
45-49 Years	0	0	1	5	14	58	95	220	193	61	54	0	701
50-54 Years	0	0	1	1	5	11	30	80	156	112	86	0	482
55-59 Years	0	0	0	0	0	5	10	27	43	100	130	0	315
60 Years & Over	0	0	0	0	0	1	5	5	10	51	410	0	482
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	227	1,977	2,331	1,547	1,216	933	759	582	393	740	0	10,705

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, 2019

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	159	287	51	14	7	1	0	1	0	0	0	520
20-24 Years	0	49	1,344	815	172	56	28	11	5	1	2	0	2,483
25-29 Years	0	8	247	1,105	587	218	73	36	8	4	2	0	2,288
30-34 Years	0	2	39	228	516	337	158	60	19	5	7	0	1,371
35-39 Years	0	0	15	53	152	358	264	121	49	16	14	0	1,042
40-44 Years	0	1	3	16	47	133	256	189	95	41	34	0	815
45-49 Years	0	0	1	5	12	54	94	216	191	60	52	0	685
50-54 Years	0	0	1	1	4	11	29	79	155	110	85	0	475
55-59 Years	0	0	0	0	0	4	10	27	42	97	129	0	309
60 Years & Over	0	0	0	0	0	1	5	5	10	50	408	0	479
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	219	1,937	2,274	1,504	1,179	918	744	575	384	733	0	10,467

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, 2019
Table 42

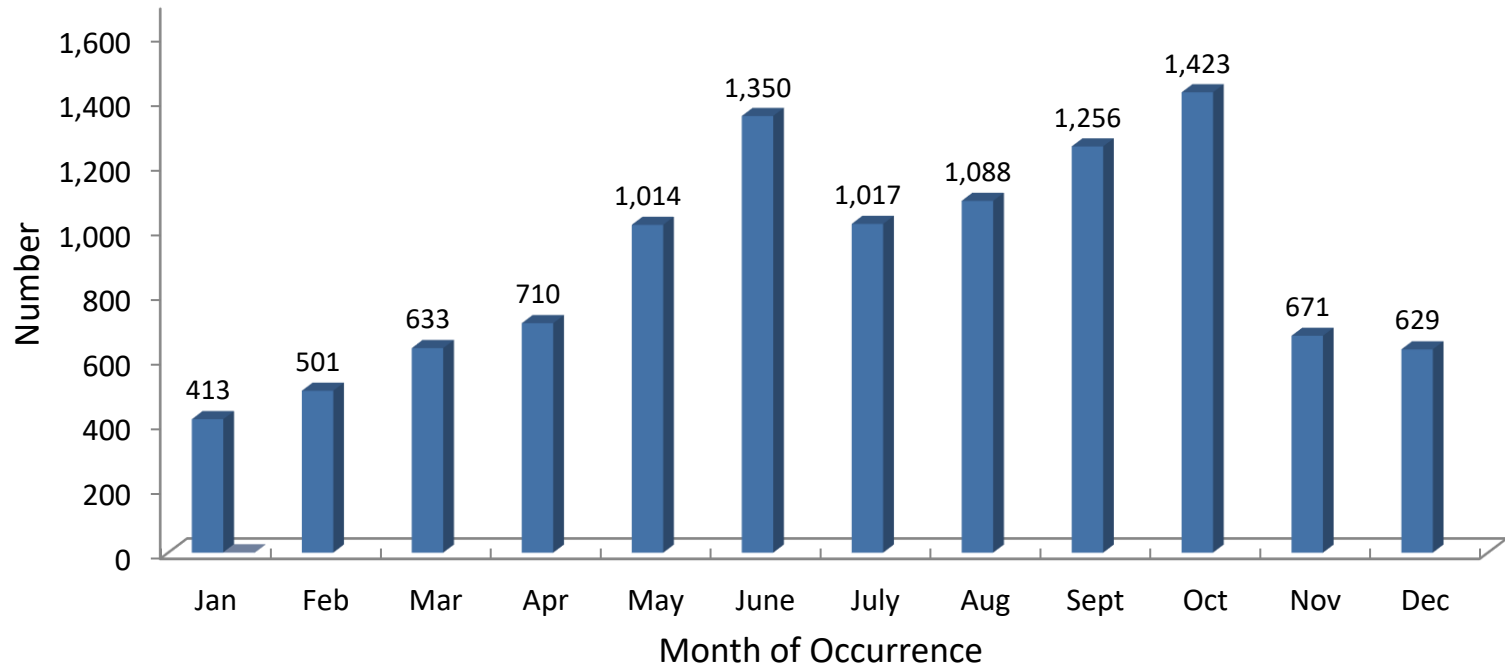
Age of Partner 1	Age of Partner 2												Total	
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 Years & Over	Unknown		
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	4	5	3	0	0	0	0	1	0	0	0	0	13
20-24 Years	0	3	17	9	7	3	1	0	0	0	1	0	0	41
25-29 Years	0	0	9	26	13	6	2	1	0	0	0	0	0	57
30-34 Years	0	1	3	14	10	6	2	5	0	0	0	0	0	41
35-39 Years	0	0	4	3	6	11	5	3	2	0	0	0	0	34
40-44 Years	0	0	2	2	4	6	3	1	0	2	0	0	0	20
45-49 Years	0	0	0	0	2	4	1	4	2	1	2	0	0	16
50-54 Years	0	0	0	0	1	0	1	1	1	2	1	0	0	7
55-59 Years	0	0	0	0	0	1	0	0	1	3	1	0	0	6
60 Years & Over	0	0	0	0	0	0	0	0	0	1	2	0	0	3
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	8	40	57	43	37	15	15	7	9	7	0	0	238

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, 2019 Exhibit 17



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

All Marriages by Previous Marital Status
West Virginia, 2019
Table 43

Bride/Partner 1	Groom/Partner 2					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,107	35	1,115	3	2	6,262
Widowed	67	133	253	1	0	454
Divorced	1,187	217	2,554	10	2	3,970
Annulled	7	0	2	3	0	12
Not Stated	2	1	4	0	0	7
Total	6,370	386	3,928	17	4	10,705

All Marriages by Number of Previous Marriages
West Virginia, 2019
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	5,114	924	176	38	14	1	6,267
One Previous Marriage	994	1,357	443	113	28	2	2,937
Two Previous Marriages	221	486	259	86	21	0	1,073
Three Previous Marriages	33	138	89	42	9	0	311
Four or More Previous Marriages	12	43	31	17	9	0	112
Not Stated	1	1	3	0	0	0	5
Total	6,375	2,949	1,001	296	81	3	10,705

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

Male-Female Marriages by Previous Marital Status
West Virginia, 2019
Table 45

Bride	Groom					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	4,979	35	1,085	3	2	6,104
Widowed	65	133	253	1	0	452
Divorced	1,132	217	2,532	10	2	3,893
Annulled	6	0	2	3	0	11
Not Stated	2	1	4	0	0	7
Total	6,184	386	3,876	17	4	10,467

Male-Female Marriages by Number of Previous Marriages
West Virginia, 2019
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	4,985	899	173	37	14	1	6,109
One Previous Marriage	952	1,345	440	112	28	2	2,879
Two Previous Marriages	207	481	258	86	21	0	1,053
Three Previous Marriages	32	138	89	42	9	0	310
Four or More Previous Marriages	11	43	31	17	9	0	111
Not Stated	1	1	3	0	0	0	5
Total	6,188	2,907	994	294	81	3	10,467

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

Same-Sex Marriages by Previous Marital Status
West Virginia, 2019

Table 47

Partner 1	Partner 2					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	128	0	30	0	0	158
Widowed	2	0	0	0	0	2
Divorced	55	0	22	0	0	77
Annulled	1	0	0	0	0	1
Not Stated	0	0	0	0	0	0
Total	186	0	52	0	0	238

Same-Sex Marriages by Number of Previous Marriages
West Virginia, 2019

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	129	25	3	1	0	0	158
One Previous Marriage	42	12	3	1	0	0	58
Two Previous Marriages	14	5	1	0	0	0	20
Three Previous Marriages	1	0	0	0	0	0	1
Four or More Previous Marriages	1	0	0	0	0	0	1
Not Stated	0	0	0	0	0	0	0
Total	187	42	7	2	0	0	238

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, 2019
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	7	17	3	0	1	0	0	0	0	0	1	29
20-24 Years	0	13	203	136	33	13	11	5	2	2	1	4	423
25-29 Years	0	1	109	392	235	72	32	17	3	2	1	4	868
30-34 Years	0	0	16	140	424	255	80	30	14	4	1	10	974
35-39 Years	0	0	3	56	170	372	254	95	29	11	5	10	1,005
40-44 Years	0	0	4	16	69	168	333	217	68	31	13	11	930
45-49 Years	0	0	2	6	27	62	158	281	154	56	28	6	780
50-54 Years	0	0	2	2	10	22	50	104	175	103	72	11	551
55-59 Years	0	0	1	1	3	9	9	27	72	108	96	6	332
60 Years & Over	0	0	0	3	3	3	19	23	45	80	243	8	427
Unknown	0	0	2	4	2	2	5	3	2	1	2	193	216
Total	0	21	359	759	976	979	951	802	564	398	462	264	6,535

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, 2019
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	7	23	3	0	1	0	0	0	0	0	1	35
20-24 Years	0	4	189	179	39	13	11	7	4	3	0	3	452
25-29 Years	0	1	57	376	286	93	34	21	5	3	0	6	882
30-34 Years	0	0	7	73	414	292	110	45	21	7	3	7	979
35-39 Years	0	0	3	26	119	367	304	111	42	18	6	4	1,000
40-44 Years	0	0	4	11	35	107	330	259	91	30	25	11	903
45-49 Years	0	0	0	2	12	44	108	277	178	65	42	3	731
50-54 Years	0	0	0	0	3	8	24	76	174	113	84	6	488
55-59 Years	0	0	0	0	0	2	10	17	57	107	128	2	323
60 Years & Over	0	0	0	3	1	1	7	9	29	48	240	4	342
Unknown	0	0	2	2	5	7	5	6	7	5	6	189	234
Total	0	12	285	675	914	935	943	828	608	399	534	236	6,369

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, 2019

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	212	24	4	3	1	0	0	2	246
1 to 4 Years	1,242	386	207	38	6	2	1	46	1,928
5 to 9 Years	808	340	344	114	11	1	0	22	1,640
10 to 14 Years	367	209	285	95	22	6	3	14	1,001
15 to 19 Years	232	178	181	76	13	9	0	9	698
20 to 24 Years	228	110	65	18	7	0	1	7	436
25 to 29 Years	196	40	12	5	0	0	0	5	258
30 to 34 Years	129	19	4	1	1	0	0	0	154
35 to 39 Years	73	2	2	2	1	0	0	0	80
40 to 44 Years	37	0	1	1	0	0	0	0	39
45 to 49 Years	23	1	1	0	0	0	0	0	25
50 to 54 Years	5	0	0	0	0	0	0	0	5
55 to 59 Years	2	1	0	0	0	0	0	0	3
60 Years & Over	2	0	0	0	0	0	0	0	2
Unknown	14	2	2	1	0	0	0	1	20
Total	3,570	1,312	1,108	354	62	18	5	106	6,535

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, 2019
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	202	24	4	3	1	0	0	2	236
1 to 4 Years	1,161	374	205	38	6	2	0	45	1,831
5 to 9 Years	788	335	339	111	11	0	0	21	1,605
10 to 14 Years	366	207	283	94	22	6	3	14	995
15 to 19 Years	228	177	179	75	13	9	0	8	689
20 to 24 Years	225	109	65	18	7	0	1	7	432
25 to 29 Years	193	40	12	5	0	0	0	5	255
30 to 34 Years	128	19	4	1	1	0	0	0	153
35 to 39 Years	72	2	2	2	1	0	0	0	79
40 to 44 Years	37	0	1	1	0	0	0	0	39
45 to 49 Years	23	1	1	0	0	0	0	0	25
50 to 54 Years	5	0	0	0	0	0	0	0	5
55 to 59 Years	2	1	0	0	0	0	0	0	3
60 Years & Over	2	0	0	0	0	0	0	0	2
Unknown	14	2	2	1	0	0	0	1	20
Total	3,446	1,291	1,097	349	62	17	4	103	6,369

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West Virginia Vital Statistics
County-Level Data

County and City Summary

Beginning with the *West Virginia Vital Statistics 2008* report, the Health Statistics Center began separating county statistics from the state totals. Although the tables have been rearranged from previous publications, the same information is presented. The birth section is followed by information on deaths (including infant and fetal) and then marriages and divorces. The majority of Induced Termination of Pregnancy (ITOP) data are collected from one clinic and are 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 the 2018 edition, it has further increased to the 50 most populated cities. Please note there could 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, 2019
 Table 53

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate per 1,000 Population*			Number	Rate per 1,000 Population*	
Barbour	183	11.1	0	Monongalia	1,056	10.0	2,772
Berkeley	1,435	12.0	1,057	Monroe	102	7.7	5
Boone	206	9.6	2	Morgan	155	8.7	4
Braxton	116	8.3	3	Nicholas	215	8.8	4
Brooke	177	8.1	566	Ohio	376	9.1	1,382
Cabell	1,016	11.1	2,977	Pendleton	87	12.5	4
Calhoun	56	7.9	1	Pleasants	76	10.2	0
Clay	95	11.2	0	Pocahontas	69	8.4	4
Doddridge	65	7.7	0	Preston	353	10.6	3
Fayette	431	10.2	4	Putnam	557	9.9	6
Gilmer	60	7.7	1	Raleigh	752	10.3	898
Grant	125	10.8	273	Randolph	288	10.0	269
Greenbrier	344	9.9	466	Ritchie	97	10.2	2
Hampshire	237	10.2	6	Roane	144	10.5	2
Hancock	255	8.9	1	Summers	105	8.4	1
Hardy	141	10.2	0	Taylor	147	8.8	0
Harrison	695	10.3	1,036	Tucker	56	8.2	0
Jackson	293	10.3	2	Tyler	68	7.9	0
Jefferson	550	9.6	233	Upshur	243	10.1	329
Kanawha	1,749	9.8	3,751	Wayne	393	10.0	2
Lewis	178	11.2	160	Webster	69	8.5	1
Lincoln	201	9.8	3	Wetzel	183	12.1	2
Logan	360	11.2	214	Wirt	65	11.2	0
McDowell	179	10.2	2	Wood	838	10.0	1,220
Marion	601	10.7	139	Wyoming	229	11.2	1
Marshall	283	9.3	145				
Mason	231	8.7	88				
Mercer	584	9.9	964	Total	18,090	10.1	19,008
Mineral	243	9.0	2				
Mingo	278	11.9	1				

*Rates are calculated per 1,000 population. 2019 population estimates are from the U.S. Bureau of the Census.

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Number of Births by County of Residence
West Virginia, 2015-2019
Table 54

County	2015	2016	2017	2018	2019	County	2015	2016	2017	2018	2019
Barbour	163	171	165	157	183	Monongalia	1,094	1,122	1,106	1,012	1,056
Berkeley	1,380	1,395	1,361	1,484	1,435	Monroe	130	131	118	126	102
Boone	233	241	245	199	206	Morgan	126	145	153	127	155
Braxton	176	115	136	119	116	Nicholas	274	268	262	231	215
Brooke	204	188	207	188	177	Ohio	470	419	408	407	376
Cabell	1,087	1,039	1,035	1,009	1,016	Pendleton	62	75	63	56	87
Calhoun	61	82	53	53	56	Pleasants	86	60	71	75	76
Clay	113	81	92	94	95	Pocahontas	83	91	75	75	69
Doddridge	86	68	67	64	65	Preston	322	337	321	333	353
Fayette	496	453	428	419	431	Putnam	601	555	521	515	557
Gilmer	59	68	53	65	60	Raleigh	824	832	758	799	752
Grant	134	113	133	115	125	Randolph	285	285	317	261	288
Greenbrier	376	343	367	308	344	Ritchie	101	100	85	95	97
Hampshire	245	190	215	230	237	Roane	132	130	126	133	144
Hancock	268	218	254	248	255	Summers	121	107	102	101	105
Hardy	149	170	158	169	141	Taylor	192	172	140	146	147
Harrison	800	737	712	713	695	Tucker	63	74	64	56	56
Jackson	338	308	289	311	293	Tyler	84	95	77	85	68
Jefferson	563	537	610	533	550	Upshur	248	293	233	249	243
Kanawha	2,058	1,959	1,921	1,861	1,749	Wayne	421	428	377	375	393
Lewis	208	187	153	176	178	Webster	78	88	72	95	69
Lincoln	239	242	222	225	201	Wetzel	179	169	151	173	183
Logan	353	358	367	336	360	Wirt	58	55	53	55	65
McDowell	212	221	187	180	179	Wood	986	944	919	909	838
Marion	622	659	620	574	601	Wyoming	212	197	193	185	229
Marshall	317	307	297	280	283						
Mason	282	241	278	269	231						
Mercer	734	662	706	661	584	Total	19,778	19,070	18,679	18,243	18,090
Mineral	272	276	262	251	243						
Mingo	318	269	321	278	278						

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Number and Percent of Low Birthweight (LBW) Births
By County of Residence
West Virginia, 2019
Table 55

County	Number of Births	LBW*	Percent LBW	County	Number of Births	LBW*	Percent LBW
Barbour	183	13	7.1%	Monongalia	1,056	88	8.3%
Berkeley	1,435	117	8.2%	Monroe	102	7	6.9%
Boone	206	29	14.1%	Morgan	155	13	8.4%
Braxton	116	12	10.3%	Nicholas	215	27	12.6%
Brooke	177	19	10.7%	Ohio	376	34	9.1%
Cabell	1,016	118	11.6%	Pendleton	87	11	12.6%
Calhoun	56	4	7.1%	Pleasants	76	2	2.6%
Clay	95	16	16.8%	Pocahontas	69	6	8.7%
Doddridge	65	9	13.8%	Preston	353	35	9.9%
Fayette	431	48	11.1%	Putnam	557	41	7.4%
Gilmer	60	5	8.3%	Raleigh	752	78	10.4%
Grant	125	12	9.6%	Randolph	288	16	5.6%
Greenbrier	344	39	11.3%	Ritchie	97	5	5.2%
Hampshire	237	20	8.4%	Roane	144	14	9.8%
Hancock	255	27	10.6%	Summers	105	12	11.4%
Hardy	141	7	5.0%	Taylor	147	6	4.1%
Harrison	695	58	8.3%	Tucker	56	3	5.4%
Jackson	293	22	7.5%	Tyler	68	5	7.4%
Jefferson	550	57	10.4%	Upshur	243	16	6.6%
Kanawha	1,749	193	11.0%	Wayne	393	40	10.2%
Lewis	178	18	10.1%	Webster	69	10	14.5%
Lincoln	201	19	9.5%	Wetzel	183	20	10.9%
Logan	360	48	13.3%	Wirt	65	12	18.5%
McDowell	179	14	7.8%	Wood	838	78	9.3%
Marion	601	67	11.1%	Wyoming	229	32	14.0%
Marshall	283	26	9.2%				
Mason	231	24	10.4%				
Mercer	584	68	11.6%	Total	18,090	1,775	9.8%
Mineral	243	19	7.8%				
Mingo	278	36	12.9%				

* < 2,500 grams

Note: Percentages are calculated excluding unknown.

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Age of Mother by County
West Virginia Resident Births, 2019
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	4	10	60	58	29	17	3	2	0	183
Berkeley	0	26	55	341	473	382	137	17	4	0	1,435
Boone	1	8	22	69	56	38	11	0	1	0	206
Braxton	0	1	11	35	43	13	11	2	0	0	116
Brooke	0	3	5	50	61	39	15	4	0	0	177
Cabell	1	9	54	268	336	230	86	28	4	0	1,016
Calhoun	0	1	6	19	17	10	2	1	0	0	56
Clay	0	1	9	28	26	22	8	1	0	0	95
Doddridge	0	2	5	18	18	12	9	1	0	0	65
Fayette	0	9	34	132	137	69	41	7	2	0	431
Gilmer	0	0	4	22	16	13	5	0	0	0	60
Grant	1	0	9	41	40	23	10	0	1	0	125
Greenbrier	0	4	16	100	92	84	36	10	2	0	344
Hampshire	0	1	13	76	77	43	19	6	2	0	237
Hancock	0	6	11	68	83	54	32	1	0	0	255
Hardy	0	0	9	41	43	37	10	1	0	0	141
Harrison	0	9	40	186	222	149	74	12	3	0	695
Jackson	0	3	19	100	87	55	22	6	1	0	293
Jefferson	0	2	21	108	175	141	74	28	1	0	550
Kanawha	0	24	102	465	521	396	189	46	6	0	1,749
Lewis	0	4	11	55	55	32	18	3	0	0	178
Lincoln	0	0	12	72	57	38	15	6	1	0	201
Logan	1	11	22	129	113	46	31	6	1	0	360
McDowell	0	3	12	72	49	27	12	2	2	0	179
Marion	0	4	27	144	202	140	73	9	2	0	601
Marshall	0	5	13	73	99	59	33	1	0	0	283
Mason	0	6	12	89	65	39	16	3	1	0	231
Mercer	1	13	39	203	185	99	36	7	1	0	584
Mineral	0	1	18	71	77	50	18	7	1	0	243
Mingo	0	7	24	114	69	47	13	4	0	0	278
Monongalia	1	11	29	196	302	345	142	28	2	0	1,056
Monroe	0	2	9	20	35	21	13	1	1	0	102
Morgan	0	3	7	47	45	38	12	2	1	0	155
Nicholas	0	5	16	61	76	31	20	4	2	0	215
Ohio	0	10	16	74	96	114	52	13	1	0	376
Pendleton	0	3	6	22	27	15	11	3	0	0	87
Pleasants	0	1	5	21	29	14	6	0	0	0	76
Pocahontas	0	0	3	19	21	17	5	4	0	0	69
Preston	0	3	19	100	96	95	35	4	1	0	353
Putnam	0	2	17	123	201	136	65	13	0	0	557
Raleigh	0	16	45	233	229	147	68	9	5	0	752
Randolph	3	7	15	86	94	58	18	4	3	0	288
Ritchie	0	2	2	36	32	20	4	0	1	0	97
Roane	0	3	9	46	41	27	12	4	2	0	144
Summers	0	2	4	34	32	18	12	2	1	0	105
Taylor	0	0	11	41	52	26	15	1	1	0	147
Tucker	0	1	7	15	18	6	8	1	0	0	56
Tyler	0	2	6	19	23	14	3	1	0	0	68
Upshur	0	7	18	79	75	49	13	1	1	0	243
Wayne	0	6	27	116	115	82	32	10	5	0	393
Webster	0	2	5	24	25	10	2	0	1	0	69
Wetzel	0	3	15	68	56	28	11	2	0	0	183
Wirt	0	0	1	23	23	10	6	2	0	0	65
Wood	1	13	55	235	282	167	61	21	3	0	838
Wyoming	0	6	14	83	75	36	13	2	0	0	229
Total	10	277	1,006	5,070	5,652	3,940	1,712	354	69	0	18,090

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Mother's Marital Status and Method of Paternity Establishment for
Unmarried Mothers by County
West Virginia Occurrence Births, 2019

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	0	0	0	0	0	0
Berkeley	1,057	438	619	438	11	170
Boone	2	0	2	0	0	2
Braxton	3	0	3	3	0	0
Brooke	566	257	309	252	9	48
Cabell	2,977	1,669	1,308	937	35	336
Calhoun	1	1	0	0	0	0
Clay	0	0	0	0	0	0
Doddridge	0	0	0	0	0	0
Fayette	4	1	3	2	0	1
Gilmer	1	1	0	0	0	0
Grant	273	113	160	133	5	22
Greenbrier	466	231	235	175	3	57
Hampshire	6	6	0	0	0	0
Hancock	1	0	1	0	0	1
Hardy	0	0	0	0	0	0
Harrison	1,036	538	498	390	10	98
Jackson	2	2	0	0	0	0
Jefferson	233	119	114	89	1	24
Kanawha	3,751	2,056	1,695	1,242	31	422
Lewis	160	61	99	70	1	28
Lincoln	3	1	2	0	0	2
Logan	214	71	143	58	4	81
McDowell	2	1	1	0	1	0
Marion	139	55	84	65	1	18
Marshall	145	63	82	59	1	22
Mason	88	40	48	39	0	9
Mercer	964	493	471	307	16	148
Mineral	2	2	0	0	0	0
Mingo	1	0	1	0	0	1
Monongalia	2,772	1,788	984	725	22	237
Monroe	5	5	0	0	0	0
Morgan	4	4	0	0	0	0
Nicholas	4	2	2	2	0	0
Ohio	1,382	721	661	496	23	142
Pendleton	4	2	2	1	0	1
Pleasants	0	0	0	0	0	0
Pocahontas	4	3	1	1	0	0
Preston	3	2	1	0	0	1
Putnam	6	4	2	1	0	1
Raleigh	898	395	503	286	10	207
Randolph	269	123	146	99	5	42
Ritchie	2	0	2	1	0	1
Roane	2	1	1	0	0	1
Summers	1	0	1	0	0	1
Taylor	0	0	0	0	0	0
Tucker	0	0	0	0	0	0
Tyler	0	0	0	0	0	0
Upshur	329	178	151	108	3	40
Wayne	2	2	0	0	0	0
Webster	1	0	1	0	0	1
Wetzel	2	1	1	1	0	0
Wirt	0	0	0	0	0	0
Wood	1,220	629	591	379	14	198
Wyoming	1	1	0	0	0	0
Total	19,008	10,080	8,928	6,359	206	2,363

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*Includes 26 births with unknown marital status.

Births by Month by County
West Virginia Residents, 2019
Table 58

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	15	12	10	16	17	11	24	14	10	16	23	15	183
Berkeley	113	98	107	94	133	137	134	143	139	105	121	111	1,435
Boone	19	15	15	18	21	14	13	25	19	19	11	17	206
Braxton	12	9	13	10	8	6	15	9	8	8	12	6	116
Brooke	14	8	18	17	25	11	19	19	19	11	13	3	177
Cabell	79	71	78	70	95	87	112	96	95	77	79	77	1,016
Calhoun	3	3	4	6	7	7	5	4	7	3	6	1	56
Clay	16	7	10	8	6	6	8	5	5	12	6	6	95
Doddridge	7	11	4	3	2	4	7	6	5	6	2	8	65
Fayette	43	32	39	25	38	36	33	46	45	35	19	40	431
Gilmer	4	3	8	2	8	6	6	8	3	5	2	5	60
Grant	12	10	11	13	12	8	14	12	13	7	6	7	125
Greenbrier	22	37	19	36	21	40	32	31	29	24	29	24	344
Hampshire	22	26	22	16	23	22	18	26	24	9	11	18	237
Hancock	17	21	21	21	31	26	22	24	17	15	23	17	255
Hardy	11	7	11	8	18	9	19	11	8	10	7	22	141
Harrison	54	56	45	64	75	45	60	57	76	65	53	45	695
Jackson	22	20	24	32	25	17	26	30	31	20	20	26	293
Jefferson	39	42	36	53	54	37	49	45	50	46	42	57	550
Kanawha	156	118	129	145	133	146	151	153	145	155	143	175	1,749
Lewis	11	20	19	10	20	16	14	14	9	12	19	14	178
Lincoln	11	12	11	18	15	17	21	21	19	21	9	26	201
Logan	35	24	22	33	29	34	41	27	29	28	32	26	360
McDowell	19	15	15	16	14	14	17	16	10	8	13	22	179
Marion	48	42	46	60	52	48	51	67	57	46	46	38	601
Marshall	26	19	23	24	23	21	16	37	24	23	24	23	283
Mason	15	24	16	22	21	16	17	19	21	26	15	19	231
Mercer	51	35	57	38	51	46	48	44	67	45	50	52	584
Mineral	26	9	11	5	23	21	25	30	16	20	32	25	243
Mingo	24	17	25	26	24	19	20	26	23	16	28	30	278
Monongalia	73	69	76	96	109	97	97	99	92	84	81	83	1,056
Monroe	9	7	9	5	9	10	6	9	7	8	11	12	102
Morgan	21	13	15	15	11	7	10	13	14	18	9	9	155
Nicholas	18	15	30	17	14	14	15	27	20	19	8	18	215
Ohio	43	35	27	27	32	23	29	31	30	44	29	26	376
Pendleton	9	6	5	11	6	3	6	11	12	7	4	7	87
Pleasants	5	5	9	8	7	5	6	4	3	12	6	6	76
Pocahontas	4	3	6	8	9	3	2	14	7	5	6	2	69
Preston	17	19	18	27	44	33	34	31	34	23	35	38	353
Putnam	41	45	47	51	35	41	56	53	50	46	40	52	557
Raleigh	46	54	56	67	80	55	74	68	72	67	62	51	752
Randolph	16	22	25	23	16	21	32	33	28	22	24	26	288
Ritchie	7	11	10	4	15	7	12	6	6	4	11	4	97
Roane	6	6	15	5	17	11	13	13	10	11	19	18	144
Summers	12	10	12	3	11	6	5	9	18	4	7	8	105
Taylor	16	11	17	9	19	12	10	12	11	11	12	7	147
Tucker	2	9	4	2	6	5	2	5	5	5	2	9	56
Tyler	5	4	7	5	8	5	6	3	9	2	6	8	68
Upshur	20	19	16	23	18	16	24	17	29	21	19	21	243
Wayne	23	31	46	38	33	29	35	28	31	33	30	36	393
Webster	4	4	7	5	2	5	7	7	7	4	5	12	69
Wetzel	19	11	17	10	16	12	21	15	20	15	13	14	183
Wirt	7	3	3	9	4	4	5	5	7	8	5	5	65
Wood	65	64	57	81	62	58	73	86	66	85	76	65	838
Wyoming	23	14	14	20	20	20	13	23	24	18	24	16	229
Total	1,457	1,313	1,417	1,478	1,627	1,429	1,630	1,687	1,635	1,469	1,440	1,508	18,090

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Place of Delivery, Gender of Child by Race, and Marital Status of Mother by County
West Virginia Resident Births, 2019
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	181	2	89	90	0	0	2	1	85	183
Berkeley	1,427	8	642	605	45	49	52	42	674	1,435
Boone	204	2	106	97	0	0	2	1	113	206
Braxton	116	0	61	51	0	0	2	2	47	116
Brooke	177	0	88	79	2	1	2	5	100	177
Cabell	1,011	5	495	420	40	33	12	16	481	1,016
Calhoun	54	2	23	32	0	0	0	1	29	56
Clay	95	0	47	47	0	0	0	1	53	95
Doddridge	65	0	28	36	0	0	0	1	28	65
Fayette	426	5	204	197	9	9	4	6	220	431
Gilmer	59	1	34	26	0	0	0	0	28	60
Grant	125	0	67	56	1	1	0	0	61	125
Greenbrier	337	7	157	165	2	5	7	7	161	344
Hampshire	230	7	135	95	2	0	3	2	119	237
Hancock	255	0	124	118	2	2	4	5	133	255
Hardy	141	0	60	74	1	2	2	2	72	141
Harrison	694	1	344	322	4	5	13	5	322	695
Jackson	291	2	150	139	0	0	1	3	130	293
Jefferson	541	9	240	255	14	14	13	14	215	550
Kanawha	1,740	9	764	722	70	75	56	59	894	1,749
Lewis	175	3	86	90	0	0	2	0	97	178
Lincoln	198	3	104	95	0	0	1	1	99	201
Logan	360	0	166	182	6	1	2	3	188	360
McDowell	177	2	91	73	6	3	3	2	93	179
Marion	593	8	296	265	3	13	14	10	250	601
Marshall	281	2	137	135	1	0	4	6	157	283
Mason	228	3	111	113	3	2	1	1	102	231
Mercer	580	4	271	251	21	18	11	12	320	584
Mineral	241	2	127	103	4	5	2	2	94	243
Mingo	277	1	137	137	0	1	2	1	127	278
Monongalia	1,048	8	446	472	22	20	37	58	326	1,056
Monroe	96	6	52	48	0	0	1	1	40	102
Morgan	151	4	79	70	0	0	1	5	74	155
Nicholas	213	2	119	90	0	1	3	2	95	215
Ohio	372	4	179	162	10	5	4	16	177	376
Pendleton	83	4	47	38	2	0	0	0	39	87
Pleasants	76	0	28	47	0	0	1	0	35	76
Pocahontas	65	4	34	29	2	0	3	1	26	69
Preston	350	3	184	163	2	0	0	3	160	353
Putnam	553	4	277	245	8	6	10	10	173	557
Raleigh	749	3	346	312	30	27	17	16	375	752
Randolph	286	2	149	127	4	5	2	1	157	288
Ritchie	95	2	44	50	1	0	1	0	39	97
Roane	142	2	65	70	1	0	4	3	62	144
Summers	105	0	46	55	0	1	3	0	46	105
Taylor	147	0	75	66	1	0	2	3	72	147
Tucker	56	0	26	28	1	0	0	1	31	56
Tyler	68	0	28	40	0	0	0	0	37	68
Upshur	242	1	113	123	0	0	2	5	115	243
Wayne	391	2	204	177	1	6	3	2	158	393
Webster	69	0	37	31	0	0	0	1	38	69
Wetzel	180	3	97	82	0	0	0	4	98	183
Wirt	65	0	36	29	0	0	0	0	27	65
Wood	835	3	408	394	4	5	14	12	401	838
Wyoming	228	1	116	108	1	0	3	1	90	229
Total	17,944	146	8,619	8,126	326	315	328	356	8,383	18,090

West Virginia Bureau for Public Health
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*Includes hospitals, en route to hospital and birthing centers.
NOTE: Does NOT include 20 births with mother's unknown race.

Trimester Prenatal Care Began by County
West Virginia Resident Births, 2019
Table 60

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown	Total
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	146	79.8%	23	12.6%	8	4.4%	6	3.3%	0	183
Berkeley	1,127	79.3%	213	15.0%	62	4.4%	20	1.4%	13	1,435
Boone	159	77.2%	25	12.1%	8	3.9%	14	6.8%	0	206
Braxton	93	80.2%	17	14.7%	3	2.6%	3	2.6%	0	116
Brooke	118	70.7%	37	22.2%	10	6.0%	2	1.2%	10	177
Cabell	905	89.6%	82	8.1%	16	1.6%	7	0.7%	6	1,016
Calhoun	38	69.1%	12	21.8%	3	5.5%	2	3.6%	1	56
Clay	69	72.6%	18	18.9%	6	6.3%	2	2.1%	0	95
Doddridge	51	78.5%	10	15.4%	1	1.5%	3	4.6%	0	65
Fayette	328	76.6%	63	14.7%	25	5.8%	12	2.8%	3	431
Gilmer	46	76.7%	10	16.7%	4	6.7%	0	0.0%	0	60
Grant	78	62.4%	36	28.8%	6	4.8%	5	4.0%	0	125
Greenbrier	276	81.2%	33	9.7%	22	6.5%	9	2.6%	4	344
Hampshire	181	76.4%	46	19.4%	8	3.4%	2	0.8%	0	237
Hancock	169	67.9%	67	26.9%	13	5.2%	0	0.0%	6	255
Hardy	95	67.9%	38	27.1%	6	4.3%	1	0.7%	1	141
Harrison	552	79.7%	105	15.2%	25	3.6%	11	1.6%	2	695
Jackson	236	80.8%	41	14.0%	11	3.8%	4	1.4%	1	293
Jefferson	443	82.3%	70	13.0%	20	3.7%	5	0.9%	12	550
Kanawha	1,423	81.6%	215	12.3%	63	3.6%	43	2.5%	5	1,749
Lewis	149	84.2%	19	10.7%	6	3.4%	3	1.7%	1	178
Lincoln	165	82.5%	21	10.5%	7	3.5%	7	3.5%	1	201
Logan	266	74.5%	55	15.4%	22	6.2%	14	3.9%	3	360
McDowell	139	77.7%	28	15.6%	9	5.0%	3	1.7%	0	179
Marion	483	80.4%	75	12.5%	26	4.3%	17	2.8%	0	601
Marshall	215	76.8%	46	16.4%	12	4.3%	7	2.5%	3	283
Mason	185	80.8%	34	14.8%	9	3.9%	1	0.4%	2	231
Mercer	460	79.4%	92	15.9%	15	2.6%	12	2.1%	5	584
Mineral	190	78.8%	38	15.8%	11	4.6%	2	0.8%	2	243
Mingo	210	77.8%	42	15.6%	13	4.8%	5	1.9%	8	278
Monongalia	833	79.1%	169	16.0%	38	3.6%	13	1.2%	3	1,056
Monroe	77	76.2%	13	12.9%	6	5.9%	5	5.0%	1	102
Morgan	119	76.8%	22	14.2%	11	7.1%	3	1.9%	0	155
Nicholas	162	76.1%	34	16.0%	10	4.7%	7	3.3%	2	215
Ohio	302	81.6%	52	14.1%	11	3.0%	5	1.4%	6	376
Pendleton	69	80.2%	12	14.0%	2	2.3%	3	3.5%	1	87
Pleasants	64	85.3%	8	10.7%	3	4.0%	0	0.0%	1	76
Pocahontas	47	70.1%	10	14.9%	8	11.9%	2	3.0%	2	69
Preston	256	73.4%	59	16.9%	21	6.0%	13	3.7%	4	353
Putnam	488	88.1%	45	8.1%	13	2.3%	8	1.4%	3	557
Raleigh	580	77.5%	110	14.7%	43	5.7%	15	2.0%	4	752
Randolph	228	79.2%	39	13.5%	13	4.5%	8	2.8%	0	288
Ritchie	79	81.4%	12	12.4%	5	5.2%	1	1.0%	0	97
Roane	97	67.4%	30	20.8%	12	8.3%	5	3.5%	0	144
Summers	83	79.0%	18	17.1%	3	2.9%	1	1.0%	0	105
Taylor	115	78.2%	28	19.0%	3	2.0%	1	0.7%	0	147
Tucker	44	78.6%	9	16.1%	3	5.4%	0	0.0%	0	56
Tyler	54	79.4%	12	17.6%	2	2.9%	0	0.0%	0	68
Upshur	204	84.0%	27	11.1%	5	2.1%	7	2.9%	0	243
Wayne	342	87.7%	36	9.2%	9	2.3%	3	0.8%	3	393
Webster	53	76.8%	12	17.4%	4	5.8%	0	0.0%	0	69
Wetzel	140	76.9%	30	16.5%	4	2.2%	8	4.4%	1	183
Wirt	55	84.6%	8	12.3%	1	1.5%	1	1.5%	0	65
Wood	686	82.6%	111	13.4%	21	2.5%	13	1.6%	7	838
Wyoming	171	75.0%	34	14.9%	17	7.5%	6	2.6%	1	229
Total	14,343	79.9%	2,551	14.2%	718	4.0%	350	1.9%	128	18,090

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

*Percentages calculated excluding unknown.

Number of Prenatal Visits by County
West Virginia Resident Births, 2019
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	6	3.3%	11	6.0%	54	29.5%	103	56.3%	9	4.9%	0	183
Berkeley	20	1.4%	80	5.6%	368	25.9%	783	55.2%	168	11.8%	16	1,435
Boone	14	6.8%	20	9.7%	66	32.0%	79	38.3%	27	13.1%	0	206
Braxton	3	2.6%	5	4.3%	35	30.2%	60	51.7%	13	11.2%	0	116
Brooke	2	1.2%	14	8.4%	66	39.5%	81	48.5%	4	2.4%	10	177
Cabell	7	0.7%	33	3.3%	222	21.9%	642	63.4%	109	10.8%	3	1,016
Calhoun	2	3.6%	13	23.6%	9	16.4%	30	54.5%	1	1.8%	1	56
Clay	2	2.1%	13	13.7%	37	38.9%	36	37.9%	7	7.4%	0	95
Doddridge	3	4.6%	3	4.6%	13	20.0%	42	64.6%	4	6.2%	0	65
Fayette	12	2.8%	38	8.9%	118	27.6%	170	39.8%	89	20.8%	4	431
Gilmer	0	0.0%	3	5.0%	15	25.0%	39	65.0%	3	5.0%	0	60
Grant	5	4.0%	6	4.8%	21	16.9%	68	54.8%	24	19.4%	1	125
Greenbrier	9	2.7%	26	7.9%	55	16.6%	202	61.0%	39	11.8%	13	344
Hampshire	2	0.8%	12	5.1%	73	30.8%	139	58.6%	11	4.6%	0	237
Hancock	0	0.0%	27	10.8%	95	38.2%	114	45.8%	13	5.2%	6	255
Hardy	1	0.7%	5	3.5%	29	20.6%	85	60.3%	21	14.9%	0	141
Harrison	11	1.6%	45	6.5%	186	26.8%	387	55.8%	65	9.4%	1	695
Jackson	4	1.4%	17	5.8%	90	30.8%	149	51.0%	32	11.0%	1	293
Jefferson	5	0.9%	31	5.7%	154	28.4%	305	56.2%	48	8.8%	7	550
Kanawha	43	2.5%	136	7.8%	539	30.9%	780	44.7%	246	14.1%	5	1,749
Lewis	3	1.7%	8	4.5%	39	22.0%	105	59.3%	22	12.4%	1	178
Lincoln	7	3.5%	15	7.5%	51	25.4%	106	52.7%	22	10.9%	0	201
Logan	14	3.9%	23	6.4%	121	33.8%	142	39.7%	58	16.2%	2	360
McDowell	3	1.7%	11	6.1%	34	19.0%	101	56.4%	30	16.8%	0	179
Marion	18	3.0%	38	6.3%	137	22.8%	345	57.4%	63	10.5%	0	601
Marshall	7	2.5%	14	5.0%	78	27.9%	157	56.1%	24	8.6%	3	283
Mason	1	0.4%	13	5.6%	54	23.4%	125	54.1%	38	16.5%	0	231
Mercer	12	2.1%	33	5.7%	127	21.8%	331	56.9%	79	13.6%	2	584
Mineral	2	0.8%	15	6.2%	97	40.1%	117	48.3%	11	4.5%	1	243
Mingo	5	1.9%	17	6.3%	82	30.5%	136	50.6%	29	10.8%	9	278
Monongalia	13	1.2%	52	4.9%	263	25.0%	637	60.6%	87	8.3%	4	1,056
Monroe	5	5.0%	7	7.0%	27	27.0%	50	50.0%	11	11.0%	2	102
Morgan	3	1.9%	14	9.0%	40	25.8%	82	52.9%	16	10.3%	0	155
Nicholas	7	3.3%	15	7.0%	63	29.6%	92	43.2%	36	16.9%	2	215
Ohio	5	1.4%	18	4.9%	103	27.8%	241	65.1%	3	0.8%	6	376
Pendleton	3	3.5%	4	4.7%	7	8.1%	56	65.1%	16	18.6%	1	87
Pleasants	0	0.0%	0	0.0%	12	16.0%	52	69.3%	11	14.7%	1	76
Pocahontas	2	3.0%	9	13.4%	14	20.9%	35	52.2%	7	10.4%	2	69
Preston	14	4.0%	23	6.6%	90	25.8%	194	55.6%	28	8.0%	4	353
Putnam	8	1.4%	22	4.0%	134	24.1%	285	51.4%	106	19.1%	2	557
Raleigh	17	2.3%	74	9.9%	170	22.7%	317	42.4%	170	22.7%	4	752
Randolph	9	3.1%	22	7.6%	57	19.8%	181	62.8%	19	6.6%	0	288
Ritchie	1	1.0%	5	5.2%	20	20.6%	53	54.6%	18	18.6%	0	97
Roane	5	3.5%	28	19.6%	43	30.1%	58	40.6%	9	6.3%	1	144
Summers	1	1.0%	7	6.7%	26	24.8%	53	50.5%	18	17.1%	0	105
Taylor	1	0.7%	9	6.1%	40	27.2%	90	61.2%	7	4.8%	0	147
Tucker	1	1.8%	4	7.1%	23	41.1%	21	37.5%	7	12.5%	0	56
Tyler	0	0.0%	3	4.4%	23	33.8%	36	52.9%	6	8.8%	0	68
Upshur	7	2.9%	9	3.7%	55	22.6%	156	64.2%	16	6.6%	0	243
Wayne	3	0.8%	8	2.0%	84	21.5%	254	65.0%	42	10.7%	2	393
Webster	0	0.0%	9	13.0%	26	37.7%	31	44.9%	3	4.3%	0	69
Wetzel	8	4.4%	7	3.8%	55	30.2%	100	54.9%	12	6.6%	1	183
Wirt	1	1.5%	3	4.6%	14	21.5%	36	55.4%	11	16.9%	0	65
Wood	14	1.7%	21	2.5%	157	18.9%	521	62.8%	117	14.1%	8	838
Wyoming	6	2.6%	21	9.2%	72	31.6%	96	42.1%	33	14.5%	1	229
Total	357	2.0%	1,119	6.2%	4,683	26.1%	9,686	53.9%	2,118	11.8%	127	18,090

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, 2019

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	29.0	51.4	10.4	18.0	15.8	42.1	3.3	15.8
Berkeley	15.7	39.1	7.7	18.9	13.4	27.2	0.7	16.4
Boone	39.3	44.7	15.5	24.8	16.0	42.2	2.4	17.0
Braxton	22.4	48.3	11.2	18.1	15.5	41.4	3.5	14.9
Brooke	22.9	39.0	6.2	22.6	13.6	55.4	1.7	18.6
Cabell	21.3	48.8	8.8	19.2	14.1	40.9	0.6	17.5
Calhoun	37.5	35.7	16.1	17.9	10.7	26.8	5.4	17.9
Clay	37.6	53.7	21.1	27.4	17.9	40.0	4.2	20.0
Doddridge	30.8	49.2	7.7	12.3	12.3	24.6	1.6	21.5
Fayette	32.1	51.5	11.8	20.2	11.1	44.5	6.3	16.5
Gilmer	20.0	31.7	6.7	18.3	18.3	45.0	3.4	10.2
Grant	24.8	38.4	0.0	17.6	23.2	28.0	0.8	6.4
Greenbrier	27.0	30.8	4.4	18.3	11.6	15.1	1.2	5.5
Hampshire	23.2	31.2	0.8	14.8	13.9	21.5	0.4	9.7
Hancock	23.5	39.2	6.7	22.0	13.7	49.0	1.6	16.1
Hardy	14.9	38.3	0.0	23.4	18.4	21.3	0.7	7.8
Harrison	23.5	46.8	11.2	17.1	14.7	29.6	1.4	20.7
Jackson	24.7	49.1	12.3	21.8	17.1	34.8	1.7	14.8
Jefferson	14.4	42.0	3.8	19.5	13.6	33.5	0.7	14.7
Kanawha	22.5	48.9	13.2	22.2	18.2	37.9	2.4	13.6
Lewis	33.1	43.8	6.7	16.9	16.9	38.8	0.6	10.7
Lincoln	31.3	48.8	10.4	18.9	15.9	32.3	0.0	15.9
Logan	34.7	38.9	7.8	31.1	12.8	34.4	1.4	15.6
McDowell	31.3	35.2	6.7	24.6	13.4	32.4	2.2	12.3
Marion	23.0	49.8	11.5	18.1	15.6	34.6	1.7	19.6
Marshall	27.9	26.9	7.1	33.6	8.8	53.0	2.5	19.1
Mason	26.4	44.2	3.5	13.9	14.7	39.8	0.9	14.7
Mercer	25.0	37.5	5.1	18.2	14.4	40.2	1.9	15.4
Mineral	17.3	32.9	0.4	19.3	11.9	32.1	1.2	10.3
Mingo	31.0	42.4	4.7	25.9	17.3	32.7	1.1	11.9
Monongalia	12.7	40.7	5.1	17.0	12.4	42.5	1.9	16.3
Monroe	20.6	30.4	2.9	14.7	13.7	27.5	0.0	10.8
Morgan	26.5	32.9	5.8	17.4	11.0	23.9	0.6	16.8
Nicholas	28.8	64.7	12.1	20.9	19.5	47.0	5.6	15.3
Ohio	23.1	25.3	5.9	27.7	8.2	50.8	0.3	16.2
Pendleton	9.2	31.0	2.3	24.1	10.3	24.1	1.1	6.9
Pleasants	11.8	35.5	5.3	22.4	14.5	22.4	0.0	14.9
Pocahontas	27.5	37.7	10.1	11.6	13.0	33.3	0.0	13.0
Preston	25.5	39.8	3.4	22.9	10.2	40.2	0.9	16.7
Putnam	17.0	50.4	7.2	18.7	17.2	36.8	1.1	14.4
Raleigh	24.9	56.3	12.8	16.1	15.4	52.0	7.9	15.2
Randolph	29.5	45.1	10.1	20.1	11.8	48.6	1.1	11.5
Ritchie	19.6	37.1	10.3	17.5	18.6	24.7	0.0	16.7
Roane	30.6	46.9	11.9	18.8	19.4	41.7	2.8	14.7
Summers	25.7	43.8	6.7	16.2	13.3	36.2	2.9	13.3
Taylor	24.5	49.0	6.1	15.0	17.0	38.8	0.0	13.6
Tucker	17.9	53.6	3.6	10.7	25.0	48.2	5.4	14.3
Tyler	27.9	29.4	7.4	20.6	16.2	36.8	0.0	17.6
Upshur	26.9	38.7	10.3	9.9	8.6	40.3	1.7	13.6
Wayne	18.6	48.3	6.1	18.8	15.3	44.3	1.6	20.6
Webster	37.7	56.5	7.2	11.6	21.7	56.5	2.9	29.0
Wetzel	28.6	41.0	11.5	24.0	12.0	40.4	0.5	21.9
Wirt	18.5	40.0	4.6	21.5	21.5	38.5	0.0	15.6
Wood	22.3	43.1	12.2	16.5	20.6	26.6	0.6	18.0
Wyoming	27.9	52.4	8.3	24.0	17.5	47.2	5.7	13.1
Total	23.0	43.7	8.5	19.7	14.8	37.3	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, 2019
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	1	0	0	0	0	200
Berkeley	1,017	70	2	7	1	0	1,097
Boone	326	0	0	1	0	0	327
Braxton	179	1	0	0	0	0	180
Brooke	327	4	0	2	1	0	334
Cabell	1,234	69	1	2	2	0	1,308
Calhoun	95	0	0	0	0	0	95
Clay	123	1	0	0	0	0	124
Doddridge	68	0	0	0	0	0	68
Fayette	625	27	1	3	0	0	656
Gilmer	88	1	0	0	0	0	89
Grant	164	2	0	1	0	0	167
Greenbrier	538	17	0	1	1	0	557
Hampshire	289	3	0	0	0	0	292
Hancock	412	11	0	1	1	0	425
Hardy	141	6	0	0	0	0	147
Harrison	911	10	0	0	0	0	921
Jackson	345	0	0	0	0	0	345
Jefferson	456	32	0	6	1	1	496
Kanawha	2,327	166	3	7	8	2	2,513
Lewis	229	2	0	0	1	0	232
Lincoln	318	1	0	0	0	0	319
Logan	534	13	0	1	0	0	548
McDowell	293	23	0	1	0	0	317
Marion	693	18	0	0	0	0	711
Marshall	408	2	0	1	1	0	412
Mason	386	3	1	0	0	0	390
Mercer	828	51	0	1	0	0	880
Mineral	319	10	0	0	0	0	329
Mingo	372	7	0	1	0	0	380
Monongalia	685	14	0	6	1	0	706
Monroe	184	1	0	0	0	0	185
Morgan	228	1	0	0	0	0	229
Nicholas	350	1	0	0	0	0	351
Ohio	601	10	0	2	0	0	613
Pendleton	102	1	1	0	0	0	104
Pleasants	102	1	0	0	0	0	103
Pocahontas	115	0	0	0	0	0	115
Preston	354	3	1	0	0	0	358
Putnam	648	5	1	1	1	0	656
Raleigh	1,067	66	0	6	2	0	1,141
Randolph	379	2	0	2	0	0	383
Ritchie	112	0	0	0	1	0	113
Roane	191	2	0	0	0	0	193
Summers	173	5	0	0	2	0	180
Taylor	189	1	0	0	0	0	190
Tucker	111	0	0	0	0	0	111
Tyler	113	1	0	1	0	0	115
Upshur	258	0	0	0	0	0	258
Wayne	522	1	0	0	0	0	523
Webster	124	0	0	0	0	0	124
Wetzel	221	0	0	0	0	0	221
Wirt	57	0	0	0	0	0	57
Wood	1,096	12	1	2	1	0	1,112
Wyoming	287	2	1	0	1	0	291
Total	22,513	680	13	56	26	3	23,291

West Virginia Bureau for Public Health
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Number of Male Deaths by Race and County of Residence
West Virginia, 2019
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	109	1	0	0	0	0	110
Berkeley	575	41	1	3	1	0	621
Boone	170	0	0	0	0	0	170
Braxton	81	1	0	0	0	0	82
Brooke	154	3	0	0	1	0	158
Cabell	635	35	1	2	2	0	675
Calhoun	55	0	0	0	0	0	55
Clay	66	1	0	0	0	0	67
Doddridge	40	0	0	0	0	0	40
Fayette	311	11	1	0	0	0	323
Gilmer	38	1	0	0	0	0	39
Grant	75	2	0	0	0	0	77
Greenbrier	267	11	0	1	0	0	279
Hampshire	155	1	0	0	0	0	156
Hancock	210	5	0	0	0	0	215
Hardy	88	2	0	0	0	0	90
Harrison	469	7	0	0	0	0	476
Jackson	179	0	0	0	0	0	179
Jefferson	225	18	0	3	1	0	247
Kanawha	1,216	101	3	3	7	2	1,332
Lewis	131	1	0	0	1	0	133
Lincoln	178	1	0	0	0	0	179
Logan	282	8	0	1	0	0	291
McDowell	157	12	0	0	0	0	169
Marion	326	9	0	0	0	0	335
Marshall	209	0	0	1	0	0	210
Mason	207	2	0	0	0	0	209
Mercer	432	25	0	1	0	0	458
Mineral	169	4	0	0	0	0	173
Mingo	199	3	0	1	0	0	203
Monongalia	351	9	0	2	1	0	363
Monroe	101	1	0	0	0	0	102
Morgan	127	1	0	0	0	0	128
Nicholas	183	0	0	0	0	0	183
Ohio	283	4	0	0	0	0	287
Pendleton	61	1	0	0	0	0	62
Pleasants	54	1	0	0	0	0	55
Pocahontas	59	0	0	0	0	0	59
Preston	179	2	1	0	0	0	182
Putnam	326	2	1	0	1	0	330
Raleigh	549	37	0	5	2	0	593
Randolph	190	2	0	1	0	0	193
Ritchie	63	0	0	0	1	0	64
Roane	107	1	0	0	0	0	108
Summers	91	1	0	0	1	0	93
Taylor	100	1	0	0	0	0	101
Tucker	60	0	0	0	0	0	60
Tyler	69	0	0	0	0	0	69
Upshur	136	0	0	0	0	0	136
Wayne	280	1	0	0	0	0	281
Webster	65	0	0	0	0	0	65
Wetzel	115	0	0	0	0	0	115
Wirt	29	0	0	0	0	0	29
Wood	548	5	0	0	1	0	554
Wyoming	142	1	1	0	0	0	144
Total	11,676	376	9	24	20	2	12,107

West Virginia Bureau for Public Health
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Number of Female Deaths by Race and County of Residence
West Virginia, 2019
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	90	0	0	0	0	0	90
Berkeley	442	29	1	4	0	0	476
Boone	156	0	0	1	0	0	157
Braxton	98	0	0	0	0	0	98
Brooke	173	1	0	2	0	0	176
Cabell	599	34	0	0	0	0	633
Calhoun	40	0	0	0	0	0	40
Clay	57	0	0	0	0	0	57
Doddridge	28	0	0	0	0	0	28
Fayette	314	16	0	3	0	0	333
Gilmer	50	0	0	0	0	0	50
Grant	89	0	0	1	0	0	90
Greenbrier	271	6	0	0	1	0	278
Hampshire	134	2	0	0	0	0	136
Hancock	202	6	0	1	1	0	210
Hardy	53	4	0	0	0	0	57
Harrison	442	3	0	0	0	0	445
Jackson	166	0	0	0	0	0	166
Jefferson	231	14	0	3	0	1	249
Kanawha	1,111	65	0	4	1	0	1,181
Lewis	98	1	0	0	0	0	99
Lincoln	140	0	0	0	0	0	140
Logan	252	5	0	0	0	0	257
McDowell	136	11	0	1	0	0	148
Marion	367	9	0	0	0	0	376
Marshall	199	2	0	0	1	0	202
Mason	179	1	1	0	0	0	181
Mercer	396	26	0	0	0	0	422
Mineral	150	6	0	0	0	0	156
Mingo	173	4	0	0	0	0	177
Monongalia	334	5	0	4	0	0	343
Monroe	83	0	0	0	0	0	83
Morgan	101	0	0	0	0	0	101
Nicholas	167	1	0	0	0	0	168
Ohio	318	6	0	2	0	0	326
Pendleton	41	0	1	0	0	0	42
Pleasants	48	0	0	0	0	0	48
Pocahontas	56	0	0	0	0	0	56
Preston	175	1	0	0	0	0	176
Putnam	322	3	0	1	0	0	326
Raleigh	518	29	0	1	0	0	548
Randolph	189	0	0	1	0	0	190
Ritchie	49	0	0	0	0	0	49
Roane	84	1	0	0	0	0	85
Summers	82	4	0	0	1	0	87
Taylor	89	0	0	0	0	0	89
Tucker	51	0	0	0	0	0	51
Tyler	44	1	0	1	0	0	46
Upshur	122	0	0	0	0	0	122
Wayne	242	0	0	0	0	0	242
Webster	59	0	0	0	0	0	59
Wetzel	106	0	0	0	0	0	106
Wirt	28	0	0	0	0	0	28
Wood	548	7	1	2	0	0	558
Wyoming	145	1	0	0	1	0	147
Total	10,837	304	4	32	6	1	11,184

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Number of Deaths by County of Residence and Occurrence
West Virginia, 2019
Table 66

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	200	127	Monongalia	706	1,912
Berkeley	1,097	920	Monroe	185	102
Boone	327	183	Morgan	229	150
Braxton	180	122	Nicholas	351	198
Brooke	334	408	Ohio	613	1,117
Cabell	1,308	2,276	Pendleton	104	58
Calhoun	95	51	Pleasants	103	79
Clay	124	70	Pocahontas	115	78
Doddridge	68	37	Preston	358	238
Fayette	656	370	Putnam	656	402
Gilmer	89	52	Raleigh	1,141	1,435
Grant	167	163	Randolph	383	343
Greenbrier	557	511	Ritchie	113	81
Hampshire	292	203	Roane	193	122
Hancock	425	181	Summers	180	130
Hardy	147	94	Taylor	190	135
Harrison	921	1,091	Tucker	111	81
Jackson	345	215	Tyler	115	86
Jefferson	496	569	Upshur	258	186
Kanawha	2,513	3,386	Wayne	523	223
Lewis	232	158	Webster	124	73
Lincoln	319	135	Wetzel	221	149
Logan	548	475	Wirt	57	26
McDowell	317	195	Wood	1,112	1,145
Marion	711	515	Wyoming	291	121
Marshall	412	244			
Mason	390	249			
Mercer	880	844	Total	23,291	22,914
Mineral	329	208			
Mingo	380	192			

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Resident deaths include 2,140 West Virginians dying out of state.

Method of Disposition by County of Residence
West Virginia Deaths, 2019
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	119	59.5%	70	35.0%	1	0.5%	10	5.0%	0	200
Berkeley	381	34.7%	597	54.4%	73	6.7%	46	4.2%	0	1,097
Boone	210	64.2%	105	32.1%	0	0.0%	12	3.7%	0	327
Braxton	107	59.4%	68	37.8%	2	1.1%	3	1.7%	0	180
Brooke	118	35.3%	127	38.0%	68	20.4%	21	6.3%	0	334
Cabell	688	52.6%	504	38.5%	33	2.5%	83	6.3%	0	1,308
Calhoun	46	48.4%	42	44.2%	3	3.2%	4	4.2%	0	95
Clay	74	59.7%	46	37.1%	1	0.8%	3	2.4%	0	124
Doddridge	36	52.9%	29	42.6%	2	2.9%	1	1.5%	0	68
Fayette	363	55.3%	224	34.1%	12	1.8%	57	8.7%	0	656
Gilmer	49	55.1%	34	38.2%	1	1.1%	5	5.6%	0	89
Grant	107	64.1%	44	26.3%	11	6.6%	5	3.0%	0	167
Greenbrier	270	48.5%	194	34.8%	49	8.8%	44	7.9%	0	557
Hampshire	91	31.2%	135	46.2%	55	18.8%	11	3.8%	0	292
Hancock	135	31.8%	143	33.6%	126	29.6%	21	4.9%	0	425
Hardy	69	46.9%	51	34.7%	22	15.0%	5	3.4%	0	147
Harrison	482	52.3%	360	39.1%	13	1.4%	66	7.2%	0	921
Jackson	211	61.2%	105	30.4%	16	4.6%	13	3.8%	0	345
Jefferson	148	29.8%	277	55.8%	51	10.3%	20	4.0%	0	496
Kanawha	1,134	45.1%	1,138	45.3%	32	1.3%	209	8.3%	0	2,513
Lewis	127	54.7%	96	41.4%	4	1.7%	5	2.2%	0	232
Lincoln	227	71.2%	82	25.7%	2	0.6%	8	2.5%	0	319
Logan	323	58.9%	194	35.4%	11	2.0%	20	3.6%	0	548
McDowell	197	62.1%	82	25.9%	30	9.5%	8	2.5%	0	317
Marion	370	52.0%	277	39.0%	10	1.4%	54	7.6%	0	711
Marshall	191	46.4%	182	44.2%	24	5.8%	15	3.6%	0	412
Mason	207	53.1%	125	32.1%	53	13.6%	5	1.3%	0	390
Mercer	454	51.6%	309	35.1%	73	8.3%	44	5.0%	0	880
Mineral	179	54.4%	128	38.9%	9	2.7%	13	4.0%	0	329
Mingo	259	68.3%	110	29.0%	6	1.6%	4	1.1%	1	380
Monongalia	323	45.8%	324	45.9%	15	2.1%	44	6.2%	0	706
Monroe	109	58.9%	45	24.3%	24	13.0%	7	3.8%	0	185
Morgan	76	33.2%	121	52.8%	23	10.0%	9	3.9%	0	229
Nicholas	209	59.5%	128	36.5%	7	2.0%	7	2.0%	0	351
Ohio	246	40.1%	291	47.5%	32	5.2%	44	7.2%	0	613
Pendleton	55	52.9%	33	31.7%	14	13.5%	2	1.9%	0	104
Pleasants	51	49.5%	39	37.9%	11	10.7%	2	1.9%	0	103
Pocahontas	54	47.0%	56	48.7%	4	3.5%	1	0.9%	0	115
Preston	171	47.8%	168	46.9%	6	1.7%	13	3.6%	0	358
Putnam	334	50.9%	251	38.3%	11	1.7%	60	9.1%	0	656
Raleigh	592	51.9%	433	37.9%	20	1.8%	96	8.4%	0	1,141
Randolph	224	58.5%	146	38.1%	3	0.8%	10	2.6%	0	383
Ritchie	64	56.6%	45	39.8%	3	2.7%	1	0.9%	0	113
Roane	99	51.3%	92	47.7%	0	0.0%	2	1.0%	0	193
Summers	107	59.4%	60	33.3%	4	2.2%	9	5.0%	0	180
Taylor	100	52.6%	81	42.6%	6	3.2%	3	1.6%	0	190
Tucker	61	55.0%	48	43.2%	0	0.0%	2	1.8%	0	111
Tyler	57	49.6%	44	38.3%	10	8.7%	4	3.5%	0	115
Upshur	147	57.0%	95	36.8%	5	1.9%	11	4.3%	0	258
Wayne	346	66.2%	149	28.5%	18	3.4%	10	1.9%	0	523
Webster	70	56.5%	49	39.5%	3	2.4%	2	1.6%	0	124
Wetzel	134	60.6%	75	33.9%	9	4.1%	3	1.4%	0	221
Wirt	29	50.9%	24	42.1%	3	5.3%	1	1.8%	0	57
Wood	488	43.9%	449	40.4%	94	8.5%	81	7.3%	0	1,112
Wyoming	200	68.7%	84	28.9%	3	1.0%	4	1.4%	0	291
Total	11,718	50.3%	9,208	39.5%	1,121	4.8%	1,243	5.3%	1	23,291

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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, 2019
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	77	60.6%	45	35.4%	0	0.0%	5	3.9%	0	127
Berkeley	345	37.5%	526	57.2%	7	0.8%	42	4.6%	0	920
Boone	131	71.6%	46	25.1%	0	0.0%	6	3.3%	0	183
Braxton	80	65.6%	39	32.0%	1	0.8%	2	1.6%	0	122
Brooke	171	41.9%	202	49.5%	7	1.7%	28	6.9%	0	408
Cabell	1,326	58.3%	820	36.0%	29	1.3%	101	4.4%	0	2,276
Calhoun	24	47.1%	25	49.0%	1	2.0%	1	2.0%	0	51
Clay	40	57.1%	28	40.0%	0	0.0%	2	2.9%	0	70
Doddridge	24	64.9%	13	35.1%	0	0.0%	0	0.0%	0	37
Fayette	207	55.9%	126	34.1%	1	0.3%	36	9.7%	0	370
Gilmer	31	59.6%	19	36.5%	0	0.0%	2	3.8%	0	52
Grant	114	69.9%	45	27.6%	1	0.6%	3	1.8%	0	163
Greenbrier	274	53.6%	191	37.4%	0	0.0%	46	9.0%	0	511
Hampshire	80	39.4%	112	55.2%	0	0.0%	11	5.4%	0	203
Hancock	92	50.8%	73	40.3%	1	0.6%	15	8.3%	0	181
Hardy	48	51.1%	42	44.7%	0	0.0%	4	4.3%	0	94
Harrison	592	54.3%	428	39.2%	3	0.3%	68	6.2%	0	1,091
Jackson	140	65.1%	65	30.2%	2	0.9%	8	3.7%	0	215
Jefferson	203	35.7%	340	59.8%	3	0.5%	23	4.0%	0	569
Kanawha	1,643	48.5%	1,469	43.4%	13	0.4%	261	7.7%	0	3,386
Lewis	83	52.5%	72	45.6%	0	0.0%	3	1.9%	0	158
Lincoln	101	74.8%	32	23.7%	0	0.0%	2	1.5%	0	135
Logan	294	61.9%	167	35.2%	0	0.0%	14	2.9%	0	475
McDowell	130	66.7%	60	30.8%	0	0.0%	5	2.6%	0	195
Marion	282	54.8%	195	37.9%	1	0.2%	37	7.2%	0	515
Marshall	119	48.8%	113	46.3%	1	0.4%	11	4.5%	0	244
Mason	158	63.5%	84	33.7%	1	0.4%	6	2.4%	0	249
Mercer	502	59.5%	293	34.7%	4	0.5%	45	5.3%	0	844
Mineral	116	55.8%	82	39.4%	0	0.0%	10	4.8%	0	208
Mingo	139	72.8%	52	27.2%	0	0.0%	0	0.0%	1	192
Monongalia	945	49.4%	858	44.9%	19	1.0%	90	4.7%	0	1,912
Monroe	74	72.5%	24	23.5%	0	0.0%	4	3.9%	0	102
Morgan	60	40.0%	85	56.7%	0	0.0%	5	3.3%	0	150
Nicholas	118	59.9%	72	36.5%	2	1.0%	5	2.5%	1	198
Ohio	521	46.7%	522	46.8%	10	0.9%	63	5.6%	1	1,117
Pendleton	41	70.7%	16	27.6%	0	0.0%	1	1.7%	0	58
Pleasants	46	58.2%	31	39.2%	0	0.0%	2	2.5%	0	79
Pocahontas	46	59.0%	31	39.7%	0	0.0%	1	1.3%	0	78
Preston	119	50.0%	108	45.4%	2	0.8%	9	3.8%	0	238
Putnam	219	54.5%	145	36.1%	2	0.5%	36	9.0%	0	402
Raleigh	799	55.7%	519	36.2%	1	0.1%	116	8.1%	0	1,435
Randolph	192	56.0%	136	39.7%	2	0.6%	13	3.8%	0	343
Ritchie	45	55.6%	34	42.0%	2	2.5%	0	0.0%	0	81
Roane	64	52.5%	55	45.1%	0	0.0%	3	2.5%	0	122
Summers	75	57.7%	46	35.4%	2	1.5%	7	5.4%	0	130
Taylor	81	60.0%	52	38.5%	1	0.7%	1	0.7%	0	135
Tucker	38	46.9%	39	48.1%	1	1.2%	3	3.7%	0	81
Tyler	45	52.3%	39	45.3%	0	0.0%	2	2.3%	0	86
Upshur	111	59.7%	67	36.0%	0	0.0%	8	4.3%	0	186
Wayne	148	66.4%	69	30.9%	3	1.3%	3	1.3%	0	223
Webster	38	52.1%	34	46.6%	0	0.0%	1	1.4%	0	73
Wetzel	93	62.4%	52	34.9%	1	0.7%	3	2.0%	0	149
Wirt	12	46.2%	14	53.8%	0	0.0%	0	0.0%	0	26
Wood	563	49.2%	493	43.1%	3	0.3%	86	7.5%	0	1,145
Wyoming	87	71.9%	34	28.1%	0	0.0%	0	0.0%	0	121
Total	12,146	53.0%	9,379	40.9%	127	0.6%	1,259	5.5%	3	22,914

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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, 2015-2019
Table 68

County	2015	2016	2017	2018	2019	County	2015	2016	2017	2018	2019
Barbour	198	192	182	199	200	Monongalia	709	729	723	732	706
Berkeley	984	1,050	1,051	1,102	1,097	Monroe	177	160	169	194	185
Boone	342	299	338	326	327	Morgan	206	242	238	231	229
Braxton	177	179	178	198	180	Nicholas	322	336	358	317	351
Brooke	342	391	291	307	334	Ohio	577	576	557	571	613
Cabell	1,228	1,267	1,359	1,338	1,308	Pendleton	93	95	96	98	104
Calhoun	95	79	98	109	95	Pleasants	90	94	101	97	103
Clay	109	123	118	136	124	Pocahontas	107	95	103	107	115
Doddridge	86	85	83	77	68	Preston	381	367	395	387	358
Fayette	649	660	650	626	656	Putnam	568	625	631	603	656
Gilmer	84	90	81	92	89	Raleigh	1,088	1,049	1,029	1,099	1,141
Grant	136	133	120	146	167	Randolph	374	366	355	353	383
Greenbrier	496	478	500	503	557	Ritchie	126	108	133	133	113
Hampshire	279	254	289	246	292	Roane	191	216	208	236	193
Hancock	394	403	466	443	425	Summers	207	185	232	183	180
Hardy	169	170	137	170	147	Taylor	214	203	191	208	190
Harrison	848	851	881	868	921	Tucker	85	95	76	98	111
Jackson	364	348	393	384	345	Tyler	114	123	105	117	115
Jefferson	444	488	540	500	496	Upshur	256	308	293	254	258
Kanawha	2,523	2,520	2,598	2,678	2,513	Wayne	524	506	554	534	523
Lewis	241	233	247	251	232	Webster	133	117	129	126	124
Lincoln	259	276	277	311	319	Wetzel	210	196	251	235	221
Logan	572	539	572	555	548	Wirt	66	56	67	64	57
McDowell	348	337	294	372	317	Wood	1,068	1,108	1,094	1,138	1,112
Marion	714	708	705	743	711	Wyoming	343	313	344	317	291
Marshall	403	432	411	398	412						
Mason	366	343	346	374	390						
Mercer	887	846	950	892	880	Total	22,643	22,721	23,290	23,462	23,291
Mineral	344	339	332	340	329						
Mingo	333	340	371	346	380						

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Age at Death by County of Residence
West Virginia, 2019
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	200	0	0	0	0	1	1	7	3	11	26	48	54	49	72.4
Berkeley	1,097	8	2	1	0	9	8	40	34	78	202	265	236	214	68.8
Boone	327	3	0	0	0	1	2	4	14	18	49	96	79	61	70.3
Braxton	180	1	0	0	0	0	1	5	5	11	20	46	52	39	72.3
Brooke	334	3	0	0	2	0	1	1	5	14	35	74	99	100	75.4
Cabell	1,308	7	1	0	0	3	11	52	53	90	172	253	311	355	71.3
Calhoun	95	1	0	0	0	0	1	1	2	5	12	17	35	21	73.4
Clay	124	2	1	2	0	0	0	3	3	4	22	23	36	28	70.8
Doddridge	68	3	0	0	0	0	0	1	2	4	9	18	19	12	69.1
Fayette	656	1	0	1	0	1	5	9	30	37	102	164	158	148	71.3
Gilmer	89	1	0	0	0	0	0	2	3	3	10	23	24	23	73.6
Grant	167	0	0	0	0	0	0	2	3	8	18	35	45	56	76.4
Greenbrier	557	0	1	0	0	3	2	7	16	30	74	110	155	159	74.1
Hampshire	292	0	1	0	0	2	3	7	14	18	35	62	67	83	72.0
Hancock	425	2	0	0	0	1	3	11	8	20	54	81	108	137	74.7
Hardy	147	0	1	0	0	1	1	4	7	5	8	40	38	42	73.6
Harrison	921	2	2	2	0	0	7	14	28	62	149	180	214	261	72.9
Jackson	345	1	1	0	1	1	1	4	10	9	55	71	102	89	73.7
Jefferson	496	1	0	0	0	1	0	15	19	34	81	111	118	116	71.4
Kanawha	2,513	17	2	2	3	6	14	71	92	157	393	512	575	669	71.6
Lewis	232	2	0	0	0	0	0	6	4	11	34	55	57	63	73.2
Lincoln	319	2	0	0	1	1	2	7	21	25	54	70	82	54	68.5
Logan	548	2	0	0	0	3	3	9	26	55	93	148	117	92	68.8
McDowell	317	0	0	0	0	1	2	5	13	34	57	78	75	52	69.2
Marion	711	2	1	0	1	2	1	10	27	31	92	129	186	229	74.9
Marshall	412	5	0	0	1	2	0	4	10	24	56	88	106	116	73.2
Mason	390	1	1	0	1	0	3	8	16	23	50	85	108	94	71.8
Mercer	880	9	0	0	0	2	7	15	31	57	110	202	246	201	71.8
Mineral	329	0	1	0	0	4	1	10	8	16	28	67	97	97	73.9
Mingo	380	1	0	0	0	3	2	6	26	34	60	105	77	66	68.6
Monongalia	706	4	0	1	0	2	6	26	21	51	96	120	168	211	72.3
Monroe	185	1	0	0	0	0	0	1	4	11	22	38	55	53	75.2
Morgan	229	2	1	0	0	2	1	4	5	12	26	43	67	66	73.5
Nicholas	351	2	1	0	1	0	3	13	14	21	47	78	99	72	70.5
Ohio	613	0	1	0	0	1	2	11	17	31	76	124	143	207	75.2
Pendleton	104	0	1	0	0	0	1	1	0	2	13	17	33	36	77.2
Pleasants	103	0	0	0	0	0	0	0	2	3	15	16	32	35	77.3
Pocahontas	115	0	1	0	1	0	0	0	5	8	18	24	26	32	73.2
Preston	358	0	0	0	1	2	2	10	10	23	48	85	86	91	72.1
Putnam	656	4	1	0	1	2	5	15	12	31	90	137	181	177	73.2
Raleigh	1,141	3	0	0	1	3	8	36	65	84	149	246	261	285	70.7
Randolph	383	2	0	0	0	1	1	6	7	16	58	84	111	97	73.8
Ritchie	113	0	0	0	0	0	1	2	4	5	21	16	31	33	73.6
Roane	193	3	0	0	0	1	2	3	6	7	29	44	53	45	71.6
Summers	180	1	0	1	1	1	1	0	3	11	22	45	43	51	73.5
Taylor	190	0	0	0	0	1	1	5	5	9	23	42	55	49	73.4
Tucker	111	0	0	0	0	0	1	1	3	6	15	19	36	30	74.2
Tyler	115	0	0	0	0	3	1	3	5	4	19	24	27	29	71.0
Upshur	258	0	0	0	0	1	0	7	5	12	35	59	77	62	73.7
Wayne	523	4	0	0	0	4	1	10	20	36	83	102	142	121	71.2
Webster	124	1	0	0	0	0	1	1	3	10	16	25	41	26	72.5
Wetzel	221	1	0	0	0	0	1	1	4	13	26	44	61	70	75.3
Wirt	57	1	0	0	0	0	1	0	4	3	12	7	19	10	69.3
Wood	1,112	6	0	0	1	0	8	12	43	75	162	211	314	280	72.6
Wyoming	291	0	0	0	0	0	1	10	11	22	47	79	66	55	70.2
Total	23,291	112	21	10	17	72	131	518	811	1,434	3,328	4,985	5,903	5,949	72.1

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Place Death Occurred by County of Residence
West Virginia, 2019
Table 70

County	Place Death Occurred											Total
	WV Hospital	Out-of-State Hospital	En Route to Hospital	Clinic or Center	Licensed Nursin	Other Personal Care	Home	Hospice Care	Named Place or Address	Doctor's Office	Un-known	
Barbour	58	2	1	0	45	12	81	1	0	0	0	200
Berkeley	270	90	2	0	135	64	350	186	0	0	0	1,097
Boone	112	9	0	0	27	21	104	54	0	0	0	327
Braxton	75	2	1	0	26	11	58	7	0	0	0	180
Brooke	87	52	0	0	71	7	90	27	0	0	0	334
Cabell	398	28	2	0	219	74	384	203	0	0	0	1,308
Calhoun	40	7	1	0	8	3	33	3	0	0	0	95
Clay	33	1	0	0	16	8	45	21	0	0	0	124
Doddridge	20	5	0	0	8	0	35	0	0	0	0	68
Fayette	243	17	3	0	60	34	149	150	0	0	0	656
Gilmer	32	2	0	0	23	8	22	2	0	0	0	89
Grant	43	17	0	0	46	6	53	2	0	0	0	167
Greenbrier	134	48	3	0	115	17	107	133	0	0	0	557
Hampshire	29	65	1	0	43	28	118	8	0	0	0	292
Hancock	91	105	1	0	79	16	96	37	0	0	0	425
Hardy	20	20	0	0	31	12	62	2	0	0	0	147
Harrison	335	15	2	0	182	42	339	6	0	0	0	921
Jackson	107	11	1	0	70	11	106	39	0	0	0	345
Jefferson	79	82	1	0	67	19	156	92	0	0	0	496
Kanawha	773	42	3	0	289	117	643	646	0	0	0	2,513
Lewis	101	4	3	0	46	14	62	2	0	0	0	232
Lincoln	117	7	0	0	27	23	100	45	0	0	0	319
Logan	198	40	2	0	52	28	172	56	0	0	0	548
McDowell	89	45	0	0	37	24	114	8	0	0	0	317
Marion	251	14	1	0	156	37	246	6	0	0	0	711
Marshall	150	19	4	0	81	17	104	37	0	0	0	412
Mason	105	39	1	0	57	19	145	24	0	0	0	390
Mercer	305	75	5	0	142	52	271	30	0	0	0	880
Mineral	63	54	2	0	77	18	109	6	0	0	0	329
Mingo	79	106	4	0	24	25	130	12	0	0	0	380
Monongalia	234	15	0	0	143	32	277	5	0	0	0	706
Monroe	23	24	0	0	48	10	58	22	0	0	0	185
Morgan	33	35	1	0	36	17	84	23	0	0	0	229
Nicholas	137	9	2	0	42	28	89	44	0	0	0	351
Ohio	183	24	1	0	158	23	160	64	0	0	0	613
Pendleton	14	20	1	0	27	6	35	1	0	0	0	104
Pleasants	27	11	0	0	19	10	36	0	0	0	0	103
Pocahontas	40	8	2	0	24	6	30	5	0	0	0	115
Preston	121	17	2	0	58	18	139	3	0	0	0	358
Putnam	185	14	0	0	103	34	154	166	0	0	0	656
Raleigh	399	17	0	0	117	53	265	290	0	0	0	1,141
Randolph	131	4	2	0	98	15	127	6	0	0	0	383
Ritchie	28	2	0	0	26	10	46	1	0	0	0	113
Roane	74	3	0	0	22	13	63	18	0	0	0	193
Summers	46	3	2	0	48	6	49	26	0	0	0	180
Taylor	63	5	0	0	44	13	65	0	0	0	0	190
Tucker	22	8	0	0	34	9	35	3	0	0	0	111
Tyler	44	9	0	0	13	6	40	3	0	0	0	115
Upshur	83	6	2	0	46	10	110	1	0	0	0	258
Wayne	175	36	0	0	52	31	150	79	0	0	0	523
Webster	49	3	1	0	19	7	38	7	0	0	0	124
Wetzel	74	12	2	0	46	6	74	7	0	0	0	221
Wirt	20	2	0	0	7	3	25	0	0	0	0	57
Wood	395	97	2	0	226	43	346	3	0	0	0	1,112
Wyoming	95	11	0	0	30	13	95	47	0	0	0	291
Total	7,132	1,418	64	0	3,745	1,189	7,074	2,669	0	0	0	23,291

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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, 2019

Table 71

County	Unintentional	Intentional			Undetermined	Total
		Suicide	Assault	Legal Intervention		
Barbour	0	2	1	0	0	3
Berkeley	0	16	6	0	0	22
Boone	1	3	0	0	0	4
Braxton	0	2	0	0	0	2
Brooke	0	3	0	0	0	3
Cabell	0	8	6	2	1	17
Calhoun	0	0	0	0	0	0
Clay	1	1	2	0	0	4
Doddridge	0	1	0	0	0	1
Fayette	0	2	1	0	0	3
Gilmer	0	1	0	0	0	1
Grant	0	1	0	0	0	1
Greenbrier	0	3	2	0	0	5
Hampshire	0	2	0	0	0	2
Hancock	0	3	1	0	0	4
Hardy	0	3	0	0	0	3
Harrison	1	8	6	1	1	17
Jackson	0	1	0	0	0	1
Jefferson	0	2	1	0	0	3
Kanawha	1	16	14	2	0	33
Lewis	0	2	0	0	1	3
Lincoln	0	0	1	0	1	2
Logan	0	3	1	0	0	4
McDowell	0	3	1	0	1	5
Marion	0	4	3	0	0	7
Marshall	0	5	0	0	0	5
Mason	0	4	3	0	0	7
Mercer	1	5	3	0	2	11
Mineral	0	3	2	0	0	5
Mingo	0	2	1	0	0	3
Monongalia	0	4	1	0	0	5
Monroe	0	1	0	0	0	1
Morgan	0	4	0	0	0	4
Nicholas	0	6	6	0	1	13
Ohio	0	5	1	0	0	6
Pendleton	0	1	0	0	0	1
Pleasants	0	0	0	0	0	0
Pocahontas	0	1	0	1	0	2
Preston	0	4	2	0	0	6
Putnam	0	5	2	0	0	7
Raleigh	0	15	6	0	0	21
Randolph	0	6	0	0	0	6
Ritchie	0	2	1	0	0	3
Roane	0	2	1	0	0	3
Summers	0	2	0	0	0	2
Taylor	0	2	0	0	0	2
Tucker	1	0	0	0	0	1
Tyler	0	3	0	0	0	3
Upshur	0	3	0	0	0	3
Wayne	0	5	1	0	1	7
Webster	1	2	1	0	0	4
Wetzel	0	4	0	0	0	4
Wirt	0	1	0	0	0	1
Wood	0	9	1	0	0	10
Wyoming	1	3	0	0	1	5
Total	8	199	78	6	10	301

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Motor Vehicle Accident Deaths by County
Transportation Role of Decedent at the Time of Injury
West Virginia Residents, 2019
Table 72

County	Role of Decedent at the Time of Injury				Unknown / Not Reported	Total
	Driver / Operator	Passenger	Pedestrian	Other Roles		
Barbour	7	1	0	0	0	8
Berkeley	12	4	3	0	3	22
Boone	3	0	0	0	0	3
Braxton	5	3	0	0	1	9
Brooke	1	0	0	0	1	2
Cabell	3	0	7	0	2	12
Calhoun	1	1	0	0	2	4
Clay	3	0	0	0	1	4
Doddridge	0	0	0	0	0	0
Fayette	4	0	3	0	0	7
Gilmer	2	1	0	0	0	3
Grant	1	0	0	0	1	2
Greenbrier	3	2	2	0	1	8
Hampshire	4	1	1	0	0	6
Hancock	2	0	2	0	1	5
Hardy	1	0	0	0	1	2
Harrison	3	1	1	0	1	6
Jackson	3	0	0	0	0	3
Jefferson	1	2	2	0	1	6
Kanawha	10	7	3	1	1	22
Lewis	3	0	1	0	0	4
Lincoln	3	4	4	0	0	11
Logan	5	1	0	0	0	6
McDowell	6	1	0	0	1	8
Marion	8	1	0	0	0	9
Marshall	3	1	1	0	0	5
Mason	2	1	0	0	3	6
Mercer	6	1	2	0	1	10
Mineral	1	0	0	0	0	1
Mingo	4	3	0	0	0	7
Monongalia	5	1	1	0	0	7
Monroe	3	1	0	0	0	4
Morgan	4	1	0	0	2	7
Nicholas	4	1	1	0	2	8
Ohio	4	1	0	0	5	10
Pendleton	2	0	0	0	1	3
Pleasants	0	0	0	0	0	0
Pocahontas	1	0	0	0	0	1
Preston	5	1	0	0	0	6
Putnam	13	4	1	0	0	18
Raleigh	13	3	1	0	0	17
Randolph	4	1	1	0	0	6
Ritchie	4	0	0	0	0	4
Roane	4	2	0	0	0	6
Summers	0	0	0	0	0	0
Taylor	1	0	0	0	1	2
Tucker	1	1	0	0	0	2
Tyler	0	1	0	0	2	3
Upshur	5	2	0	0	0	7
Wayne	4	2	1	0	0	7
Webster	0	0	0	0	0	0
Wetzel	0	0	0	0	0	0
Wirt	0	0	0	0	0	0
Wood	6	2	1	0	0	9
Wyoming	0	2	0	0	0	2
Total	193	62	39	1	35	330

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Number and Rate of Resident Infant Deaths by County
West Virginia, 2015-2019
Table 73

County	2015		2016		2017		2018		2019	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Barbour	1	6.1	2	11.7	1	6.1	1	6.4	0	0.0
Berkeley	7	5.1	6	4.3	9	6.6	11	7.4	8	5.6
Boone	4	17.2	2	8.3	6	24.5	1	5.0	3	14.6
Braxton	0	0.0	2	17.4	0	0.0	1	8.4	1	8.6
Brooke	2	9.8	1	5.3	3	14.5	2	10.6	3	16.9
Cabell	7	6.4	16	15.4	7	6.8	13	12.9	7	6.9
Calhoun	0	0.0	0	0.0	3	56.6	0	0.0	1	17.9
Clay	0	0.0	0	0.0	1	10.9	1	10.6	2	21.1
Doddridge	0	0.0	0	0.0	0	0.0	0	0.0	3	46.2
Fayette	2	4.0	7	15.5	1	2.3	5	11.9	1	2.3
Gilmer	0	0.0	0	0.0	0	0.0	0	0.0	1	16.7
Grant	1	7.5	1	8.8	0	0.0	0	0.0	0	0.0
Greenbrier	2	5.3	3	8.7	1	2.7	2	6.5	0	0.0
Hampshire	2	8.2	1	5.3	0	0.0	5	21.7	0	0.0
Hancock	1	3.7	0	0.0	1	3.9	1	4.0	2	7.8
Hardy	1	6.7	1	5.9	3	19.0	0	0.0	0	0.0
Harrison	4	5.0	5	6.8	6	8.4	3	4.2	2	2.9
Jackson	6	17.8	2	6.5	1	3.5	2	6.4	1	3.4
Jefferson	3	5.3	1	1.9	2	3.3	2	3.8	1	1.8
Kanawha	4	1.9	14	7.1	17	8.8	15	8.1	17	9.7
Lewis	2	9.6	1	5.3	7	45.8	4	22.7	2	11.2
Lincoln	1	4.2	1	4.1	2	9.0	1	4.4	2	10.0
Logan	4	11.3	3	8.4	3	8.2	4	11.9	2	5.6
McDowell	3	14.2	2	9.0	3	16.0	2	11.1	0	0.0
Marion	5	8.0	4	6.1	5	8.1	3	5.2	2	3.3
Marshall	1	3.2	3	9.8	1	3.4	0	0.0	5	17.7
Mason	2	7.1	1	4.1	8	28.8	2	7.4	1	4.3
Mercer	4	5.4	2	3.0	9	12.7	4	6.1	9	15.4
Mineral	1	3.7	2	7.2	1	3.8	0	0.0	0	0.0
Mingo	1	3.1	1	3.7	2	6.2	1	3.6	1	3.6
Monongalia	8	7.3	10	8.9	5	4.5	13	12.8	4	3.8
Monroe	2	15.4	0	0.0	0	0.0	0	0.0	1	9.8
Morgan	1	7.9	2	13.8	1	6.5	1	7.9	2	12.9
Nicholas	5	18.2	2	7.5	1	3.8	0	0.0	2	9.3
Ohio	5	10.6	3	7.2	3	7.4	3	7.4	0	0.0
Pendleton	0	0.0	0	0.0	0	0.0	1	17.9	0	0.0
Pleasants	1	11.6	0	0.0	0	0.0	0	0.0	0	0.0
Pocahontas	3	36.1	0	0.0	1	13.3	0	0.0	0	0.0
Preston	5	15.5	5	14.8	1	3.1	1	3.0	0	0.0
Putnam	4	6.7	1	1.8	0	0.0	2	3.9	4	7.2
Raleigh	11	13.3	6	7.2	4	5.3	7	8.8	3	4.0
Randolph	4	14.0	2	7.0	1	3.2	1	3.8	2	6.9
Ritchie	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Roane	0	0.0	2	15.4	0	0.0	0	0.0	3	20.8
Summers	0	0.0	0	0.0	0	0.0	0	0.0	1	9.5
Taylor	2	10.4	5	29.1	0	0.0	0	0.0	0	0.0
Tucker	1	15.9	1	13.5	1	15.6	1	17.9	0	0.0
Tyler	1	11.9	1	10.5	0	0.0	0	0.0	0	0.0
Upshur	3	12.1	1	3.4	3	12.9	3	12.0	0	0.0
Wayne	2	4.8	4	9.3	3	8.0	1	2.7	4	10.2
Webster	1	12.8	1	11.4	0	0.0	0	0.0	1	14.5
Wetzel	2	11.2	0	0.0	2	13.2	0	0.0	1	5.5
Wirt	0	0.0	0	0.0	0	0.0	0	0.0	1	15.4
Wood	6	6.1	8	8.5	4	4.4	6	6.6	6	7.2
Wyoming	1	4.7	1	5.1	0	0.0	2	10.8	0	0.0
Total	139	7.0	139	7.3	133	7.1	128	7.0	112	6.2

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

Number and Ratio of Resident Fetal Deaths by County
West Virginia, 2015-2019
Table 74

County	2015		2016		2017		2018		2019	
	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*
Barbour	0	0.0	0	0.0	2	12.1	0	0.0	0	0.0
Berkeley	10	7.2	8	5.7	10	7.3	7	4.7	10	7.0
Boone	0	0.0	3	12.4	0	0.0	0	0.0	1	4.9
Braxton	1	5.7	1	8.7	0	0.0	0	0.0	1	8.6
Brooke	0	0.0	0	0.0	2	9.7	0	0.0	1	5.6
Cabell	3	2.8	9	8.7	4	3.9	7	6.9	2	2.0
Calhoun	0	0.0	0	0.0	0	0.0	2	37.7	0	0.0
Clay	1	8.8	0	0.0	0	0.0	0	0.0	0	0.0
Doddridge	0	0.0	1	14.7	0	0.0	0	0.0	0	0.0
Fayette	2	4.0	3	6.6	6	14.0	4	9.5	1	2.3
Gilmer	0	0.0	1	14.7	0	0.0	0	0.0	0	0.0
Grant	0	0.0	0	0.0	1	7.5	2	17.4	0	0.0
Greenbrier	0	0.0	1	2.9	6	16.3	4	13.0	4	11.6
Hampshire	1	4.1	0	0.0	2	9.3	2	8.7	3	12.7
Hancock	0	0.0	2	9.2	2	7.9	3	12.1	1	3.9
Hardy	3	20.1	1	5.9	0	0.0	0	0.0	1	7.1
Harrison	4	5.0	5	6.8	3	4.2	0	0.0	3	4.3
Jackson	2	5.9	0	0.0	0	0.0	3	9.6	2	6.8
Jefferson	3	5.3	3	5.6	2	3.3	1	1.9	9	16.4
Kanawha	10	4.9	13	6.6	9	4.7	11	5.9	5	2.9
Lewis	3	14.4	0	0.0	1	6.5	1	5.7	3	16.9
Lincoln	0	0.0	0	0.0	1	4.5	0	0.0	2	10.0
Logan	1	2.8	0	0.0	0	0.0	3	8.9	2	5.6
McDowell	0	0.0	0	0.0	2	10.7	1	5.6	1	5.6
Marion	1	1.6	0	0.0	6	9.7	5	8.7	0	0.0
Marshall	2	6.3	2	6.5	0	0.0	4	14.3	1	3.5
Mason	0	0.0	0	0.0	1	3.6	2	7.4	1	4.3
Mercer	5	6.8	5	7.6	7	9.9	4	6.1	5	8.6
Mineral	1	3.7	2	7.2	1	3.8	2	8.0	2	8.2
Mingo	3	9.4	1	3.7	1	3.1	1	3.6	2	7.2
Monongalia	2	1.8	4	3.6	2	1.8	3	3.0	2	1.9
Monroe	0	0.0	1	7.6	0	0.0	1	7.9	1	9.8
Morgan	1	7.9	0	0.0	1	6.5	0	0.0	1	6.5
Nicholas	4	14.6	1	3.7	2	7.6	1	4.3	1	4.7
Ohio	2	4.3	3	7.2	1	2.5	0	0.0	0	0.0
Pendleton	1	16.1	1	13.3	1	15.9	1	17.9	2	23.0
Pleasants	0	0.0	0	0.0	2	28.2	1	13.3	0	0.0
Pocahontas	1	12.0	1	11.0	2	26.7	2	26.7	0	0.0
Preston	1	3.1	4	11.9	1	3.1	2	6.0	3	8.5
Putnam	2	3.3	1	1.8	0	0.0	2	3.9	2	3.6
Raleigh	4	4.9	5	6.0	7	9.2	4	5.0	2	2.7
Randolph	0	0.0	0	0.0	3	9.5	2	7.7	0	0.0
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	1	7.5	0	0.0
Summers	1	8.3	0	0.0	1	9.8	1	9.9	0	0.0
Taylor	0	0.0	1	5.8	1	7.1	2	13.7	0	0.0
Tucker	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	0	0.0	1	10.5	1	13.0	0	0.0	0	0.0
Upshur	1	4.0	1	3.4	2	8.6	2	8.0	1	4.1
Wayne	2	4.8	2	4.7	5	13.3	2	5.3	3	7.6
Webster	0	0.0	0	0.0	2	27.8	0	0.0	0	0.0
Wetzel	0	0.0	1	5.9	0	0.0	0	0.0	1	5.5
Wirt	0	0.0	1	18.2	0	0.0	1	18.2	0	0.0
Wood	5	5.1	5	5.3	2	2.2	3	3.3	1	1.2
Wyoming	3	14.2	2	10.2	2	10.4	3	16.2	3	13.1
Total	86	4.3	96	5.0	107	5.7	103	5.6	86	4.8

West Virginia Bureau for Public Health

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

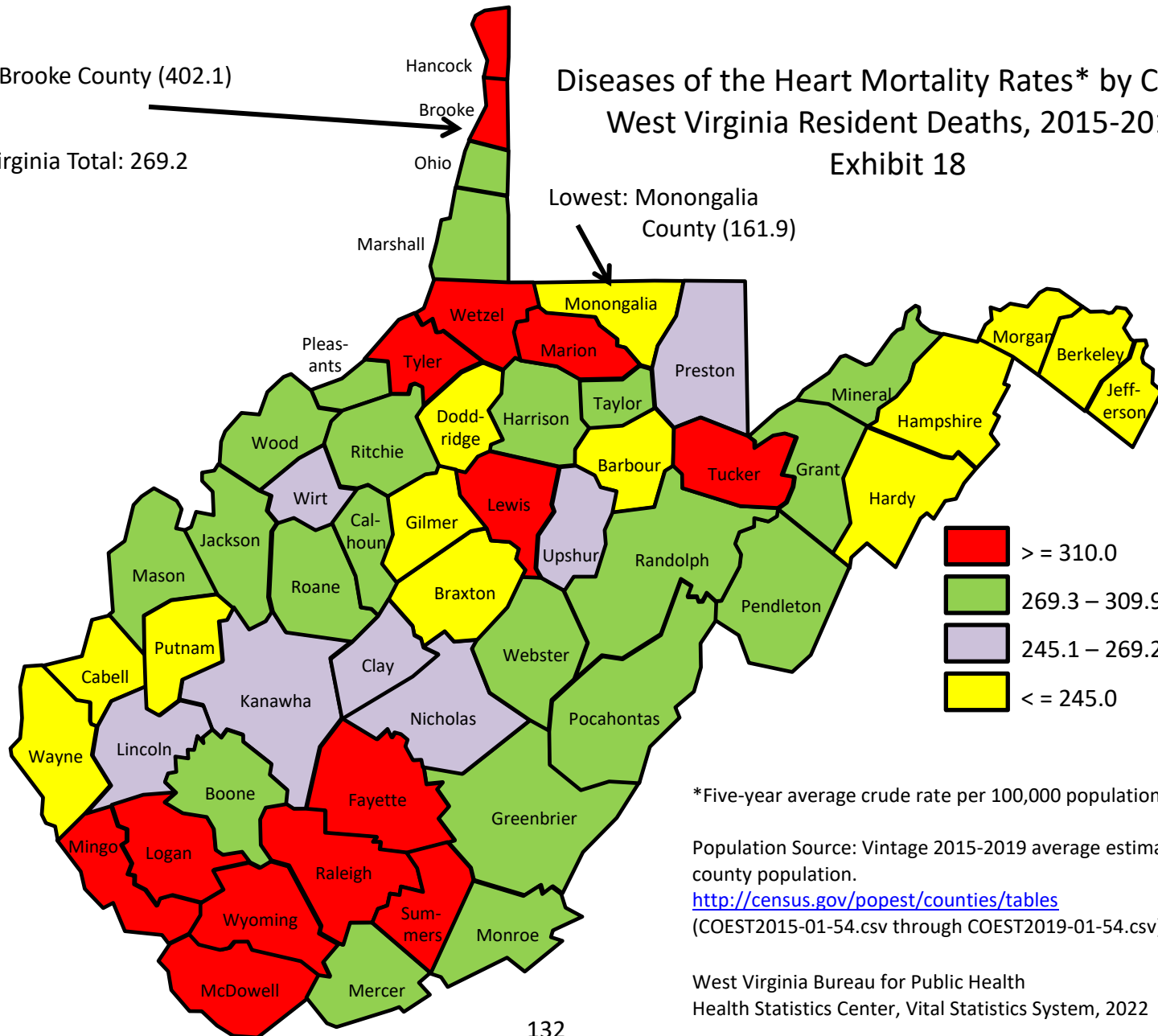
Health Statistics Center, Vital Statistics System, 2022

Highest: Brooke County (402.1)

West Virginia Total: 269.2

Diseases of the Heart Mortality Rates* by County West Virginia Resident Deaths, 2015-2019 Exhibit 18

Lowest: Monongalia County (161.9)



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

Population Source: Vintage 2015-2019 average estimated county population.

<http://census.gov/popest/counties/tables>

(COEST2015-01-54.csv through COEST2019-01-54.csv)

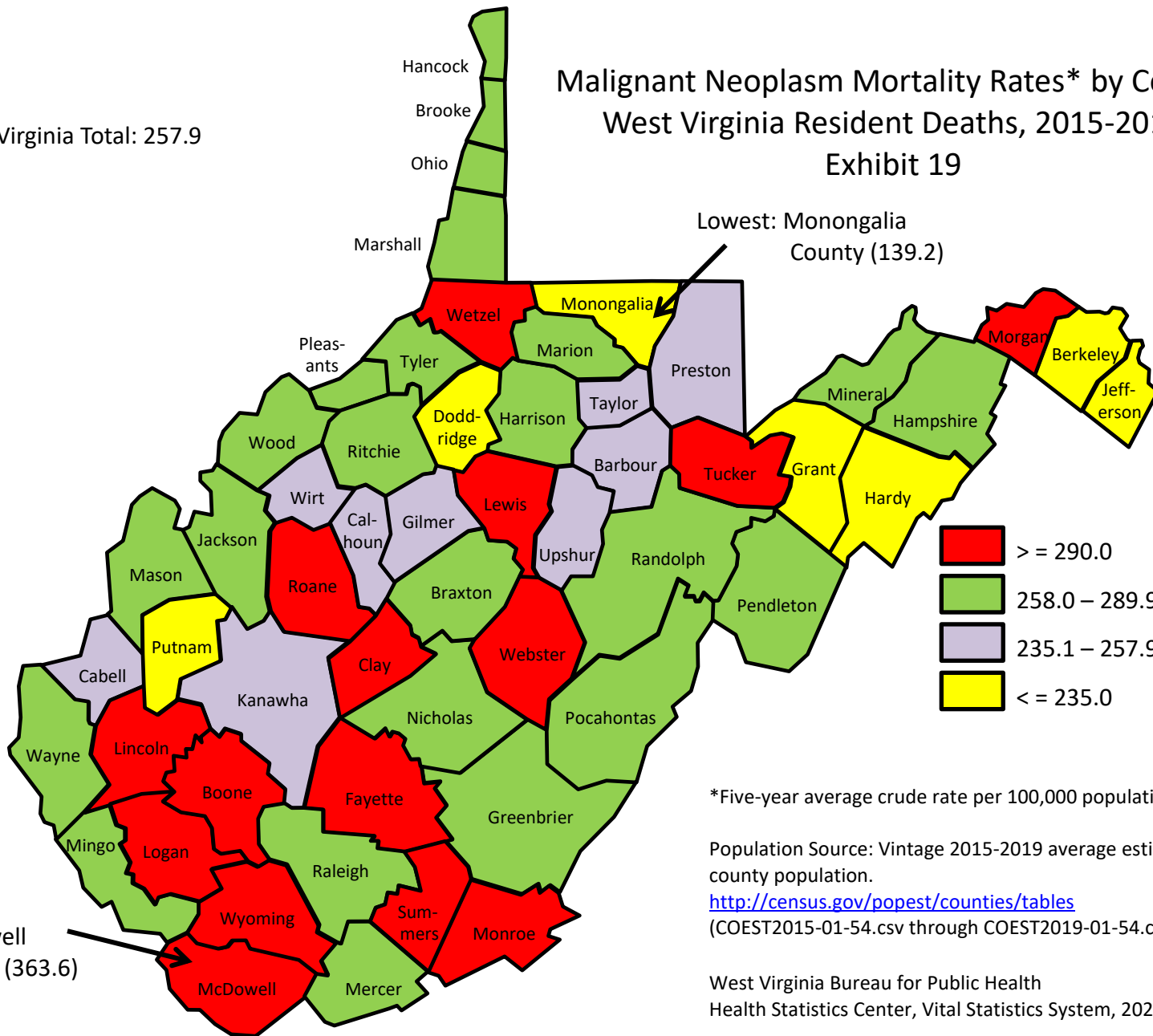
West Virginia Bureau for Public Health
Health Statistics Center, Vital Statistics System, 2022

Malignant Neoplasm Mortality Rates* by County West Virginia Resident Deaths, 2015-2019 Exhibit 19

West Virginia Total: 257.9

Lowest: Monongalia
County (139.2)

Highest: McDowell
County (363.6)



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

Population Source: Vintage 2015-2019 average estimated county population.

<http://census.gov/popest/counties/tables>
(COEST2015-01-54.csv through COEST2019-01-54.csv)

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	10	7.0	1	4.9	1	8.6
Total Deaths, All Causes	200	12.2	1,097	9.2	327	15.2	180	12.9
--Deaths Under One Year	0	0.0	8	5.6	3	14.6	1	8.6
--Deaths Under 28 Days	0	0.0	6	4.2	2	9.7	1	8.6
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	12.2	13	10.9	5	23.3	5	35.8
Human Immunodeficiency Virus Infection	0	0.0	2	1.7	0	0.0	0	0.0
Malignant Neoplasms	40	243.3	267	224.0	62	288.9	34	243.6
--of Digestive Organs	10	60.8	75	62.9	12	55.9	9	64.5
----Colon	3	18.2	15	12.6	4	18.6	3	21.5
----Pancreas	2	12.2	29	24.3	5	23.3	1	7.2
--of Respiratory and Intrathoracic Organs	13	79.1	77	64.6	24	111.9	11	78.8
----Trachea, Bronchus and Lung	13	79.1	73	61.3	24	111.9	11	78.8
--of Breast	2	12.2	14	11.7	5	23.3	4	28.7
--of Genitourinary Organs	3	18.2	40	33.6	10	46.6	5	35.8
----Cervix Uteri	0	0.0	3	2.5	1	4.7	0	0.0
----Ovary	2	12.2	3	2.5	1	4.7	1	7.2
----Prostate	1	6.1	16	13.4	1	4.7	2	14.3
----Bladder	0	0.0	3	2.5	1	4.7	1	7.2
--All Other (Malignant Neoplasms)	12	73.0	61	51.2	11	51.3	5	35.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	6.1	4	3.4	0	0.0	3	21.5
Diabetes Mellitus	13	79.1	44	36.9	16	74.6	7	50.2
Dementia	5	30.4	46	38.6	15	69.9	6	43.0
Alzheimer's Disease	15	91.2	21	17.6	15	69.9	4	28.7
Major Cardiovascular Disease	45	273.7	274	229.9	81	377.5	53	379.7
--Diseases of the Heart	38	231.1	196	164.5	59	275.0	42	300.9
----Ischemic Heart Disease	23	139.9	109	91.5	37	172.4	30	214.9
--Essential Hypertension and Hypertensive Renal Disease	1	6.1	20	16.8	5	23.3	1	7.2
--Cerebrovascular Diseases (Stroke)	2	12.2	51	42.8	14	65.2	7	50.2
--Arteriosclerosis	2	12.2	2	1.7	0	0.0	1	7.2
--Other Diseases of Arteries, Arterioles and Capillaries	2	12.2	5	4.2	3	14.0	2	14.3
Influenza and Pneumonia	2	12.2	10	8.4	3	14.0	4	28.7
--Influenza	1	6.1	1	0.8	0	0.0	2	14.3
--Pneumonia	1	6.1	9	7.6	3	14.0	2	14.3
Chronic Lower Respiratory Diseases	12	73.0	69	57.9	26	121.2	18	129.0
--Bronchitis, Emphysema and Asthma	0	0.0	2	1.7	0	0.0	0	0.0
Lung Diseases due to External Agents	0	0.0	5	4.2	7	32.6	2	14.3
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	4	18.6	0	0.0
Chronic Liver Disease and Cirrhosis	3	18.2	24	20.1	3	14.0	1	7.2
Nephritis, Nephrotic Syndrome and Nephrosis	3	18.2	15	12.6	5	23.3	1	7.2
Congenital Malformations	1	6.1	3	2.5	0	0.0	1	7.2
Ill-Defined and Unknown Causes of Death	1	6.1	14	11.7	4	18.6	3	21.5
Accidents, All Forms	22	133.8	115	96.5	25	116.5	17	121.8
--Motor Vehicle	8	48.7	22	18.5	3	14.0	9	64.5
--Falls	5	30.4	26	21.8	7	32.6	5	35.8
--Drownings	1	6.1	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	1	6.1	0	0.0	0	0.0	0	0.0
--Poisonings	4	24.3	55	46.2	12	55.9	3	21.5
--Other Accidents	3	18.2	12	10.1	3	14.0	0	0.0
Intentional Self-Harm (Suicide)	4	24.3	26	21.8	5	23.3	2	14.3
Assault (Homicide)	1	6.1	7	5.9	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.1	5	4.2	0	0.0	0	0.0
All Other Causes (Residual)	29	176.4	133	111.6	55	256.3	19	136.1

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

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	1	5.6	2	2.0	0	0.0	0	0.0
Total Deaths, All Causes	334	15.2	1,308	14.2	95	13.4	124	14.6
--Deaths Under One Year	3	16.9	7	6.9	1	17.9	2	21.1
--Deaths Under 28 Days	3	16.9	4	3.9	1	17.9	1	10.5
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	7	31.9	24	26.1	1	14.1	1	11.8
Human Immunodeficiency Virus Infection	0	0.0	1	1.1	0	0.0	0	0.0
Malignant Neoplasms	60	273.5	226	245.8	12	168.8	26	305.6
--of Digestive Organs	16	72.9	42	45.7	3	42.2	4	47.0
----Colon	6	27.3	10	10.9	1	14.1	3	35.3
----Pancreas	3	13.7	18	19.6	1	14.1	0	0.0
--of Respiratory and Intrathoracic Organs	15	68.4	75	81.6	2	28.1	7	82.3
----Trachea, Bronchus and Lung	14	63.8	73	79.4	2	28.1	7	82.3
--of Breast	1	4.6	23	25.0	1	14.1	2	23.5
--of Genitourinary Organs	12	54.7	35	38.1	1	14.1	4	47.0
----Cervix Uteri	0	0.0	2	2.2	0	0.0	0	0.0
----Ovary	2	9.1	5	5.4	0	0.0	0	0.0
----Prostate	3	13.7	10	10.9	0	0.0	1	11.8
----Bladder	3	13.7	9	9.8	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	16	72.9	51	55.5	5	70.3	9	105.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	4.6	4	4.4	1	14.1	1	11.8
Diabetes Mellitus	7	31.9	54	58.7	7	98.5	6	70.5
Dementia	22	100.3	60	65.3	5	70.3	6	70.5
Alzheimer's Disease	9	41.0	76	82.7	3	42.2	4	47.0
Major Cardiovascular Disease	101	460.4	342	372.0	22	309.5	30	352.6
--Diseases of the Heart	75	341.9	242	263.2	20	281.3	19	223.3
----Ischemic Heart Disease	51	232.5	146	158.8	13	182.9	10	117.5
--Essential Hypertension and Hypertensive Renal Disease	5	22.8	25	27.2	0	0.0	4	47.0
--Cerebrovascular Diseases (Stroke)	20	91.2	66	71.8	2	28.1	5	58.8
--Arteriosclerosis	0	0.0	1	1.1	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	4.6	8	8.7	0	0.0	2	23.5
Influenza and Pneumonia	15	68.4	20	21.8	1	14.1	4	47.0
--Influenza	1	4.6	4	4.4	0	0.0	2	23.5
--Pneumonia	14	63.8	16	17.4	1	14.1	2	23.5
Chronic Lower Respiratory Diseases	26	118.5	62	67.4	6	84.4	10	117.5
--Bronchitis, Emphysema and Asthma	0	0.0	3	3.3	0	0.0	1	11.8
Lung Diseases due to External Agents	1	4.6	7	7.6	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	1	1.1	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	5	22.8	25	27.2	3	42.2	1	11.8
Nephritis, Nephrotic Syndrome and Nephrosis	6	27.3	29	31.5	1	14.1	1	11.8
Congenital Malformations	1	4.6	6	6.5	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	12	54.7	17	18.5	1	14.1	3	35.3
Accidents, All Forms	17	77.5	148	161.0	12	168.8	12	141.0
--Motor Vehicle	2	9.1	12	13.1	4	56.3	4	47.0
--Falls	3	13.7	32	34.8	6	84.4	5	58.8
--Drownings	0	0.0	1	1.1	1	14.1	0	0.0
--Smoke, Fires and Flames	1	4.6	1	1.1	0	0.0	1	11.8
--Poisonings	9	41.0	94	102.2	0	0.0	1	11.8
--Other Accidents	2	9.1	8	8.7	1	14.1	1	11.8
Intentional Self-Harm (Suicide)	3	13.7	13	14.1	0	0.0	1	11.8
Assault (Homicide)	0	0.0	7	7.6	0	0.0	2	23.5
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	1.1	0	0.0	4	47.0
All Other Causes (Residual)	41	186.9	186	202.3	20	281.3	12	141.0

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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, 2019
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	1	2.3	0	0.0	0	0.0
Total Deaths, All Causes	68	8.0	656	15.5	89	11.4	167	14.4
--Deaths Under One Year	3	46.2	1	2.3	1	16.7	0	0.0
--Deaths Under 28 Days	2	30.8	1	2.3	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	1	12.8	0	0.0
Septicemia	2	23.7	13	30.7	0	0.0	1	8.6
Human Immunodeficiency Virus Infection	0	0.0	1	2.4	0	0.0	0	0.0
Malignant Neoplasms	18	213.1	144	339.6	20	255.7	23	198.8
--of Digestive Organs	7	82.9	38	89.6	3	38.3	7	60.5
----Colon	4	47.3	11	25.9	2	25.6	1	8.6
----Pancreas	1	11.8	7	16.5	0	0.0	5	43.2
--of Respiratory and Intrathoracic Organs	4	47.3	32	75.5	7	89.5	3	25.9
----Trachea, Bronchus and Lung	3	35.5	30	70.7	7	89.5	3	25.9
--of Breast	0	0.0	17	40.1	3	38.3	2	17.3
--of Genitourinary Organs	2	23.7	22	51.9	1	12.8	7	60.5
----Cervix Uteri	0	0.0	2	4.7	0	0.0	0	0.0
----Ovary	0	0.0	2	4.7	0	0.0	1	8.6
----Prostate	0	0.0	6	14.1	1	12.8	4	34.6
----Bladder	0	0.0	6	14.1	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	5	59.2	35	82.5	6	76.7	4	34.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	3	7.1	1	12.8	0	0.0
Diabetes Mellitus	4	47.3	29	68.4	4	51.1	8	69.2
Dementia	2	23.7	30	70.7	2	25.6	8	69.2
Alzheimer's Disease	0	0.0	10	23.6	2	25.6	5	43.2
Major Cardiovascular Disease	14	165.7	187	441.0	26	332.4	51	440.9
--Diseases of the Heart	13	153.9	144	339.6	15	191.7	33	285.3
----Ischemic Heart Disease	10	118.4	100	235.8	14	179.0	20	172.9
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	8	18.9	3	38.3	0	0.0
--Cerebrovascular Diseases (Stroke)	1	11.8	31	73.1	6	76.7	11	95.1
--Arteriosclerosis	0	0.0	1	2.4	1	12.8	7	60.5
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	3	7.1	1	12.8	0	0.0
Influenza and Pneumonia	3	35.5	11	25.9	1	12.8	5	43.2
--Influenza	0	0.0	0	0.0	0	0.0	1	8.6
--Pneumonia	3	35.5	11	25.9	1	12.8	4	34.6
Chronic Lower Respiratory Diseases	5	59.2	47	110.8	9	115.0	12	103.7
--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	5	11.8	0	0.0	1	8.6
--Coal Worker's Pneumoconiosis	0	0.0	2	4.7	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	23.7	20	47.2	2	25.6	2	17.3
Nephritis, Nephrotic Syndrome and Nephrosis	2	23.7	16	37.7	2	25.6	3	25.9
Congenital Malformations	0	0.0	0	0.0	1	12.8	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	2	4.7	0	0.0	19	164.2
Accidents, All Forms	3	35.5	50	117.9	9	115.0	6	51.9
--Motor Vehicle	0	0.0	7	16.5	3	38.3	2	17.3
--Falls	1	11.8	8	18.9	2	25.6	1	8.6
--Drownings	0	0.0	1	2.4	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	1	11.8	32	75.5	2	25.6	3	25.9
--Other Accidents	1	11.8	2	4.7	2	25.6	0	0.0
Intentional Self-Harm (Suicide)	2	23.7	4	9.4	1	12.8	1	8.6
Assault (Homicide)	0	0.0	2	4.7	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)	11	130.2	82	193.4	8	102.3	22	190.2

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	11.6	3	12.7	1	3.9	1	7.1
Total Deaths, All Causes	557	16.1	292	12.6	425	14.8	147	10.7
--Deaths Under One Year	0	0.0	0	0.0	2	7.8	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	9	26.0	4	17.3	10	34.7	0	0.0
Human Immunodeficiency Virus Infection	1	2.9	0	0.0	1	3.5	0	0.0
Malignant Neoplasms	104	300.0	65	280.5	74	256.9	25	181.5
--of Digestive Organs	26	75.0	20	86.3	20	69.4	8	58.1
----Colon	9	26.0	7	30.2	7	24.3	3	21.8
----Pancreas	8	23.1	4	17.3	6	20.8	5	36.3
--of Respiratory and Intrathoracic Organs	39	112.5	19	82.0	26	90.2	1	7.3
----Trachea, Bronchus and Lung	39	112.5	19	82.0	26	90.2	1	7.3
--of Breast	3	8.7	3	12.9	4	13.9	0	0.0
--of Genitourinary Organs	12	34.6	8	34.5	10	34.7	5	36.3
----Cervix Uteri	1	2.9	1	4.3	1	3.5	0	0.0
----Ovary	1	2.9	1	4.3	2	6.9	0	0.0
----Prostate	6	17.3	3	12.9	3	10.4	1	7.3
----Bladder	0	0.0	0	0.0	1	3.5	0	0.0
--All Other (Malignant Neoplasms)	24	69.2	15	64.7	14	48.6	11	79.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	8.7	3	12.9	2	6.9	0	0.0
Diabetes Mellitus	20	57.7	15	64.7	8	27.8	7	50.8
Dementia	31	89.4	10	43.1	16	55.5	2	14.5
Alzheimer's Disease	15	43.3	3	12.9	7	24.3	3	21.8
Major Cardiovascular Disease	183	528.0	72	310.7	143	496.4	44	319.4
--Diseases of the Heart	145	418.3	53	228.7	116	402.6	36	261.3
----Ischemic Heart Disease	88	253.9	31	133.8	87	302.0	17	123.4
--Essential Hypertension and Hypertensive Renal Disease	6	17.3	8	34.5	5	17.4	2	14.5
--Cerebrovascular Diseases (Stroke)	28	80.8	8	34.5	18	62.5	5	36.3
--Arteriosclerosis	0	0.0	0	0.0	2	6.9	1	7.3
--Other Diseases of Arteries, Arterioles and Capillaries	4	11.5	3	12.9	2	6.9	0	0.0
Influenza and Pneumonia	4	11.5	4	17.3	12	41.7	2	14.5
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	4	11.5	4	17.3	12	41.7	2	14.5
Chronic Lower Respiratory Diseases	32	92.3	19	82.0	33	114.5	15	108.9
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	3.5	2	14.5
Lung Diseases due to External Agents	4	11.5	1	4.3	2	6.9	1	7.3
--Coal Worker's Pneumoconiosis	1	2.9	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	5	14.4	7	30.2	4	13.9	1	7.3
Nephritis, Nephrotic Syndrome and Nephrosis	17	49.0	6	25.9	5	17.4	2	14.5
Congenital Malformations	1	2.9	1	4.3	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	6	17.3	9	38.8	14	48.6	19	137.9
Accidents, All Forms	41	118.3	34	146.7	32	111.1	7	50.8
--Motor Vehicle	8	23.1	6	25.9	5	17.4	2	14.5
--Falls	13	37.5	7	30.2	3	10.4	1	7.3
--Drownings	1	2.9	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	15	43.3	19	82.0	21	72.9	3	21.8
--Other Accidents	4	11.5	2	8.6	3	10.4	1	7.3
Intentional Self-Harm (Suicide)	5	14.4	5	21.6	5	17.4	3	21.8
Assault (Homicide)	2	5.8	0	0.0	1	3.5	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	4.3	1	3.5	1	7.3
All Other Causes (Residual)	74	213.5	33	142.4	55	190.9	15	108.9

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	3	4.3	2	6.8	9	16.4	5	2.9
Total Deaths, All Causes	921	13.7	345	12.1	496	8.7	2,513	14.1
--Deaths Under One Year	2	2.9	1	3.4	1	1.8	17	9.7
--Deaths Under 28 Days	1	1.4	1	3.4	1	1.8	12	6.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	8	11.9	7	24.5	7	12.2	45	25.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	4	2.2
Malignant Neoplasms	196	291.4	74	259.0	140	245.0	404	226.8
--of Digestive Organs	49	72.9	19	66.5	33	57.7	107	60.1
----Colon	13	19.3	6	21.0	10	17.5	28	15.7
----Pancreas	12	17.8	6	21.0	5	8.7	26	14.6
--of Respiratory and Intrathoracic Organs	54	80.3	18	63.0	43	75.2	116	65.1
----Trachea, Bronchus and Lung	53	78.8	18	63.0	40	70.0	115	64.6
--of Breast	15	22.3	5	17.5	17	29.7	23	12.9
--of Genitourinary Organs	32	47.6	14	49.0	18	31.5	60	33.7
----Cervix Uteri	1	1.5	1	3.5	1	1.7	4	2.2
----Ovary	2	3.0	4	14.0	4	7.0	9	5.1
----Prostate	7	10.4	2	7.0	6	10.5	19	10.7
----Bladder	9	13.4	4	14.0	3	5.2	8	4.5
--All Other (Malignant Neoplasms)	46	68.4	18	63.0	29	50.7	98	55.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	4.5	5	17.5	1	1.7	7	3.9
Diabetes Mellitus	35	52.0	16	56.0	15	26.2	128	71.9
Dementia	12	17.8	10	35.0	33	57.7	115	64.6
Alzheimer's Disease	38	56.5	18	63.0	14	24.5	126	70.7
Major Cardiovascular Disease	306	455.0	104	363.9	111	194.2	670	376.1
--Diseases of the Heart	218	324.1	72	252.0	87	152.2	484	271.7
----Ischemic Heart Disease	161	239.4	42	147.0	47	82.2	295	165.6
--Essential Hypertension and Hypertensive Renal Disease	9	13.4	9	31.5	4	7.0	33	18.5
--Cerebrovascular Diseases (Stroke)	28	41.6	19	66.5	16	28.0	129	72.4
--Arteriosclerosis	47	69.9	3	10.5	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	4	5.9	1	3.5	4	7.0	24	13.5
Influenza and Pneumonia	13	19.3	6	21.0	6	10.5	44	24.7
--Influenza	3	4.5	1	3.5	0	0.0	7	3.9
--Pneumonia	10	14.9	5	17.5	6	10.5	37	20.8
Chronic Lower Respiratory Diseases	73	108.5	19	66.5	22	38.5	162	90.9
--Bronchitis, Emphysema and Asthma	2	3.0	0	0.0	1	1.7	9	5.1
Lung Diseases due to External Agents	5	7.4	0	0.0	4	7.0	21	11.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	2	1.1
Chronic Liver Disease and Cirrhosis	8	11.9	3	10.5	11	19.2	42	23.6
Nephritis, Nephrotic Syndrome and Nephrosis	13	19.3	6	21.0	9	15.7	43	24.1
Congenital Malformations	2	3.0	4	14.0	0	0.0	9	5.1
Ill-Defined and Unknown Causes of Death	14	20.8	0	0.0	2	3.5	25	14.0
Accidents, All Forms	49	72.9	18	63.0	49	85.7	253	142.0
--Motor Vehicle	6	8.9	3	10.5	6	10.5	22	12.4
--Falls	7	10.4	6	21.0	10	17.5	75	42.1
--Drownings	1	1.5	0	0.0	2	3.5	3	1.7
--Smoke, Fires and Flames	1	1.5	0	0.0	1	1.7	2	1.1
--Poisonings	28	41.6	6	21.0	29	50.7	137	76.9
--Other Accidents	6	8.9	3	10.5	1	1.7	14	7.9
Intentional Self-Harm (Suicide)	17	25.3	3	10.5	4	7.0	30	16.8
Assault (Homicide)	6	8.9	0	0.0	1	1.7	16	9.0
Injury Undetermined Whether Accidental or Purposely Inflicted	3	4.5	1	3.5	1	1.7	3	1.7
All Other Causes (Residual)	120	178.4	51	178.5	66	115.5	366	205.5

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West Virginia, 2019
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	3	16.9	2	10.0	2	5.6	1	5.6
Total Deaths, All Causes	232	14.6	319	15.6	548	17.1	317	18.0
--Deaths Under One Year	2	11.2	2	10.0	2	5.6	0	0.0
--Deaths Under 28 Days	2	11.2	0	0.0	1	2.8	0	0.0
Tuberculosis	0	0.0	0	0.0	1	3.1	0	0.0
Septicemia	3	18.9	7	34.3	19	59.3	6	34.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	48	301.8	68	333.2	103	321.7	68	385.8
--of Digestive Organs	15	94.3	13	63.7	25	78.1	24	136.2
----Colon	4	25.1	4	19.6	9	28.1	11	62.4
----Pancreas	1	6.3	5	24.5	5	15.6	5	28.4
--of Respiratory and Intrathoracic Organs	18	113.2	22	107.8	28	87.4	17	96.5
----Trachea, Bronchus and Lung	18	113.2	20	98.0	27	84.3	17	96.5
--of Breast	0	0.0	2	9.8	7	21.9	2	11.3
--of Genitourinary Organs	3	18.9	10	49.0	12	37.5	13	73.8
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	5.7
----Ovary	0	0.0	3	14.7	2	6.2	1	5.7
----Prostate	2	12.6	3	14.7	3	9.4	4	22.7
----Bladder	1	6.3	0	0.0	2	6.2	1	5.7
--All Other (Malignant Neoplasms)	12	75.4	21	102.9	31	96.8	12	68.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	6.3	6	29.4	3	9.4	1	5.7
Diabetes Mellitus	8	50.3	8	39.2	17	53.1	19	107.8
Dementia	9	56.6	4	19.6	20	62.5	12	68.1
Alzheimer's Disease	12	75.4	11	53.9	15	46.8	7	39.7
Major Cardiovascular Disease	70	440.1	75	367.5	161	502.8	76	431.2
--Diseases of the Heart	48	301.8	63	308.7	133	415.4	58	329.1
----Ischemic Heart Disease	33	207.5	35	171.5	81	253.0	29	164.5
--Essential Hypertension and Hypertensive Renal Disease	5	31.4	5	24.5	9	28.1	8	45.4
--Cerebrovascular Diseases (Stroke)	11	69.2	7	34.3	19	59.3	9	51.1
--Arteriosclerosis	4	25.1	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	12.6	0	0.0	0	0.0	1	5.7
Influenza and Pneumonia	2	12.6	7	34.3	9	28.1	5	28.4
--Influenza	0	0.0	0	0.0	3	9.4	0	0.0
--Pneumonia	2	12.6	7	34.3	6	18.7	5	28.4
Chronic Lower Respiratory Diseases	16	100.6	30	147.0	47	146.8	20	113.5
--Bronchitis, Emphysema and Asthma	1	6.3	1	4.9	0	0.0	2	11.3
Lung Diseases due to External Agents	2	12.6	2	9.8	6	18.7	4	22.7
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	3	9.4	2	11.3
Chronic Liver Disease and Cirrhosis	3	18.9	4	19.6	13	40.6	10	56.7
Nephritis, Nephrotic Syndrome and Nephrosis	6	37.7	4	19.6	9	28.1	5	28.4
Congenital Malformations	0	0.0	0	0.0	2	6.2	0	0.0
Ill-Defined and Unknown Causes of Death	5	31.4	5	24.5	3	9.4	3	17.0
Accidents, All Forms	17	106.9	37	181.3	47	146.8	25	141.9
--Motor Vehicle	4	25.1	11	53.9	6	18.7	8	45.4
--Falls	3	18.9	8	39.2	6	18.7	7	39.7
--Drownings	0	0.0	1	4.9	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	5	31.4	12	58.8	29	90.6	9	51.1
--Other Accidents	5	31.4	5	24.5	6	18.7	1	5.7
Intentional Self-Harm (Suicide)	3	18.9	2	9.8	9	28.1	5	28.4
Assault (Homicide)	0	0.0	1	4.9	2	6.2	1	5.7
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.3	1	4.9	2	6.2	1	5.7
All Other Causes (Residual)	26	163.5	47	230.3	60	187.4	49	278.0

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	0	0.0	1	3.5	1	4.3	5	8.6
Total Deaths, All Causes	711	12.7	412	13.5	390	14.7	880	15.0
--Deaths Under One Year	2	3.3	5	17.7	1	4.3	9	15.4
--Deaths Under 28 Days	2	3.3	2	7.1	1	4.3	6	10.3
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	14	25.0	5	16.4	2	7.5	14	23.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	2	3.4
Malignant Neoplasms	138	246.1	86	281.7	75	282.8	180	306.3
--of Digestive Organs	35	62.4	27	88.4	19	71.7	50	85.1
----Colon	11	19.6	7	22.9	3	11.3	6	10.2
----Pancreas	4	7.1	7	22.9	5	18.9	11	18.7
--of Respiratory and Intrathoracic Organs	45	80.3	21	68.8	27	101.8	44	74.9
----Trachea, Bronchus and Lung	41	73.1	20	65.5	25	94.3	42	71.5
--of Breast	14	25.0	5	16.4	4	15.1	6	10.2
--of Genitourinary Organs	14	25.0	13	42.6	11	41.5	21	35.7
----Cervix Uteri	1	1.8	3	9.8	1	3.8	1	1.7
----Ovary	3	5.4	1	3.3	3	11.3	2	3.4
----Prostate	3	5.4	2	6.6	1	3.8	6	10.2
----Bladder	0	0.0	6	19.7	3	11.3	2	3.4
--All Other (Malignant Neoplasms)	30	53.5	20	65.5	14	52.8	59	100.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	6	10.7	2	6.6	2	7.5	4	6.8
Diabetes Mellitus	24	42.8	20	65.5	13	49.0	41	69.8
Dementia	28	49.9	26	85.2	13	49.0	48	81.7
Alzheimer's Disease	19	33.9	6	19.7	13	49.0	28	47.7
Major Cardiovascular Disease	255	454.8	117	383.2	115	433.7	224	381.2
--Diseases of the Heart	208	371.0	97	317.7	87	328.1	178	302.9
----Ischemic Heart Disease	152	271.1	64	209.6	50	188.6	100	170.2
--Essential Hypertension and Hypertensive Renal Disease	7	12.5	2	6.6	0	0.0	6	10.2
--Cerebrovascular Diseases (Stroke)	33	58.9	17	55.7	26	98.1	32	54.5
--Arteriosclerosis	2	3.6	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	5	8.9	1	3.3	2	7.5	8	13.6
Influenza and Pneumonia	16	28.5	24	78.6	4	15.1	14	23.8
--Influenza	0	0.0	1	3.3	0	0.0	1	1.7
--Pneumonia	16	28.5	23	75.3	4	15.1	13	22.1
Chronic Lower Respiratory Diseases	50	89.2	27	88.4	48	181.0	76	129.3
--Bronchitis, Emphysema and Asthma	0	0.0	2	6.6	1	3.8	1	1.7
Lung Diseases due to External Agents	6	10.7	3	9.8	2	7.5	11	18.7
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	4	6.8
Chronic Liver Disease and Cirrhosis	11	19.6	6	19.7	9	33.9	11	18.7
Nephritis, Nephrotic Syndrome and Nephrosis	12	21.4	7	22.9	11	41.5	17	28.9
Congenital Malformations	0	0.0	2	6.6	2	7.5	5	8.5
Ill-Defined and Unknown Causes of Death	1	1.8	4	13.1	2	7.5	9	15.3
Accidents, All Forms	43	76.7	23	75.3	24	90.5	59	100.4
--Motor Vehicle	9	16.1	5	16.4	6	22.6	10	17.0
--Falls	7	12.5	6	19.7	4	15.1	17	28.9
--Drownings	0	0.0	0	0.0	1	3.8	1	1.7
--Smoke, Fires and Flames	1	1.8	0	0.0	0	0.0	0	0.0
--Poisonings	22	39.2	9	29.5	8	30.2	24	40.8
--Other Accidents	4	7.1	3	9.8	5	18.9	7	11.9
Intentional Self-Harm (Suicide)	8	14.3	11	36.0	4	15.1	8	13.6
Assault (Homicide)	3	5.4	0	0.0	3	11.3	6	10.2
Injury Undetermined Whether Accidental or Purposely Inflicted	3	5.4	1	3.3	1	3.8	5	8.5
All Other Causes (Residual)	74	132.0	42	137.6	47	177.3	118	200.8

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	8.2	2	7.2	2	1.9	1	9.8
Total Deaths, All Causes	329	12.2	380	16.2	706	6.7	185	13.9
--Deaths Under One Year	0	0.0	1	3.6	4	3.8	1	9.8
--Deaths Under 28 Days	0	0.0	1	3.6	4	3.8	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	6	22.3	6	25.6	10	9.5	1	7.5
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	69	256.8	68	290.3	144	136.3	38	286.3
--of Digestive Organs	19	70.7	13	55.5	29	27.5	12	90.4
----Colon	6	22.3	5	21.3	10	9.5	6	45.2
----Pancreas	5	18.6	3	12.8	7	6.6	1	7.5
--of Respiratory and Intrathoracic Organs	16	59.6	27	115.3	41	38.8	11	82.9
----Trachea, Bronchus and Lung	15	55.8	27	115.3	40	37.9	11	82.9
--of Breast	3	11.2	5	21.3	6	5.7	1	7.5
--of Genitourinary Organs	9	33.5	7	29.9	20	18.9	5	37.7
----Cervix Uteri	1	3.7	1	4.3	1	0.9	0	0.0
----Ovary	4	14.9	0	0.0	4	3.8	1	7.5
----Prostate	1	3.7	3	12.8	10	9.5	2	15.1
----Bladder	2	7.4	1	4.3	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	22	81.9	16	68.3	48	45.4	9	67.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	7	6.6	1	7.5
Diabetes Mellitus	12	44.7	24	102.5	21	19.9	8	60.3
Dementia	20	74.4	5	21.3	25	23.7	19	143.1
Alzheimer's Disease	8	29.8	11	47.0	38	36.0	3	22.6
Major Cardiovascular Diseases	97	361.0	110	469.6	228	215.9	48	361.6
--Diseases of the Heart	81	301.5	91	388.5	187	177.1	35	263.7
----Ischemic Heart Disease	54	201.0	53	226.3	129	122.1	15	113.0
--Essential Hypertension and Hypertensive Renal Disease	5	18.6	1	4.3	11	10.4	2	15.1
--Cerebrovascular Diseases (Stroke)	8	29.8	16	68.3	25	23.7	9	67.8
--Arteriosclerosis	2	7.4	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	3.7	2	8.5	5	4.7	2	15.1
Influenza and Pneumonia	6	22.3	9	38.4	7	6.6	2	15.1
--Influenza	1	3.7	0	0.0	0	0.0	0	0.0
--Pneumonia	5	18.6	9	38.4	7	6.6	2	15.1
Chronic Lower Respiratory Diseases	23	85.6	30	128.1	42	39.8	9	67.8
--Bronchitis, Emphysema and Asthma	2	7.4	0	0.0	1	0.9	0	0.0
Lung Diseases due to External Agents	6	22.3	3	12.8	8	7.6	3	22.6
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	7.5
Chronic Liver Disease and Cirrhosis	4	14.9	9	38.4	12	11.4	3	22.6
Nephritis, Nephrotic Syndrome and Nephrosis	6	22.3	10	42.7	4	3.8	3	22.6
Congenital Malformations	1	3.7	2	8.5	2	1.9	2	15.1
Ill-Defined and Unknown Causes of Death	1	3.7	3	12.8	2	1.9	2	15.1
Accidents, All Forms	12	44.7	26	111.0	49	46.4	11	82.9
--Motor Vehicle	1	3.7	7	29.9	7	6.6	4	30.1
--Falls	5	18.6	3	12.8	10	9.5	2	15.1
--Drownings	0	0.0	3	12.8	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	2	1.9	0	0.0
--Poisonings	5	18.6	9	38.4	27	25.6	4	30.1
--Other Accidents	1	3.7	4	17.1	3	2.8	1	7.5
Intentional Self-Harm (Suicide)	4	14.9	4	17.1	10	9.5	1	7.5
Assault (Homicide)	2	7.4	1	4.3	1	0.9	1	7.5
Injury Undetermined Whether Accidental or Purposely Inflicted	4	14.9	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	48	178.7	59	251.9	96	90.9	30	226.0

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	1	6.5	1	4.7	0	0.0	2	23.0
Total Deaths, All Causes	229	12.8	351	14.3	613	14.8	104	14.9
--Deaths Under One Year	2	12.9	2	9.3	0	0.0	0	0.0
--Deaths Under 28 Days	2	12.9	1	4.7	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	11.2	5	20.4	8	19.3	1	14.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	54	301.9	67	273.5	111	268.0	13	186.5
--of Digestive Organs	12	67.1	14	57.2	30	72.4	4	57.4
----Colon	5	28.0	5	20.4	6	14.5	2	28.7
----Pancreas	4	22.4	3	12.2	10	24.1	1	14.3
--of Respiratory and Intrathoracic Organs	25	139.8	19	77.6	26	62.8	3	43.0
----Trachea, Bronchus and Lung	23	128.6	17	69.4	25	60.4	3	43.0
--of Breast	1	5.6	3	12.2	11	26.6	1	14.3
--of Genitourinary Organs	7	39.1	12	49.0	20	48.3	2	28.7
----Cervix Uteri	0	0.0	0	0.0	1	2.4	0	0.0
----Ovary	2	11.2	1	4.1	3	7.2	0	0.0
----Prostate	0	0.0	4	16.3	4	9.7	2	28.7
----Bladder	1	5.6	3	12.2	7	16.9	0	0.0
--All Other (Malignant Neoplasms)	9	50.3	19	77.6	24	58.0	3	43.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	11.2	1	4.1	2	4.8	0	0.0
Diabetes Mellitus	8	44.7	16	65.3	36	86.9	9	129.1
Dementia	6	33.5	12	49.0	46	111.1	6	86.1
Alzheimer's Disease	7	39.1	10	40.8	18	43.5	4	57.4
Major Cardiovascular Disease	61	341.1	85	347.0	189	456.4	28	401.8
--Diseases of the Heart	51	285.2	58	236.8	139	335.7	23	330.0
----Ischemic Heart Disease	25	139.8	33	134.7	74	178.7	17	243.9
--Essential Hypertension and Hypertensive Renal Disease	1	5.6	3	12.2	9	21.7	1	14.3
--Cerebrovascular Diseases (Stroke)	8	44.7	22	89.8	33	79.7	4	57.4
--Arteriosclerosis	0	0.0	0	0.0	1	2.4	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	5.6	2	8.2	7	16.9	0	0.0
Influenza and Pneumonia	5	28.0	5	20.4	9	21.7	6	86.1
--Influenza	0	0.0	0	0.0	0	0.0	1	14.3
--Pneumonia	5	28.0	5	20.4	9	21.7	5	71.7
Chronic Lower Respiratory Diseases	16	89.5	28	114.3	36	86.9	3	43.0
--Bronchitis, Emphysema and Asthma	0	0.0	2	8.2	0	0.0	0	0.0
Lung Diseases due to External Agents	2	11.2	6	24.5	4	9.7	2	28.7
--Coal Worker's Pneumoconiosis	0	0.0	2	8.2	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	22.4	9	36.7	8	19.3	5	71.7
Nephritis, Nephrotic Syndrome and Nephrosis	3	16.8	7	28.6	16	38.6	3	43.0
Congenital Malformations	2	11.2	0	0.0	1	2.4	0	0.0
Ill-Defined and Unknown Causes of Death	3	16.8	1	4.1	1	2.4	3	43.0
Accidents, All Forms	24	134.2	31	126.6	41	99.0	8	114.8
--Motor Vehicle	7	39.1	8	32.7	10	24.1	3	43.0
--Falls	7	39.1	9	36.7	11	26.6	3	43.0
--Drownings	0	0.0	1	4.1	1	2.4	0	0.0
--Smoke, Fires and Flames	0	0.0	1	4.1	0	0.0	0	0.0
--Poisonings	8	44.7	9	36.7	15	36.2	1	14.3
--Other Accidents	2	11.2	3	12.2	4	9.7	1	14.3
Intentional Self-Harm (Suicide)	6	33.5	10	40.8	11	26.6	1	14.3
Assault (Homicide)	0	0.0	6	24.5	1	2.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	5.6	3	12.2	0	0.0	0	0.0
All Other Causes (Residual)	23	128.6	49	200.0	75	181.1	12	172.2

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	0	0.0	0	0.0	3	8.5	2	3.6
Total Deaths, All Causes	103	13.8	115	13.9	358	10.7	656	11.6
--Deaths Under One Year	0	0.0	0	0.0	0	0.0	4	7.2
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	3	5.4
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	13.4	0	0.0	3	9.0	10	17.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	1.8
Malignant Neoplasms	19	254.7	30	363.8	82	245.3	129	228.5
--of Digestive Organs	6	80.4	9	109.1	23	68.8	27	47.8
----Colon	2	26.8	1	12.1	3	9.0	8	14.2
----Pancreas	2	26.8	4	48.5	8	23.9	7	12.4
--of Respiratory and Intrathoracic Organs	5	67.0	5	60.6	24	71.8	39	69.1
----Trachea, Bronchus and Lung	5	67.0	5	60.6	24	71.8	39	69.1
--of Breast	1	13.4	1	12.1	4	12.0	8	14.2
--of Genitourinary Organs	3	40.2	4	48.5	12	35.9	21	37.2
----Cervix Uteri	0	0.0	1	12.1	0	0.0	2	3.5
----Ovary	0	0.0	0	0.0	4	12.0	1	1.8
----Prostate	2	26.8	1	12.1	5	15.0	7	12.4
----Bladder	1	13.4	1	12.1	2	6.0	5	8.9
--All Other (Malignant Neoplasms)	4	53.6	11	133.4	19	56.8	34	60.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	12.1	4	12.0	8	14.2
Diabetes Mellitus	2	26.8	5	60.6	13	38.9	27	47.8
Dementia	3	40.2	3	36.4	9	26.9	15	26.6
Alzheimer's Disease	9	120.6	0	0.0	13	38.9	37	65.5
Major Cardiovascular Disease	31	415.5	34	412.3	121	361.9	193	341.9
--Diseases of the Heart	27	361.9	27	327.4	94	281.2	149	264.0
----Ischemic Heart Disease	13	174.3	17	206.1	64	191.4	102	180.7
--Essential Hypertension and Hypertensive Renal Disease	2	26.8	0	0.0	2	6.0	8	14.2
--Cerebrovascular Diseases (Stroke)	0	0.0	7	84.9	20	59.8	36	63.8
--Arteriosclerosis	2	26.8	0	0.0	1	3.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	4	12.0	0	0.0
Influenza and Pneumonia	1	13.4	1	12.1	6	17.9	6	10.6
--Influenza	0	0.0	1	12.1	0	0.0	2	3.5
--Pneumonia	1	13.4	0	0.0	6	17.9	4	7.1
Chronic Lower Respiratory Diseases	12	160.9	9	109.1	27	80.8	54	95.7
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	1	1.8
Lung Diseases due to External Agents	0	0.0	1	12.1	3	9.0	5	8.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	3.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	26.8	0	0.0	2	6.0	9	15.9
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	4	48.5	7	20.9	9	15.9
Congenital Malformations	0	0.0	0	0.0	0	0.0	3	5.3
Ill-Defined and Unknown Causes of Death	1	13.4	4	48.5	2	6.0	8	14.2
Accidents, All Forms	6	80.4	2	24.3	19	56.8	68	120.5
--Motor Vehicle	0	0.0	1	12.1	6	17.9	18	31.9
--Falls	3	40.2	1	12.1	5	15.0	25	44.3
--Drownings	0	0.0	0	0.0	0	0.0	1	1.8
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	1	1.8
--Poisonings	1	13.4	0	0.0	6	17.9	20	35.4
--Other Accidents	2	26.8	0	0.0	2	6.0	3	5.3
Intentional Self-Harm (Suicide)	0	0.0	2	24.3	6	17.9	8	14.2
Assault (Homicide)	0	0.0	0	0.0	2	6.0	2	3.5
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	1	3.0	0	0.0
All Other Causes (Residual)	16	214.5	19	230.4	38	113.7	64	113.4

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	2	2.7	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	1,141	15.6	383	13.3	113	11.8	193	14.1
--Deaths Under One Year	3	4.0	2	6.9	0	0.0	3	20.8
--Deaths Under 28 Days	3	4.0	1	3.5	0	0.0	2	13.9
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	11	15.0	8	27.9	0	0.0	2	14.6
Human Immunodeficiency Virus Infection	1	1.4	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	201	274.0	72	250.9	25	261.7	39	284.9
--of Digestive Organs	54	73.6	22	76.7	7	73.3	13	95.0
----Colon	14	19.1	6	20.9	3	31.4	4	29.2
----Pancreas	14	19.1	6	20.9	3	31.4	2	14.6
--of Respiratory and Intrathoracic Organs	56	76.3	21	73.2	6	62.8	11	80.4
----Trachea, Bronchus and Lung	55	75.0	20	69.7	5	52.3	11	80.4
--of Breast	16	21.8	5	17.4	3	31.4	1	7.3
--of Genitourinary Organs	37	50.4	10	34.8	5	52.3	4	29.2
----Cervix Uteri	2	2.7	1	3.5	1	10.5	0	0.0
----Ovary	1	1.4	3	10.5	1	10.5	0	0.0
----Prostate	13	17.7	3	10.5	1	10.5	1	7.3
----Bladder	11	15.0	1	3.5	1	10.5	1	7.3
--All Other (Malignant Neoplasms)	38	51.8	14	48.8	4	41.9	10	73.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	5	6.8	4	13.9	2	20.9	0	0.0
Diabetes Mellitus	36	49.1	22	76.7	4	41.9	8	58.4
Dementia	34	46.3	8	27.9	4	41.9	8	58.4
Alzheimer's Disease	11	15.0	22	76.7	6	62.8	8	58.4
Major Cardiovascular Disease	343	467.6	108	376.4	37	387.3	62	453.0
--Diseases of the Heart	280	381.7	79	275.3	30	314.0	50	365.3
----Ischemic Heart Disease	207	282.2	50	174.2	19	198.9	33	241.1
--Essential Hypertension and Hypertensive Renal Disease	7	9.5	6	20.9	1	10.5	3	21.9
--Cerebrovascular Diseases (Stroke)	49	66.8	17	59.2	6	62.8	7	51.1
--Arteriosclerosis	0	0.0	3	10.5	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	7	9.5	3	10.5	0	0.0	2	14.6
Influenza and Pneumonia	15	20.4	6	20.9	0	0.0	2	14.6
--Influenza	1	1.4	1	3.5	0	0.0	0	0.0
--Pneumonia	14	19.1	5	17.4	0	0.0	2	14.6
Chronic Lower Respiratory Diseases	86	117.2	34	118.5	5	52.3	16	116.9
--Bronchitis, Emphysema and Asthma	2	2.7	3	10.5	0	0.0	0	0.0
Lung Diseases due to External Agents	9	12.3	4	13.9	0	0.0	1	7.3
--Coal Worker's Pneumoconiosis	1	1.4	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	18	24.5	5	17.4	2	20.9	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	20	27.3	8	27.9	2	20.9	3	21.9
Congenital Malformations	1	1.4	0	0.0	0	0.0	2	14.6
Ill-Defined and Unknown Causes of Death	8	10.9	2	7.0	1	10.5	0	0.0
Accidents, All Forms	127	173.1	23	80.2	10	104.7	15	109.6
--Motor Vehicle	17	23.2	6	20.9	4	41.9	6	43.8
--Falls	32	43.6	8	27.9	2	20.9	3	21.9
--Drownings	1	1.4	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	1	1.4	0	0.0	0	0.0	1	7.3
--Poisonings	69	94.1	6	20.9	3	31.4	2	14.6
--Other Accidents	7	9.5	3	10.5	1	10.5	3	21.9
Intentional Self-Harm (Suicide)	23	31.4	11	38.3	2	20.9	2	14.6
Assault (Homicide)	7	9.5	1	3.5	1	10.5	1	7.3
Injury Undetermined Whether Accidental or Purposely Inflicted	1	1.4	0	0.0	0	0.0	1	7.3
All Other Causes (Residual)	184	250.8	45	156.8	12	125.6	23	168.0

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	0	0.0	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	180	14.3	190	11.4	111	16.2	115	13.4
--Deaths Under One Year	1	9.5	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	1	8.0	3	18.0	1	14.6	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	37	294.3	44	263.6	26	380.2	20	232.8
--of Digestive Organs	11	87.5	15	89.8	4	58.5	5	58.2
----Colon	6	47.7	4	24.0	1	14.6	1	11.6
----Pancreas	2	15.9	7	41.9	2	29.2	2	23.3
--of Respiratory and Intrathoracic Organs	10	79.5	11	65.9	8	117.0	8	93.1
----Trachea, Bronchus and Lung	9	71.6	11	65.9	8	117.0	8	93.1
--of Breast	0	0.0	3	18.0	1	14.6	3	34.9
--of Genitourinary Organs	6	47.7	5	29.9	4	58.5	1	11.6
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	8.0	2	12.0	1	14.6	0	0.0
----Prostate	2	15.9	1	6.0	0	0.0	0	0.0
----Bladder	2	15.9	1	6.0	0	0.0	1	11.6
--All Other (Malignant Neoplasms)	10	79.5	10	59.9	9	131.6	3	34.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	8.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	4	31.8	10	59.9	3	43.9	0	0.0
Dementia	12	95.4	3	18.0	6	87.7	3	34.9
Alzheimer's Disease	1	8.0	5	29.9	4	58.5	0	0.0
Major Cardiovascular Disease	55	437.4	73	437.3	36	526.4	38	442.3
--Diseases of the Heart	45	357.9	50	299.5	28	409.4	34	395.8
----Ischemic Heart Disease	35	278.4	36	215.6	20	292.4	25	291.0
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	6	35.9	3	43.9	1	11.6
--Cerebrovascular Diseases (Stroke)	9	71.6	9	53.9	3	43.9	2	23.3
--Arteriosclerosis	0	0.0	6	35.9	1	14.6	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	8.0	2	12.0	1	14.6	1	11.6
Influenza and Pneumonia	3	23.9	2	12.0	1	14.6	1	11.6
--Influenza	1	8.0	0	0.0	0	0.0	0	0.0
--Pneumonia	2	15.9	2	12.0	1	14.6	1	11.6
Chronic Lower Respiratory Diseases	21	167.0	8	47.9	6	87.7	10	116.4
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	14.6	2	23.3
Lung Diseases due to External Agents	2	15.9	1	6.0	1	14.6	2	23.3
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	23.9	3	18.0	3	43.9	3	34.9
Nephritis, Nephrotic Syndrome and Nephrosis	5	39.8	2	12.0	1	14.6	1	11.6
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	8.0	0	0.0	1	14.6	1	11.6
Accidents, All Forms	9	71.6	4	24.0	7	102.4	12	139.7
--Motor Vehicle	0	0.0	2	12.0	2	29.2	3	34.9
--Falls	3	23.9	0	0.0	1	14.6	4	46.6
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	2	15.9	0	0.0	0	0.0	1	11.6
--Poisonings	3	23.9	2	12.0	1	14.6	2	23.3
--Other Accidents	1	8.0	0	0.0	3	43.9	2	23.3
Intentional Self-Harm (Suicide)	2	15.9	6	35.9	1	14.6	3	34.9
Assault (Homicide)	0	0.0	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)	23	182.9	26	155.7	14	204.7	21	244.4

West Virginia Bureau for Public Health Health Statistics Center, Vital Statistics System, 2022 *Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	1	4.1	3	7.6	0	0.0	1	5.5
Total Deaths, All Causes	258	10.7	523	13.3	124	15.3	221	14.7
--Deaths Under One Year	0	0.0	4	10.2	1	14.5	1	5.5
--Deaths Under 28 Days	0	0.0	3	7.6	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	16.5	9	22.8	2	24.6	1	6.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	6.6
Malignant Neoplasms	55	227.5	116	294.4	29	357.4	40	265.5
--of Digestive Organs	9	37.2	25	63.4	9	110.9	10	66.4
----Colon	4	16.5	5	12.7	4	49.3	3	19.9
----Pancreas	3	12.4	9	22.8	1	12.3	3	19.9
--of Respiratory and Intrathoracic Organs	17	70.3	38	96.4	11	135.6	13	86.3
----Trachea, Bronchus and Lung	17	70.3	37	93.9	11	135.6	13	86.3
--of Breast	3	12.4	4	10.2	1	12.3	2	13.3
--of Genitourinary Organs	11	45.5	21	53.3	2	24.6	4	26.6
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	2	8.3	2	5.1	0	0.0	0	0.0
----Prostate	4	16.5	7	17.8	0	0.0	1	6.6
----Bladder	1	4.1	8	20.3	0	0.0	1	6.6
--All Other (Malignant Neoplasms)	15	62.0	28	71.1	6	73.9	11	73.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	2.5	0	0.0	2	13.3
Diabetes Mellitus	4	16.5	19	48.2	3	37.0	4	26.6
Dementia	9	37.2	23	58.4	6	73.9	13	86.3
Alzheimer's Disease	9	37.2	22	55.8	3	37.0	7	46.5
Major Cardiovascular Disease	73	302.0	127	322.3	29	357.4	65	431.5
--Diseases of the Heart	55	227.5	95	241.1	19	234.2	47	312.0
----Ischemic Heart Disease	40	165.5	56	142.1	15	184.9	24	159.3
--Essential Hypertension and Hypertensive Renal Disease	3	12.4	13	33.0	5	61.6	3	19.9
--Cerebrovascular Diseases (Stroke)	10	41.4	17	43.1	3	37.0	13	86.3
--Arteriosclerosis	1	4.1	1	2.5	1	12.3	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	4	16.5	1	2.5	1	12.3	2	13.3
Influenza and Pneumonia	7	29.0	10	25.4	4	49.3	7	46.5
--Influenza	1	4.1	1	2.5	0	0.0	2	13.3
--Pneumonia	6	24.8	9	22.8	4	49.3	5	33.2
Chronic Lower Respiratory Diseases	34	140.6	36	91.4	12	147.9	13	86.3
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	2	8.3	1	2.5	3	37.0	4	26.6
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	8.3	6	15.2	5	61.6	5	33.2
Nephritis, Nephrotic Syndrome and Nephrosis	1	4.1	17	43.1	4	49.3	7	46.5
Congenital Malformations	0	0.0	2	5.1	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	8	20.3	0	0.0	1	6.6
Accidents, All Forms	21	86.9	43	109.1	10	123.2	13	86.3
--Motor Vehicle	7	29.0	7	17.8	0	0.0	0	0.0
--Falls	8	33.1	6	15.2	2	24.6	4	26.6
--Drownings	0	0.0	2	5.1	0	0.0	1	6.6
--Smoke, Fires and Flames	0	0.0	1	2.5	1	12.3	0	0.0
--Poisonings	2	8.3	24	60.9	4	49.3	4	26.6
--Other Accidents	4	16.5	3	7.6	3	37.0	4	26.6
Intentional Self-Harm (Suicide)	3	12.4	8	20.3	2	24.6	4	26.6
Assault (Homicide)	0	0.0	2	5.1	1	12.3	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	3	7.6	1	12.3	1	6.6
All Other Causes (Residual)	34	140.6	70	177.7	10	123.2	33	219.1

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Selected Causes of Resident Deaths: Number and Rate* by County
West Virginia, 2019
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	0	0.0	1	1.2	3	13.1	86	4.8
Total Deaths, All Causes	57	9.8	1,112	13.3	291	14.3	23,291	13.0
--Deaths Under One Year	1	15.4	6	7.2	0	0.0	112	6.2
--Deaths Under 28 Days	0	0.0	4	4.8	0	0.0	74	4.1
Tuberculosis	0	0.0	0	0.0	1	4.9	3	0.2
Septicemia	1	17.2	13	15.6	7	34.3	350	19.5
Human Immunodeficiency Virus Infection	0	0.0	1	1.2	0	0.0	16	0.9
Malignant Neoplasms	15	257.7	219	262.2	55	269.7	4,597	256.5
--of Digestive Organs	5	85.9	45	53.9	13	63.7	1,161	64.8
----Colon	1	17.2	15	18.0	5	24.5	336	18.7
----Pancreas	0	0.0	15	18.0	4	19.6	315	17.6
--of Respiratory and Intrathoracic Organs	3	51.5	75	89.8	20	98.1	1,357	75.7
----Trachea, Bronchus and Lung	3	51.5	71	85.0	17	83.4	1,311	73.2
--of Breast	0	0.0	10	12.0	4	19.6	285	15.9
--of Genitourinary Organs	3	51.5	24	28.7	5	24.5	662	36.9
----Cervix Uteri	0	0.0	1	1.2	2	9.8	39	2.2
----Ovary	0	0.0	2	2.4	0	0.0	90	5.0
----Prostate	2	34.4	5	6.0	0	0.0	197	11.0
----Bladder	0	0.0	7	8.4	0	0.0	121	6.8
--All Other (Malignant Neoplasms)	4	68.7	65	77.8	13	63.7	1,132	63.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	34.4	12	14.4	1	4.9	124	6.9
Diabetes Mellitus	5	85.9	50	59.9	6	29.4	952	53.1
Dementia	1	17.2	23	27.5	13	63.7	931	51.9
Alzheimer's Disease	4	68.7	62	74.2	9	44.1	830	46.3
Major Cardiovascular Disease	14	240.5	340	407.1	88	431.5	6,665	371.9
--Diseases of the Heart	10	171.8	266	318.5	56	274.6	5,085	283.7
----Ischemic Heart Disease	7	120.3	178	213.1	41	201.0	3,257	181.7
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	13	15.6	10	49.0	309	17.2
--Cerebrovascular Diseases (Stroke)	4	68.7	53	63.5	18	88.3	1,029	57.4
--Arteriosclerosis	0	0.0	2	2.4	0	0.0	95	5.3
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	6	7.2	4	19.6	147	8.2
Influenza and Pneumonia	0	0.0	23	27.5	2	9.8	397	22.2
--Influenza	0	0.0	4	4.8	0	0.0	44	2.5
--Pneumonia	0	0.0	19	22.7	2	9.8	353	19.7
Chronic Lower Respiratory Diseases	3	51.5	78	93.4	22	107.9	1,664	92.8
--Bronchitis, Emphysema and Asthma	0	0.0	5	6.0	1	4.9	49	2.7
Lung Diseases due to External Agents	0	0.0	6	7.2	6	29.4	187	10.4
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	2	9.8	26	1.5
Chronic Liver Disease and Cirrhosis	0	0.0	24	28.7	4	19.6	389	21.7
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	12	14.4	3	14.7	414	23.1
Congenital Malformations	0	0.0	4	4.8	1	4.9	64	3.6
Ill-Defined and Unknown Causes of Death	0	0.0	2	2.4	2	9.8	255	14.2
Accidents, All Forms	3	51.5	62	74.2	26	127.5	1,876	104.7
--Motor Vehicle	0	0.0	9	10.8	2	9.8	330	18.4
--Falls	0	0.0	9	10.8	7	34.3	454	25.3
--Drownings	0	0.0	2	2.4	0	0.0	26	1.5
--Smoke, Fires and Flames	0	0.0	3	3.6	0	0.0	23	1.3
--Poisonings	3	51.5	33	39.5	13	63.7	868	48.4
--Other Accidents	0	0.0	6	7.2	4	19.6	175	9.8
Intentional Self-Harm (Suicide)	1	17.2	14	16.8	4	19.6	333	18.6
Assault (Homicide)	0	0.0	6	7.2	0	0.0	96	5.4
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	3	3.6	1	4.9	57	3.2
All Other Causes (Residual)	8	137.4	158	189.2	40	196.1	3,091	172.5

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Marriages by County of Occurrence
Male-Female, Same-Sex, and All Marriages
West Virginia, 2019
Table 76

County	Male-Female Marriages	Same-Sex Marriages	All Marriages	County	Male-Female Marriages	Same-Sex Marriages	All Marriages
Barbour	70	0	70	Monongalia	571	17	588
Berkeley	584	13	597	Monroe	73	0	73
Boone	114	1	115	Morgan	113	4	117
Braxton	80	0	80	Nicholas	144	0	144
Brooke	103	6	109	Ohio	259	12	271
Cabell	631	34	665	Pendleton	52	1	53
Calhoun	35	0	35	Pleasants	42	0	42
Clay	46	0	46	Pocahontas	47	0	47
Doddridge	40	0	40	Preston	168	4	172
Fayette	232	3	235	Putnam	265	4	269
Gilmer	39	0	39	Raleigh	513	14	527
Grant	69	0	69	Randolph	161	4	165
Greenbrier	214	2	216	Ritchie	47	0	47
Hampshire	107	1	108	Roane	91	0	91
Hancock	146	3	149	Summers	71	0	71
Hardy	87	1	88	Taylor	82	1	83
Harrison	416	7	423	Tucker	48	0	48
Jackson	186	4	190	Tyler	34	2	36
Jefferson	342	11	353	Upshur	142	2	144
Kanawha	1,086	37	1,123	Wayne	162	0	162
Lewis	105	3	108	Webster	51	0	51
Lincoln	90	0	90	Wetzel	79	2	81
Logan	261	2	263	Wirt	34	0	34
McDowell	104	1	105	Wood	530	13	543
Marion	364	10	374	Wyoming	141	2	143
Marshall	181	2	183				
Mason	138	2	140				
Mercer	505	12	517	Total	10,467	238	10,705
Mineral	0	0	0				
Mingo	172	1	173				

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All Marriages by Month of Occurrence
West Virginia by County, 2019
Table 77

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	4	1	1	7	2	11	9	9	6	9	5	6	70
Berkeley	14	26	33	37	38	100	53	58	72	80	48	38	597
Boone	4	4	6	9	15	16	12	8	10	15	7	9	115
Braxton	4	1	3	6	6	3	11	7	19	11	6	3	80
Brooke	2	9	4	7	15	14	12	13	13	5	9	6	109
Cabell	24	31	47	48	87	101	54	64	56	79	37	37	665
Calhoun	1	0	2	2	1	6	5	2	5	8	3	0	35
Clay	6	5	4	4	3	5	0	2	7	5	2	3	46
Doddridge	1	1	2	1	4	6	5	4	4	11	1	0	40
Fayette	14	8	13	17	18	19	28	22	26	31	23	16	235
Gilmer	2	0	2	3	2	5	7	4	1	8	4	1	39
Grant	2	2	5	4	8	14	3	4	9	9	5	4	69
Greenbrier	6	11	12	12	18	41	23	24	21	32	6	10	216
Hampshire	0	6	5	6	9	9	11	21	20	10	8	3	108
Hancock	6	7	8	10	13	18	10	18	19	21	9	10	149
Hardy	2	4	4	6	8	7	10	5	17	19	3	3	88
Harrison	14	15	20	24	24	40	35	42	63	93	27	26	423
Jackson	8	17	12	10	4	16	16	18	26	33	12	18	190
Jefferson	12	5	13	19	41	45	46	29	35	58	28	22	353
Kanawha	50	53	74	91	123	141	78	103	126	135	82	67	1,123
Lewis	1	5	3	9	12	14	9	16	12	14	7	6	108
Lincoln	4	8	2	1	8	8	11	8	14	13	8	5	90
Logan	13	23	17	22	22	29	18	23	19	32	23	22	263
McDowell	5	4	8	7	10	16	12	8	11	14	4	6	105
Marion	10	16	22	19	38	55	47	31	44	47	24	21	374
Marshall	8	6	11	12	21	23	15	15	29	21	7	15	183
Mason	4	4	11	6	12	11	15	20	21	20	6	10	140
Mercer	28	20	48	34	45	72	42	62	52	49	36	29	517
Mineral	0	0	0	0	0	0	0	0	0	0	0	0	0
Mingo	10	5	19	12	18	27	14	13	21	19	11	4	173
Monongalia	21	27	27	36	59	76	75	53	77	76	36	25	588
Monroe	0	2	3	6	9	14	6	7	11	10	3	2	73
Morgan	6	6	4	8	7	19	5	17	11	20	6	8	117
Nicholas	2	14	10	9	16	22	17	18	12	10	5	9	144
Ohio	8	10	14	16	28	31	34	29	41	31	19	10	271
Pendleton	1	1	3	9	2	5	5	7	8	6	5	1	53
Pleasants	3	2	3	2	2	7	3	7	4	3	4	2	42
Pocahontas	3	1	2	2	3	11	1	8	6	6	2	2	47
Preston	5	10	11	11	13	22	18	33	18	16	6	9	172
Putnam	10	16	19	19	27	27	26	23	36	40	14	12	269
Raleigh	21	23	24	40	51	57	59	64	51	78	21	38	527
Randolph	7	7	11	2	18	21	23	21	22	19	10	4	165
Ritchie	1	1	4	3	7	2	4	7	5	8	4	1	47
Roane	5	9	5	4	6	7	6	9	6	11	10	13	91
Summers	2	1	4	3	9	11	4	5	10	8	4	10	71
Taylor	4	5	3	8	6	10	10	9	8	10	4	6	83
Tucker	3	4	2	1	2	4	6	9	8	6	2	1	48
Tyler	0	1	2	3	2	5	3	5	6	5	1	3	36
Upshur	5	7	10	13	8	13	10	13	19	22	10	14	144
Wayne	7	9	6	13	22	16	14	16	13	25	9	12	162
Webster	2	6	0	2	4	8	4	6	6	9	2	2	51
Wetzel	1	2	8	3	7	14	7	12	12	9	2	4	81
Wirt	5	1	0	2	7	7	3	1	5	2	1	0	34
Wood	26	31	35	40	56	46	46	46	66	84	32	35	543
Wyoming	6	8	12	10	18	23	17	10	17	8	8	6	143
Total	413	501	633	710	1,014	1,350	1,017	1,088	1,256	1,423	671	629	10,705

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Male-Female Marriages by Month of Occurrence
West Virginia by County, 2019
Table 78

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	4	1	1	7	2	11	9	9	6	9	5	6	70
Berkeley	14	25	32	37	36	98	50	57	71	79	48	37	584
Boone	4	3	6	9	15	16	12	8	10	15	7	9	114
Braxton	4	1	3	6	6	3	11	7	19	11	6	3	80
Brooke	2	8	4	6	15	11	12	13	13	5	9	5	103
Cabell	23	29	44	42	85	96	52	63	55	75	33	34	631
Calhoun	1	0	2	2	1	6	5	2	5	8	3	0	35
Clay	6	5	4	4	3	5	0	2	7	5	2	3	46
Doddridge	1	1	2	1	4	6	5	4	4	11	1	0	40
Fayette	14	8	13	16	18	19	27	22	26	30	23	16	232
Gilmer	2	0	2	3	2	5	7	4	1	8	4	1	39
Grant	2	2	5	4	8	14	3	4	9	9	5	4	69
Greenbrier	6	11	12	12	17	41	23	23	21	32	6	10	214
Hampshire	0	6	5	6	9	8	11	21	20	10	8	3	107
Hancock	6	7	8	9	13	18	9	18	18	21	9	10	146
Hardy	2	4	4	6	8	7	10	5	17	18	3	3	87
Harrison	14	15	20	22	22	39	35	42	62	92	27	26	416
Jackson	8	17	12	10	4	15	15	18	26	33	10	18	186
Jefferson	12	5	12	18	41	44	45	29	33	55	26	22	342
Kanawha	48	51	70	89	117	139	74	99	123	130	81	65	1,086
Lewis	0	5	3	9	12	14	9	16	12	12	7	6	105
Lincoln	4	8	2	1	8	8	11	8	14	13	8	5	90
Logan	13	23	16	22	22	28	18	23	19	32	23	22	261
McDowell	5	4	8	7	10	16	12	8	11	13	4	6	104
Marion	9	16	21	18	38	52	46	31	44	44	24	21	364
Marshall	8	6	11	12	21	22	15	14	29	21	7	15	181
Mason	4	2	11	6	12	11	15	20	21	20	6	10	138
Mercer	27	20	45	33	44	72	42	58	50	49	36	29	505
Mineral	0	0	0	0	0	0	0	0	0	0	0	0	0
Mingo	9	5	19	12	18	27	14	13	21	19	11	4	172
Monongalia	21	27	26	36	58	73	72	48	77	75	35	23	571
Monroe	0	2	3	6	9	14	6	7	11	10	3	2	73
Morgan	6	6	4	8	7	18	4	16	11	19	6	8	113
Nicholas	2	14	10	9	16	22	17	18	12	10	5	9	144
Ohio	7	10	13	13	27	31	32	29	41	27	19	10	259
Pendleton	1	1	3	9	2	5	5	7	8	5	5	1	52
Pleasants	3	2	3	2	2	7	3	7	4	3	4	2	42
Pocahontas	3	1	2	2	3	11	1	8	6	6	2	2	47
Preston	5	10	9	11	13	22	17	33	17	16	6	9	168
Putnam	10	16	18	19	27	27	26	23	35	38	14	12	265
Raleigh	21	23	23	39	50	56	57	60	51	76	20	37	513
Randolph	7	7	11	2	18	20	23	20	22	19	9	3	161
Ritchie	1	1	4	3	7	2	4	7	5	8	4	1	47
Roane	5	9	5	4	6	7	6	9	6	11	10	13	91
Summers	2	1	4	3	9	11	4	5	10	8	4	10	71
Taylor	4	5	3	8	6	10	9	9	8	10	4	6	82
Tucker	3	4	2	1	2	4	6	9	8	6	2	1	48
Tyler	0	1	2	3	1	5	3	5	5	5	1	3	34
Upshur	5	7	9	13	8	13	9	13	19	22	10	14	142
Wayne	7	9	6	13	22	16	14	16	13	25	9	12	162
Webster	2	6	0	2	4	8	4	6	6	9	2	2	51
Wetzel	1	1	8	3	7	14	7	12	12	9	2	3	79
Wirt	5	1	0	2	7	7	3	1	5	2	1	0	34
Wood	26	31	34	39	55	45	46	45	62	82	32	33	530
Wyoming	6	8	11	9	18	23	17	10	17	8	8	6	141
Total	405	491	610	688	995	1,322	992	1,064	1,238	1,388	659	615	10,467

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Number of Marriages by County
West Virginia, 2015-2019
Table 79

County	2015	2016	2017	2018	2019	County	2015	2016	2017	2018	2019
Barbour	93	92	114	96	70	Monongalia	695	603	672	615	588
Berkeley	634	647	640	593	597	Monroe	81	74	75	77	73
Boone	160	155	134	147	115	Morgan	102	119	139	100	117
Braxton	79	91	83	86	80	Nicholas	162	176	179	157	144
Brooke	132	113	110	115	109	Ohio	345	281	293	287	271
Cabell	808	752	640	652	665	Pendleton	37	43	47	42	53
Calhoun	44	50	31	40	35	Pleasants	67	56	63	58	42
Clay	66	66	75	62	46	Pocahontas	58	59	58	43	47
Doddridge	62	53	52	45	40	Preston	169	177	171	159	172
Fayette	325	289	300	275	235	Putnam	364	327	339	307	269
Gilmer	48	56	45	48	39	Raleigh	498	471	470	481	527
Grant	70	68	85	72	69	Randolph	184	169	185	174	165
Greenbrier	233	244	226	230	216	Ritchie	83	59	69	52	47
Hampshire	101	90	100	98	108	Roane	112	93	88	88	91
Hancock	161	152	141	116	149	Summers	69	70	82	70	71
Hardy	101	105	81	71	88	Taylor	104	100	86	66	83
Harrison	486	424	445	447	423	Tucker	64	48	47	61	48
Jackson	223	178	167	186	190	Tyler	49	51	44	48	36
Jefferson	338	326	310	344	353	Upshur	187	166	163	181	144
Kanawha	1,194	1,280	1,189	1,111	1,123	Wayne	217	221	200	178	162
Lewis	116	97	125	126	108	Webster	59	62	64	44	51
Lincoln	123	156	126	93	90	Wetzel	89	86	84	93	81
Logan	300	248	253	268	263	Wirt	40	35	42	32	34
McDowell	135	117	127	105	105	Wood	653	592	549	512	543
Marion	408	371	365	386	374	Wyoming	153	131	162	139	143
Marshall	223	219	196	209	183						
Mason	179	147	148	152	140						
Mercer	462	444	459	489	517	Total	12,296	11,664	11,464	10,950	10,705
Mineral	165	180	156	37	0						
Mingo	186	185	170	187	173						

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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, 2019
Table 80

County	Male-Female			Same-Sex			All Divorces		
	Divorce	Annulment	Total	Divorces	Annulments	Total	Divorces	Annulments	Total
Barbour	51	0	51	2	0	2	53	0	53
Berkeley	421	0	421	9	0	9	430	0	430
Boone	104	0	104	3	0	3	107	0	107
Braxton	33	0	33	2	0	2	35	0	35
Brooke	57	0	57	3	0	3	60	0	60
Cabell	283	1	284	12	0	12	295	1	296
Calhoun	22	0	22	0	0	0	22	0	22
Clay	32	0	32	1	0	1	33	0	33
Doddridge	20	0	20	0	0	0	20	0	20
Fayette	229	0	229	2	0	2	231	0	231
Gilmer	14	0	14	0	0	0	14	0	14
Grant	35	0	35	0	0	0	35	0	35
Greenbrier	123	0	123	1	0	1	124	0	124
Hampshire	95	0	95	0	0	0	95	0	95
Hancock	67	0	67	0	0	0	67	0	67
Hardy	78	0	78	1	0	1	79	0	79
Harrison	258	1	259	6	0	6	264	1	265
Jackson	104	0	104	5	0	5	109	0	109
Jefferson	171	0	171	5	0	5	176	0	176
Kanawha	678	1	679	15	0	15	693	1	694
Lewis	77	0	77	4	0	4	81	0	81
Lincoln	65	0	65	1	0	1	66	0	66
Logan	143	0	143	2	0	2	145	0	145
McDowell	79	0	79	3	0	3	82	0	82
Marion	50	0	50	2	0	2	52	0	52
Marshall	100	0	100	2	0	2	102	0	102
Mason	91	0	91	1	0	1	92	0	92
Mercer	296	0	296	11	0	11	307	0	307
Mineral	95	0	95	4	0	4	99	0	99
Mingo	130	0	130	1	0	1	131	0	131
Monongalia	217	0	217	16	0	16	233	0	233
Monroe	45	0	45	1	0	1	46	0	46
Morgan	61	0	61	4	0	4	65	0	65
Nicholas	118	0	118	1	0	1	119	0	119
Ohio	77	0	77	3	0	3	80	0	80
Pendleton	28	0	28	0	0	0	28	0	28
Pleasants	28	0	28	2	0	2	30	0	30
Pocahontas	30	0	30	1	0	1	31	0	31
Preston	112	0	112	1	0	1	113	0	113
Putnam	221	1	222	2	0	2	223	1	224
Raleigh	358	0	358	9	0	9	367	0	367
Randolph	2	0	2	0	0	0	2	0	2
Ritchie	42	0	42	0	0	0	42	0	42
Roane	65	0	65	0	0	0	65	0	65
Summers	46	0	46	1	0	1	47	0	47
Taylor	65	0	65	0	0	0	65	0	65
Tucker	27	0	27	0	0	0	27	0	27
Tyler	31	0	31	0	0	0	31	0	31
Upshur	103	0	103	4	0	4	107	0	107
Wayne	142	0	142	6	0	6	148	0	148
Webster	43	0	43	1	0	1	44	0	44
Wetzel	60	0	60	2	0	2	62	0	62
Wirt	26	0	26	0	0	0	26	0	26
Wood	317	0	317	11	0	11	328	0	328
Wyoming	100	0	100	3	0	3	103	0	103
Total	6,365	4	6,369	166	0	166	6,531	4	6,535

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All Divorces and Annulments by Month of Occurrence
West Virginia by County, 2019
Table 81

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	0	0	5	12	10	2	6	2	2	5	0	6	53
Berkeley	18	18	44	38	39	42	51	42	28	43	29	38	430
Boone	9	8	4	13	16	9	11	8	6	6	5	12	107
Braxton	3	6	2	4	1	9	2	2	2	1	2	1	35
Brooke	6	3	5	4	2	3	1	6	4	10	3	13	60
Cabell	35	0	27	32	24	28	22	40	0	37	30	21	296
Calhoun	2	2	1	1	5	2	2	2	0	0	1	4	22
Clay	1	0	2	0	1	5	2	4	3	4	2	9	33
Doddridge	3	2	2	0	2	3	2	2	2	1	1	0	20
Fayette	15	15	24	17	23	22	21	23	11	25	25	10	231
Gilmer	0	0	0	0	4	1	1	3	1	0	3	1	14
Grant	2	1	5	7	2	0	5	6	4	0	1	2	35
Greenbrier	15	10	1	0	14	13	12	16	10	14	8	11	124
Hampshire	7	6	11	14	8	7	1	9	13	6	5	8	95
Hancock	5	4	2	7	4	1	11	6	11	2	10	4	67
Hardy	8	5	8	6	4	4	4	9	8	11	6	6	79
Harrison	28	21	12	20	27	12	21	28	30	30	20	16	265
Jackson	13	13	7	0	6	4	12	6	8	10	20	10	109
Jefferson	18	15	12	19	0	13	14	17	13	19	16	20	176
Kanawha	36	58	60	85	60	64	67	51	89	71	51	2	694
Lewis	4	3	5	5	15	5	5	4	12	11	3	9	81
Lincoln	5	8	6	8	3	5	2	4	11	6	5	3	66
Logan	33	12	15	12	16	19	0	0	6	11	13	8	145
McDowell	10	4	11	13	6	6	2	11	7	7	2	3	82
Marion	3	5	18	0	1	0	5	12	6	0	0	2	52
Marshall	5	9	11	3	5	8	12	10	14	3	11	11	102
Mason	1	13	4	8	6	9	9	8	5	4	12	13	92
Mercer	28	23	26	34	22	18	27	29	22	28	31	19	307
Mineral	6	0	11	10	9	7	9	8	8	9	12	10	99
Mingo	12	17	12	8	12	7	16	15	12	7	7	6	131
Monongalia	19	26	18	30	17	2	32	26	20	19	9	15	233
Monroe	3	3	5	3	4	6	4	4	2	7	3	2	46
Morgan	6	11	4	4	3	3	3	5	7	2	7	10	65
Nicholas	11	9	10	12	5	10	10	8	14	9	5	16	119
Ohio	5	7	6	4	11	7	5	5	8	7	7	8	80
Pendleton	3	4	3	1	2	2	1	7	0	2	0	3	28
Pleasants	4	2	3	6	0	4	3	4	0	2	1	1	30
Pocahontas	3	4	1	8	3	0	5	2	1	1	3	0	31
Preston	9	15	8	12	4	11	9	10	4	15	6	10	113
Putnam	16	22	22	17	20	21	13	24	24	18	13	14	224
Raleigh	28	26	26	29	24	39	26	30	26	46	38	29	367
Randolph	0	1	0	0	0	0	0	1	0	0	0	0	2
Ritchie	4	3	3	2	2	3	7	4	7	1	3	3	42
Roane	4	2	9	4	7	11	2	7	1	7	2	9	65
Summers	2	2	5	6	6	5	2	8	3	3	2	3	47
Taylor	3	7	6	6	7	10	4	3	4	7	4	4	65
Tucker	3	1	2	4	1	0	2	2	1	2	5	4	27
Tyler	4	1	4	3	6	3	2	2	0	0	4	2	31
Upshur	8	14	6	10	5	6	8	7	9	16	9	9	107
Wayne	0	18	14	13	10	16	15	12	10	18	10	12	148
Webster	4	3	2	0	6	3	3	7	3	6	6	1	44
Wetzel	6	6	5	5	1	5	6	6	3	8	7	4	62
Wirt	1	3	1	3	1	1	3	2	1	3	3	4	26
Wood	25	27	43	34	35	22	18	15	24	34	31	20	328
Wyoming	7	6	8	10	11	11	9	4	12	12	8	5	103
Total	509	504	567	606	538	529	547	588	532	626	520	466	6,535

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Male-Female Divorces and Annulments by Month of Occurrence
West Virginia by County, 2019
Table 82

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	0	0	5	11	10	2	5	2	2	5	0	6	51
Berkeley	17	18	43	34	38	42	50	42	28	42	29	38	421
Boone	8	8	4	13	16	9	11	7	6	5	5	12	104
Braxton	1	6	2	4	1	9	2	2	2	1	2	1	33
Brooke	6	3	5	4	2	3	1	6	4	7	3	13	57
Cabell	32	0	26	32	23	28	22	39	0	33	28	21	284
Calhoun	2	2	1	1	5	2	2	2	0	0	1	4	22
Clay	1	0	2	0	1	5	1	4	3	4	2	9	32
Doddridge	3	2	2	0	2	3	2	2	2	1	1	0	20
Fayette	15	15	24	17	23	21	20	23	11	25	25	10	229
Gilmer	0	0	0	0	4	1	1	3	1	0	3	1	14
Grant	2	1	5	7	2	0	5	6	4	0	1	2	35
Greenbrier	15	10	1	0	14	13	12	16	10	13	8	11	123
Hampshire	7	6	11	14	8	7	1	9	13	6	5	8	95
Hancock	5	4	2	7	4	1	11	6	11	2	10	4	67
Hardy	8	5	7	6	4	4	4	9	8	11	6	6	78
Harrison	26	21	12	20	26	12	21	27	29	29	20	16	259
Jackson	12	12	6	0	6	4	12	6	8	10	18	10	104
Jefferson	16	15	12	19	0	13	12	17	13	18	16	20	171
Kanawha	36	58	60	82	58	62	66	51	86	68	50	2	679
Lewis	4	3	4	5	14	5	5	4	11	11	2	9	77
Lincoln	5	8	5	8	3	5	2	4	11	6	5	3	65
Logan	31	12	15	12	16	19	0	0	6	11	13	8	143
McDowell	10	4	11	13	6	5	2	11	6	6	2	3	79
Marion	3	5	17	0	1	0	5	12	5	0	0	2	50
Marshall	5	8	11	3	5	8	12	9	14	3	11	11	100
Mason	1	13	4	8	6	9	9	7	5	4	12	13	91
Mercer	28	22	26	31	22	17	26	28	22	28	29	17	296
Mineral	6	0	11	9	8	7	9	8	8	9	12	8	95
Mingo	12	17	12	8	12	7	16	14	12	7	7	6	130
Monongalia	17	20	18	27	16	2	32	26	18	17	9	15	217
Monroe	3	3	5	3	4	6	4	3	2	7	3	2	45
Morgan	6	10	4	4	3	3	3	4	7	2	6	9	61
Nicholas	11	9	10	12	5	9	10	8	14	9	5	16	118
Ohio	5	6	6	4	11	7	5	4	7	7	7	8	77
Pendleton	3	4	3	1	2	2	1	7	0	2	0	3	28
Pleasants	4	1	3	5	0	4	3	4	0	2	1	1	28
Pocahontas	3	4	1	8	3	0	5	2	1	0	3	0	30
Preston	9	15	8	12	4	10	9	10	4	15	6	10	112
Putnam	16	22	21	17	20	21	13	24	24	18	12	14	222
Raleigh	25	25	26	27	24	38	26	30	26	46	38	27	358
Randolph	0	1	0	0	0	0	0	1	0	0	0	0	2
Ritchie	4	3	3	2	2	3	7	4	7	1	3	3	42
Roane	4	2	9	4	7	11	2	7	1	7	2	9	65
Summers	2	2	5	6	6	4	2	8	3	3	2	3	46
Taylor	3	7	6	6	7	10	4	3	4	7	4	4	65
Tucker	3	1	2	4	1	0	2	2	1	2	5	4	27
Tyler	4	1	4	3	6	3	2	2	0	0	4	2	31
Upshur	8	13	6	10	5	5	8	7	9	15	9	8	103
Wayne	0	16	13	13	10	16	14	11	10	17	10	12	142
Webster	3	3	2	0	6	3	3	7	3	6	6	1	43
Wetzel	6	6	5	5	0	5	6	6	3	8	6	4	60
Wirt	1	3	1	3	1	1	3	2	1	3	3	4	26
Wood	23	27	42	33	35	20	17	15	22	34	31	18	317
Wyoming	6	6	8	9	11	10	9	4	12	12	8	5	100
Total	486	488	557	586	529	516	537	577	520	605	509	456	6,369

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Divorces and Annulments by County of Occurrence
West Virginia, 2015-2019
Table 83

County	2015	2016	2017	2018	2019	County	2015	2016	2017	2018	2019
Barbour	5	0	43	65	53	Monongalia	223	167	188	243	233
Berkeley	437	398	62	1	430	Monroe	79	45	15	0	46
Boone	85	70	113	112	107	Morgan	38	59	59	71	65
Braxton	40	55	27	33	35	Nicholas	145	125	152	0	119
Brooke	80	85	80	0	60	Ohio	103	110	135	125	80
Cabell	404	384	400	345	296	Pendleton	24	31	20	31	28
Calhoun	41	32	49	28	22	Pleasants	33	26	38	23	30
Clay	67	58	38	34	33	Pocahontas	39	28	22	28	31
Doddridge	33	31	44	41	20	Preston	126	97	138	119	113
Fayette	254	189	187	195	231	Putnam	289	274	187	293	224
Gilmer	20	26	21	19	14	Raleigh	329	405	413	350	367
Grant	50	60	55	52	35	Randolph	56	73	151	56	2
Greenbrier	52	101	69	0	124	Ritchie	42	37	25	51	42
Hampshire	84	96	54	70	95	Roane	72	81	83	69	65
Hancock	105	101	85	95	67	Summers	61	49	55	37	47
Hardy	61	53	82	65	79	Taylor	82	63	46	73	65
Harrison	254	253	237	250	265	Tucker	34	27	27	28	27
Jackson	114	125	110	91	109	Tyler	37	37	38	29	31
Jefferson	169	145	164	180	176	Upshur	131	99	126	95	107
Kanawha	737	761	683	822	694	Wayne	208	197	198	129	148
Lewis	79	74	65	53	81	Webster	47	58	49	54	44
Lincoln	98	114	99	105	66	Wetzel	59	51	42	58	62
Logan	192	166	229	174	145	Wirt	35	19	35	33	26
McDowell	79	97	98	73	82	Wood	434	390	382	329	328
Marion	179	33	63	45	52	Wyoming	149	108	117	81	103
Marshall	119	106	87	105	102						
Mason	142	113	89	93	92						
Mercer	377	374	217	252	307	Total	7,523	7,038	6,502	5,879	6,535
Mineral	90	129	94	76	99						
Mingo	201	153	117	0	131						

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Note: All divorces regardless of gender.



West Virginia Vital Statistics
City-Level Data

Number and Rate of Births by City of Residence
West Virginia, 2019
Table 84

50 Most Populated Cities	2019 Population Estimate*	Resident Births	Rate per 1,000 Population
Barboursville	4,258	31	7.3
Beckley	15,940	195	12.2
Bluefield	9,629	113	11.7
Bridgeport	8,842	88	10.0
Buckhannon	5,394	39	7.2
Charles Town	6,029	35	5.8
Charleston	46,536	501	10.8
Clarksburg	15,225	181	11.9
Dunbar	7,093	57	8.0
Elkins	6,990	81	11.6
Fairmont	18,388	217	11.8
Fayetteville	2,720	16	5.9
Follansbee	2,710	27	10.0
Grafton	4,982	50	10.0
Granville	3,140	17	5.4
Huntington	45,110	539	11.9
Hurricane	6,430	69	10.7
Kenova	2,961	28	9.5
Keyser	4,915	45	9.2
Kingwood	3,057	45	14.7
Lewisburg	3,807	25	6.6
Madison	2,673	26	9.7
Martinsburg	17,454	279	16.0
Milton	2,533	18	7.1
Moorefield	2,418	33	13.6
Morgantown	30,549	205	6.7
Moundsville	8,252	83	10.1
New Martinsville	5,118	75	14.7
Nitro	6,373	71	11.1
Oak Hill	8,098	77	9.5
Parkersburg	29,306	306	10.4
Petersburg	2,655	27	10.2
Philippi	3,257	44	13.5
Pleasant Valley	3,141	17	5.4
Point Pleasant	4,062	41	10.1
Princeton	5,675	54	9.5
Ranson	5,239	59	11.3
Ravenswood	3,643	55	15.1
Ripley	3,159	33	10.4
Saint Albans	9,918	106	10.7
South Charleston	12,047	137	11.4
Summersville	3,274	25	7.6
Vienna	10,124	111	11.0
Weirton	18,266	183	10.0
Wellsburg	2,530	24	9.5
Weston	3,857	35	9.1
Westover	4,173	33	7.9
Wheeling	26,430	210	7.9
Williamson	2,676	32	12.0
Williamstown	2,869	17	5.9

*Census Population Estimates for Incorporated Places in WV
Source: Population Division, U.S. Census Bureau - Release Date: July 1, 2020
West Virginia Bureau for Public Health
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Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
Table 85

Selected Causes of Death	Number and Rate by City							
	Barbourville		Beckley		Bluefield		Bridgeport	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	2	17.7	1	11.4
Total Deaths, All Causes	58	13.6	250	15.7	148	15.4	102	11.5
--Deaths Under One Year	0	0.0	1	5.1	3	26.5	1	11.4
--Deaths Under 28 Days	0	0.0	1	5.1	2	17.7	1	11.4
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	2	12.5	3	31.2	1	11.3
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	10.4	0	0.0
Malignant Neoplasms	9	211.4	47	294.9	30	311.6	18	203.6
--of Digestive Organs	2	47.0	13	81.6	9	93.5	8	90.5
----Colon	1	23.5	3	18.8	1	10.4	3	33.9
----Pancreas	1	23.5	4	25.1	3	31.2	3	33.9
--of Respiratory and Intrathoracic Organs	3	70.5	12	75.3	9	93.5	3	33.9
----Trachea, Bronchus and Lung	3	70.5	12	75.3	8	83.1	3	33.9
--of Breast	1	23.5	5	31.4	1	10.4	0	0.0
--of Genitourinary Organs	1	23.5	12	75.3	4	41.5	3	33.9
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	23.5	0	0.0	2	20.8	0	0.0
----Prostate	0	0.0	6	37.6	1	10.4	2	22.6
----Bladder	0	0.0	2	12.5	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	2	47.0	5	31.4	7	72.7	4	45.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	23.5	2	12.5	0	0.0	0	0.0
Diabetes Mellitus	2	47.0	7	43.9	10	103.9	6	67.9
Dementia	6	140.9	13	81.6	5	51.9	0	0.0
Alzheimer's Disease	3	70.5	3	18.8	5	51.9	4	45.2
Major Cardiovascular Disease	19	446.2	65	407.8	38	394.6	45	508.9
--Diseases of the Heart	14	328.8	52	326.2	30	311.6	26	294.1
----Ischemic Heart Disease	7	164.4	38	238.4	19	197.3	19	214.9
--Essential Hypertension and Hypertensive Renal Disease	1	23.5	1	6.3	3	31.2	2	22.6
--Cerebrovascular Diseases (Stroke)	4	93.9	10	62.7	3	31.2	7	79.2
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	9	101.8
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	12.5	2	20.8	1	11.3
Influenza and Pneumonia	2	47.0	3	18.8	2	20.8	2	22.6
--Influenza	1	23.5	0	0.0	0	0.0	0	0.0
--Pneumonia	1	23.5	3	18.8	2	20.8	2	22.6
Chronic Lower Respiratory Diseases	6	140.9	18	112.9	15	155.8	7	79.2
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	10.4	0	0.0
Lung Diseases due to External Agents	0	0.0	3	18.8	1	10.4	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	1	6.3	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	47.0	2	12.5	2	20.8	3	33.9
Nephritis, Nephrotic Syndrome and Nephrosis	1	23.5	4	25.1	3	31.2	1	11.3
Congenital Malformations	0	0.0	0	0.0	3	31.2	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	3	18.8	2	20.8	1	11.3
Accidents, All Forms	0	0.0	27	169.4	11	114.2	4	45.2
--Motor Vehicle	0	0.0	2	12.5	1	10.4	1	11.3
--Falls	0	0.0	6	37.6	3	31.2	1	11.3
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	1	6.3	0	0.0	0	0.0
--Poisonings	0	0.0	15	94.1	6	62.3	2	22.6
--Other Accidents	0	0.0	3	18.8	1	10.4	0	0.0
Intentional Self-Harm (Suicide)	1	23.5	4	25.1	0	0.0	0	0.0
Assault (Homicide)	0	0.0	2	12.5	1	10.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	20.8	0	0.0
All Other Causes (Residual)	4	93.9	45	282.3	14	145.4	10	113.1

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

Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
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	1	28.6	1	2.0	0	0.0
Total Deaths, All Causes	53	9.8	68	11.3	649	13.9	238	15.6
--Deaths Under One Year	0	0.0	0	0.0	3	6.0	1	5.5
--Deaths Under 28 Days	0	0.0	0	0.0	2	4.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	18.5	3	49.8	10	21.5	2	13.1
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	4	8.6	0	0.0
Malignant Neoplasms	9	166.9	14	232.2	104	223.5	50	328.4
--of Digestive Organs	1	18.5	3	49.8	24	51.6	14	92.0
----Colon	1	18.5	0	0.0	7	15.0	2	13.1
----Pancreas	0	0.0	1	16.6	6	12.9	4	26.3
--of Respiratory and Intrathoracic Organs	3	55.6	4	66.3	27	58.0	14	92.0
----Trachea, Bronchus and Lung	3	55.6	4	66.3	27	58.0	13	85.4
--of Breast	1	18.5	1	16.6	7	15.0	3	19.7
--of Genitourinary Organs	2	37.1	2	33.2	13	27.9	6	39.4
----Cervix Uteri	0	0.0	0	0.0	1	2.1	0	0.0
----Ovary	0	0.0	1	16.6	3	6.4	0	0.0
----Prostate	0	0.0	0	0.0	3	6.4	1	6.6
----Bladder	0	0.0	0	0.0	2	4.3	3	19.7
--All Other (Malignant Neoplasms)	2	37.1	4	66.3	33	70.9	13	85.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	0	0.0	2	33.2	38	81.7	13	85.4
Dementia	1	18.5	9	149.3	28	60.2	2	13.1
Alzheimer's Disease	3	55.6	3	49.8	37	79.5	9	59.1
Major Cardiovascular Disease	16	296.6	10	165.9	179	384.6	73	479.5
--Diseases of the Heart	11	203.9	8	132.7	128	275.1	55	361.2
----Ischemic Heart Disease	9	166.9	3	49.8	77	165.5	40	262.7
--Essential Hypertension and Hypertensive Renal Disease	2	37.1	0	0.0	10	21.5	1	6.6
--Cerebrovascular Diseases (Stroke)	3	55.6	2	33.2	34	73.1	3	19.7
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	13	85.4
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	7	15.0	1	6.6
Influenza and Pneumonia	1	18.5	2	33.2	16	34.4	1	6.6
--Influenza	0	0.0	0	0.0	1	2.1	0	0.0
--Pneumonia	1	18.5	2	33.2	15	32.2	1	6.6
Chronic Lower Respiratory Diseases	5	92.7	2	33.2	32	68.8	17	111.7
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	2.1	0	0.0
Lung Diseases due to External Agents	0	0.0	2	33.2	2	4.3	2	13.1
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	4	66.3	7	15.0	3	19.7
Nephritis, Nephrotic Syndrome and Nephrosis	1	18.5	1	16.6	8	17.2	4	26.3
Congenital Malformations	0	0.0	0	0.0	1	2.1	1	6.6
Ill-Defined and Unknown Causes of Death	0	0.0	0	0.0	9	19.3	7	46.0
Accidents, All Forms	4	74.2	9	149.3	68	146.1	18	118.2
--Motor Vehicle	3	55.6	0	0.0	4	8.6	1	6.6
--Falls	0	0.0	4	66.3	17	36.5	3	19.7
--Drownings	0	0.0	0	0.0	1	2.1	1	6.6
--Smoke, Fires and Flames	0	0.0	0	0.0	1	2.1	0	0.0
--Poisonings	1	18.5	5	82.9	41	88.1	12	78.8
--Other Accidents	0	0.0	0	0.0	4	8.6	1	6.6
Intentional Self-Harm (Suicide)	1	18.5	1	16.6	6	12.9	9	59.1
Assault (Homicide)	0	0.0	1	16.6	6	12.9	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	1	2.1	1	6.6
All Other Causes (Residual)	11	203.9	5	82.9	93	199.8	26	170.8

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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, 2019
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	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	98	13.8	103	14.7	238	12.9	37	13.6
--Deaths Under One Year	0	0.0	1	12.3	1	4.6	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	1	4.6	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	28.2	2	28.6	5	27.2	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	19	267.9	13	186.0	41	223.0	10	367.6
--of Digestive Organs	5	70.5	4	57.2	12	65.3	3	110.3
----Colon	0	0.0	1	14.3	4	21.8	0	0.0
----Pancreas	3	42.3	1	14.3	2	10.9	0	0.0
--of Respiratory and Intrathoracic Organs	6	84.6	3	42.9	15	81.6	1	36.8
----Trachea, Bronchus and Lung	6	84.6	3	42.9	15	81.6	1	36.8
--of Breast	0	0.0	1	14.3	2	10.9	0	0.0
--of Genitourinary Organs	4	56.4	3	42.9	5	27.2	2	73.5
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	1	14.3	0	0.0	0	0.0
----Prostate	2	28.2	0	0.0	2	10.9	1	36.8
----Bladder	1	14.1	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	4	56.4	2	28.6	7	38.1	4	147.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	2	28.6	2	10.9	0	0.0
Diabetes Mellitus	4	56.4	6	85.8	11	59.8	2	73.5
Dementia	5	70.5	1	14.3	11	59.8	0	0.0
Alzheimer's Disease	6	84.6	7	100.1	9	48.9	0	0.0
Major Cardiovascular Disease	23	324.3	27	386.3	75	407.9	11	404.4
--Diseases of the Heart	18	253.8	24	343.3	61	331.7	8	294.1
----Ischemic Heart Disease	11	155.1	14	200.3	42	228.4	6	220.6
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	14.3	2	10.9	0	0.0
--Cerebrovascular Diseases (Stroke)	5	70.5	2	28.6	12	65.3	3	110.3
--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	2	28.2	1	14.3	8	43.5	1	36.8
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	2	28.2	1	14.3	8	43.5	1	36.8
Chronic Lower Respiratory Diseases	7	98.7	15	214.6	18	97.9	4	147.1
--Bronchitis, Emphysema and Asthma	2	28.2	1	14.3	0	0.0	0	0.0
Lung Diseases due to External Agents	2	28.2	1	14.3	4	21.8	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	1	36.8
Nephritis, Nephrotic Syndrome and Nephrosis	2	28.2	2	28.6	3	16.3	2	73.5
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	2	28.6	0	0.0	0	0.0
Accidents, All Forms	14	197.4	5	71.5	18	97.9	3	110.3
--Motor Vehicle	0	0.0	0	0.0	3	16.3	1	36.8
--Falls	7	98.7	3	42.9	3	16.3	1	36.8
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	6	84.6	2	28.6	11	59.8	1	36.8
--Other Accidents	1	14.1	0	0.0	1	5.4	0	0.0
Intentional Self-Harm (Suicide)	0	0.0	3	42.9	2	10.9	0	0.0
Assault (Homicide)	1	14.1	0	0.0	1	5.4	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)	11	155.1	16	228.9	30	163.1	3	110.3

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

Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
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	0	0.0	0	0.0	1	1.9
Total Deaths, All Causes	38	14.0	77	15.5	12	3.8	696	15.4
--Deaths Under One Year	0	0.0	0	0.0	0	0.0	7	13.0
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	3	5.6
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	36.9	0	0.0	0	0.0	17	37.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	1	2.2
Malignant Neoplasms	4	147.6	18	361.3	4	127.4	112	248.3
--of Digestive Organs	1	36.9	5	100.4	1	31.8	22	48.8
----Colon	0	0.0	3	60.2	1	31.8	3	6.7
----Pancreas	0	0.0	0	0.0	0	0.0	8	17.7
--of Respiratory and Intrathoracic Organs	1	36.9	4	80.3	1	31.8	41	90.9
----Trachea, Bronchus and Lung	1	36.9	4	80.3	1	31.8	41	90.9
--of Breast	0	0.0	2	40.1	0	0.0	11	24.4
--of Genitourinary Organs	0	0.0	1	20.1	1	31.8	17	37.7
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	0	0.0	2	4.4
----Prostate	0	0.0	1	20.1	0	0.0	6	13.3
----Bladder	0	0.0	0	0.0	0	0.0	4	8.9
--All Other (Malignant Neoplasms)	2	73.8	6	120.4	1	31.8	21	46.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	1	2.2
Diabetes Mellitus	0	0.0	5	100.4	0	0.0	25	55.4
Dementia	1	36.9	0	0.0	2	63.7	41	90.9
Alzheimer's Disease	2	73.8	1	20.1	0	0.0	31	68.7
Major Cardiovascular Disease	18	664.2	33	662.4	4	127.4	172	381.3
--Diseases of the Heart	15	553.5	22	441.6	2	63.7	121	268.2
----Ischemic Heart Disease	8	295.2	18	361.3	2	63.7	66	146.3
--Essential Hypertension and Hypertensive Renal Disease	1	36.9	3	60.2	0	0.0	11	24.4
--Cerebrovascular Diseases (Stroke)	2	73.8	5	100.4	2	63.7	36	79.8
--Arteriosclerosis	0	0.0	2	40.1	0	0.0	1	2.2
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	20.1	0	0.0	3	6.7
Influenza and Pneumonia	2	73.8	0	0.0	0	0.0	10	22.2
--Influenza	0	0.0	0	0.0	0	0.0	1	2.2
--Pneumonia	2	73.8	0	0.0	0	0.0	9	20.0
Chronic Lower Respiratory Diseases	1	36.9	3	60.2	0	0.0	34	75.4
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	3	6.7
Lung Diseases due to External Agents	0	0.0	0	0.0	0	0.0	4	8.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	36.9	1	20.1	1	31.8	14	31.0
Nephritis, Nephrotic Syndrome and Nephrosis	1	36.9	1	20.1	0	0.0	11	24.4
Congenital Malformations	0	0.0	0	0.0	0	0.0	2	4.4
Ill-Defined and Unknown Causes of Death	1	36.9	0	0.0	0	0.0	12	26.6
Accidents, All Forms	1	36.9	1	20.1	0	0.0	91	201.7
--Motor Vehicle	1	36.9	1	20.1	0	0.0	6	13.3
--Falls	0	0.0	0	0.0	0	0.0	18	39.9
--Drownings	0	0.0	0	0.0	0	0.0	1	2.2
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	0	0.0	0	0.0	0	0.0	62	137.4
--Other Accidents	0	0.0	0	0.0	0	0.0	4	8.9
Intentional Self-Harm (Suicide)	0	0.0	1	20.1	0	0.0	6	13.3
Assault (Homicide)	0	0.0	0	0.0	0	0.0	5	11.1
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	5	184.5	13	260.9	1	31.8	107	237.2

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Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
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	0	0.0	0	0.0	1	22.2	1	22.2
Total Deaths, All Causes	68	10.6	43	14.5	60	12.2	39	12.8
--Deaths Under One Year	1	14.5	1	35.7	0	0.0	0	0.0
--Deaths Under 28 Days	1	14.5	1	35.7	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	0	0.0	0	0.0	2	65.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	14	217.7	4	135.1	10	203.5	5	163.6
--of Digestive Organs	2	31.1	1	33.8	3	61.0	1	32.7
----Colon	0	0.0	0	0.0	1	20.3	0	0.0
----Pancreas	0	0.0	1	33.8	1	20.3	0	0.0
--of Respiratory and Intrathoracic Organs	4	62.2	1	33.8	3	61.0	1	32.7
----Trachea, Bronchus and Lung	4	62.2	1	33.8	2	40.7	1	32.7
--of Breast	3	46.7	0	0.0	1	20.3	0	0.0
--of Genitourinary Organs	3	46.7	1	33.8	2	40.7	0	0.0
----Cervix Uteri	0	0.0	0	0.0	1	20.3	0	0.0
----Ovary	0	0.0	0	0.0	1	20.3	0	0.0
----Prostate	1	15.6	1	33.8	0	0.0	0	0.0
----Bladder	1	15.6	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	2	31.1	1	33.8	1	20.3	3	98.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	4	62.2	2	67.5	2	40.7	1	32.7
Dementia	2	31.1	1	33.8	0	0.0	3	98.1
Alzheimer's Disease	3	46.7	2	67.5	2	40.7	4	130.8
Major Cardiovascular Disease	20	311.0	12	405.3	16	325.5	12	392.5
--Diseases of the Heart	14	217.7	9	304.0	13	264.5	8	261.7
----Ischemic Heart Disease	8	124.4	7	236.4	8	162.8	5	163.6
--Essential Hypertension and Hypertensive Renal Disease	1	15.6	2	67.5	1	20.3	0	0.0
--Cerebrovascular Diseases (Stroke)	5	77.8	1	33.8	1	20.3	3	98.1
--Arteriosclerosis	0	0.0	0	0.0	1	20.3	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	0	0.0	1	32.7
Influenza and Pneumonia	1	15.6	1	33.8	1	20.3	0	0.0
--Influenza	1	15.6	1	33.8	0	0.0	0	0.0
--Pneumonia	0	0.0	0	0.0	1	20.3	0	0.0
Chronic Lower Respiratory Diseases	7	108.9	2	67.5	4	81.4	4	130.8
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	1	15.6	0	0.0	1	20.3	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	31.1	0	0.0	2	40.7	1	32.7
Nephritis, Nephrotic Syndrome and Nephrosis	2	31.1	2	67.5	3	61.0	2	65.4
Congenital Malformations	1	15.6	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	3	101.3	0	0.0	0	0.0
Accidents, All Forms	6	93.3	1	33.8	5	101.7	0	0.0
--Motor Vehicle	1	15.6	0	0.0	1	20.3	0	0.0
--Falls	3	46.7	0	0.0	1	20.3	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	31.1	1	33.8	3	61.0	0	0.0
--Other Accidents	0	0.0	0	0.0	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	1	15.6	0	0.0	1	20.3	0	0.0
Assault (Homicide)	0	0.0	1	33.8	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	1	20.3	0	0.0
All Other Causes (Residual)	4	62.2	12	405.3	12	244.2	5	163.6

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Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
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	0	0.0	1	38.5	1	3.6	0	0.0
Total Deaths, All Causes	72	18.9	30	11.2	232	13.3	33	13.0
--Deaths Under One Year	0	0.0	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	0	0.0	4	22.9	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	5.7	0	0.0
Malignant Neoplasms	10	262.7	3	112.2	50	286.5	8	315.8
--of Digestive Organs	3	78.8	1	37.4	18	103.1	1	39.5
----Colon	2	52.5	0	0.0	2	11.5	1	39.5
----Pancreas	0	0.0	1	37.4	5	28.6	0	0.0
--of Respiratory and Intrathoracic Organs	2	52.5	1	37.4	8	45.8	2	79.0
----Trachea, Bronchus and Lung	2	52.5	1	37.4	8	45.8	2	79.0
--of Breast	1	26.3	0	0.0	4	22.9	0	0.0
--of Genitourinary Organs	1	26.3	1	37.4	7	40.1	2	79.0
----Cervix Uteri	0	0.0	0	0.0	1	5.7	0	0.0
----Ovary	0	0.0	0	0.0	0	0.0	0	0.0
----Prostate	1	26.3	0	0.0	2	11.5	0	0.0
----Bladder	0	0.0	0	0.0	2	11.5	1	39.5
--All Other (Malignant Neoplasms)	3	78.8	0	0.0	13	74.5	3	118.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	26.3	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	1	26.3	1	37.4	11	63.0	1	39.5
Dementia	4	105.1	4	149.6	10	57.3	1	39.5
Alzheimer's Disease	6	157.6	2	74.8	4	22.9	0	0.0
Major Cardiovascular Disease	23	604.2	8	299.3	55	315.1	9	355.3
--Diseases of the Heart	15	394.0	7	261.9	42	240.6	6	236.9
----Ischemic Heart Disease	11	288.9	4	149.6	19	108.9	3	118.4
--Essential Hypertension and Hypertensive Renal Disease	2	52.5	0	0.0	6	34.4	1	39.5
--Cerebrovascular Diseases (Stroke)	6	157.6	1	37.4	5	28.6	2	79.0
--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	2	11.5	0	0.0
Influenza and Pneumonia	0	0.0	2	74.8	3	17.2	1	39.5
--Influenza	0	0.0	0	0.0	0	0.0	1	39.5
--Pneumonia	0	0.0	2	74.8	3	17.2	0	0.0
Chronic Lower Respiratory Diseases	5	131.3	2	74.8	14	80.2	3	118.4
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	5.7	0	0.0
Lung Diseases due to External Agents	1	26.3	0	0.0	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	26.3	0	0.0	4	22.9	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	2	52.5	2	74.8	2	11.5	1	39.5
Congenital Malformations	0	0.0	0	0.0	0	0.0	1	39.5
Ill-Defined and Unknown Causes of Death	1	26.3	1	37.4	2	11.5	0	0.0
Accidents, All Forms	2	52.5	3	112.2	31	177.6	2	79.0
--Motor Vehicle	0	0.0	0	0.0	3	17.2	0	0.0
--Falls	1	26.3	1	37.4	11	63.0	1	39.5
--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	0	0.0
--Poisonings	0	0.0	2	74.8	17	97.4	1	39.5
--Other Accidents	1	26.3	0	0.0	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	1	26.3	0	0.0	5	28.6	0	0.0
Assault (Homicide)	0	0.0	0	0.0	2	11.5	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)	14	367.7	2	74.8	32	183.3	6	236.9

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Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
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	0	0.0	0	0.0
Total Deaths, All Causes	32	13.2	160	5.2	148	17.9	89	17.4
--Deaths Under One Year	0	0.0	0	0.0	1	12.0	1	13.3
--Deaths Under 28 Days	0	0.0	0	0.0	1	12.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	0	0.0	2	24.2	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	4	165.4	24	78.6	30	363.5	16	312.6
--of Digestive Organs	2	82.7	3	9.8	13	157.5	2	39.1
----Colon	0	0.0	0	0.0	3	36.4	1	19.5
----Pancreas	2	82.7	0	0.0	4	48.5	1	19.5
--of Respiratory and Intrathoracic Organs	0	0.0	5	16.4	6	72.7	5	97.7
---Trachea, Bronchus and Lung	0	0.0	4	13.1	6	72.7	5	97.7
--of Breast	0	0.0	2	6.5	1	12.1	1	19.5
--of Genitourinary Organs	0	0.0	3	9.8	3	36.4	1	19.5
----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	3	9.8	0	0.0	0	0.0
----Bladder	0	0.0	0	0.0	2	24.2	0	0.0
--All Other (Malignant Neoplasms)	2	82.7	11	36.0	7	84.8	7	136.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	1	19.5
Diabetes Mellitus	2	82.7	3	9.8	8	96.9	2	39.1
Dementia	0	0.0	6	19.6	7	84.8	5	97.7
Alzheimer's Disease	0	0.0	8	26.2	3	36.4	5	97.7
Major Cardiovascular Disease	9	372.2	56	183.3	38	460.5	25	488.5
--Diseases of the Heart	5	206.8	43	140.8	29	351.4	18	351.7
----Ischemic Heart Disease	2	82.7	31	101.5	21	254.5	9	175.8
--Essential Hypertension and Hypertensive Renal Disease	2	82.7	3	9.8	0	0.0	2	39.1
--Cerebrovascular Diseases (Stroke)	1	41.4	8	26.2	9	109.1	5	97.7
--Arteriosclerosis	1	41.4	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	6.5	0	0.0	0	0.0
Influenza and Pneumonia	1	41.4	0	0.0	11	133.3	2	39.1
--Influenza	0	0.0	0	0.0	1	12.1	0	0.0
--Pneumonia	1	41.4	0	0.0	10	121.2	2	39.1
Chronic Lower Respiratory Diseases	2	82.7	6	19.6	11	133.3	3	58.6
--Bronchitis, Emphysema and Asthma	0	0.0	1	3.3	0	0.0	0	0.0
Lung Diseases due to External Agents	0	0.0	4	13.1	1	12.1	1	19.5
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	41.4	3	9.8	3	36.4	2	39.1
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	0	0.0	4	48.5	4	78.2
Congenital Malformations	0	0.0	1	3.3	2	24.2	0	0.0
Ill-Defined and Unknown Causes of Death	6	248.1	0	0.0	1	12.1	0	0.0
Accidents, All Forms	2	82.7	17	55.6	9	109.1	8	156.3
--Motor Vehicle	0	0.0	1	3.3	3	36.4	0	0.0
--Falls	0	0.0	5	16.4	2	24.2	4	78.2
--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	41.4	9	29.5	4	48.5	3	58.6
--Other Accidents	1	41.4	2	6.5	0	0.0	1	19.5
Intentional Self-Harm (Suicide)	0	0.0	4	13.1	1	12.1	1	19.5
Assault (Homicide)	0	0.0	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	41.4	0	0.0	0	0.0	1	19.5
All Other Causes (Residual)	4	165.4	28	91.7	17	206.0	13	254.0

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Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
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	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	86	13.5	139	17.2	477	16.3	50	18.8
--Deaths Under One Year	2	28.2	1	13.0	3	9.8	0	0.0
--Deaths Under 28 Days	2	28.2	1	13.0	1	3.3	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	31.4	4	49.4	7	23.9	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	3.4	0	0.0
Malignant Neoplasms	14	219.7	27	333.4	71	242.3	8	301.3
--of Digestive Organs	2	31.4	5	61.7	17	58.0	3	113.0
----Colon	2	31.4	1	12.3	5	17.1	1	37.7
----Pancreas	0	0.0	1	12.3	5	17.1	2	75.3
--of Respiratory and Intrathoracic Organs	3	47.1	7	86.4	20	68.2	1	37.7
----Trachea, Bronchus and Lung	3	47.1	7	86.4	18	61.4	1	37.7
--of Breast	1	15.7	4	49.4	4	13.6	0	0.0
--of Genitourinary Organs	4	62.8	4	49.4	6	20.5	2	75.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	15.7	0	0.0	0	0.0	1	37.7
----Prostate	1	15.7	0	0.0	2	6.8	0	0.0
----Bladder	2	31.4	4	49.4	1	3.4	0	0.0
--All Other (Malignant Neoplasms)	4	62.8	7	86.4	24	81.9	2	75.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	12.3	3	10.2	0	0.0
Diabetes Mellitus	7	109.8	4	49.4	21	71.7	1	37.7
Dementia	2	31.4	8	98.8	11	37.5	4	150.7
Alzheimer's Disease	3	47.1	2	24.7	34	116.0	2	75.3
Major Cardiovascular Disease	22	345.2	36	444.6	143	488.0	11	414.3
--Diseases of the Heart	17	266.8	25	308.7	115	392.4	7	263.7
----Ischemic Heart Disease	12	188.3	17	209.9	77	262.7	4	150.7
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	2	24.7	5	17.1	0	0.0
--Cerebrovascular Diseases (Stroke)	4	62.8	7	86.4	20	68.2	1	37.7
--Arteriosclerosis	0	0.0	1	12.3	2	6.8	3	113.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	15.7	1	12.3	1	3.4	0	0.0
Influenza and Pneumonia	1	15.7	3	37.0	9	30.7	2	75.3
--Influenza	0	0.0	0	0.0	2	6.8	0	0.0
--Pneumonia	1	15.7	3	37.0	7	23.9	2	75.3
Chronic Lower Respiratory Diseases	2	31.4	12	148.2	40	136.5	5	188.3
--Bronchitis, Emphysema and Asthma	1	15.7	0	0.0	2	6.8	0	0.0
Lung Diseases due to External Agents	0	0.0	0	0.0	3	10.2	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	31.4	5	61.7	8	27.3	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	3	47.1	3	37.0	4	13.6	1	37.7
Congenital Malformations	2	31.4	0	0.0	3	10.2	0	0.0
Ill-Defined and Unknown Causes of Death	1	15.7	0	0.0	1	3.4	8	301.3
Accidents, All Forms	7	109.8	12	148.2	34	116.0	3	113.0
--Motor Vehicle	2	31.4	1	12.3	5	17.1	2	75.3
--Falls	1	15.7	0	0.0	2	6.8	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	3	10.2	0	0.0
--Poisonings	3	47.1	11	135.8	21	71.7	1	37.7
--Other Accidents	1	15.7	0	0.0	3	10.2	0	0.0
Intentional Self-Harm (Suicide)	2	31.4	0	0.0	7	23.9	0	0.0
Assault (Homicide)	0	0.0	1	12.3	2	6.8	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	6.8	0	0.0
All Other Causes (Residual)	16	251.1	21	259.3	73	249.1	5	188.3

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Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
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	26	8.0	20	6.4	73	18.0	95	16.7
--Deaths Under One Year	0	0.0	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	1	30.7	0	0.0	0	0.0	1	17.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	3	92.1	2	63.7	14	344.7	11	193.8
--of Digestive Organs	1	30.7	0	0.0	5	123.1	5	88.1
----Colon	0	0.0	0	0.0	2	49.2	1	17.6
----Pancreas	0	0.0	0	0.0	2	49.2	1	17.6
--of Respiratory and Intrathoracic Organs	1	30.7	0	0.0	4	98.5	2	35.2
----Trachea, Bronchus and Lung	1	30.7	0	0.0	2	49.2	1	17.6
--of Breast	0	0.0	1	31.8	1	24.6	0	0.0
--of Genitourinary Organs	0	0.0	0	0.0	3	73.9	1	17.6
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	1	24.6	0	0.0
----Prostate	0	0.0	0	0.0	1	24.6	0	0.0
----Bladder	0	0.0	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	1	30.7	1	31.8	1	24.6	3	52.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0	1	17.6
Diabetes Mellitus	3	92.1	0	0.0	1	24.6	1	17.6
Dementia	0	0.0	0	0.0	2	49.2	6	105.7
Alzheimer's Disease	2	61.4	0	0.0	2	49.2	3	52.9
Major Cardiovascular Disease	6	184.2	11	350.2	24	590.8	27	475.8
--Diseases of the Heart	5	153.5	11	350.2	18	443.1	23	405.3
----Ischemic Heart Disease	4	122.8	8	254.7	8	196.9	14	246.7
--Essential Hypertension and Hypertensive Renal Disease	1	30.7	0	0.0	0	0.0	1	17.6
--Cerebrovascular Diseases (Stroke)	0	0.0	0	0.0	4	98.5	2	35.2
--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	2	49.2	1	17.6
Influenza and Pneumonia	0	0.0	0	0.0	2	49.2	4	70.5
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	0	0.0	0	0.0	2	49.2	4	70.5
Chronic Lower Respiratory Diseases	0	0.0	1	31.8	10	246.2	6	105.7
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	24.6	0	0.0
Lung Diseases due to External Agents	0	0.0	0	0.0	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	30.7	0	0.0	1	24.6	1	17.6
Nephritis, Nephrotic Syndrome and Nephrosis	2	61.4	0	0.0	2	49.2	1	17.6
Congenital Malformations	0	0.0	0	0.0	1	24.6	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	0	0.0	0	0.0	1	17.6
Accidents, All Forms	4	122.8	3	95.5	1	24.6	6	105.7
--Motor Vehicle	1	30.7	1	31.8	0	0.0	2	35.2
--Falls	1	30.7	0	0.0	0	0.0	2	35.2
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	1	30.7	0	0.0	0	0.0	0	0.0
--Poisonings	1	30.7	1	31.8	0	0.0	2	35.2
--Other Accidents	0	0.0	1	31.8	1	24.6	0	0.0
Intentional Self-Harm (Suicide)	0	0.0	0	0.0	0	0.0	2	35.2
Assault (Homicide)	0	0.0	0	0.0	1	24.6	2	35.2
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	1	24.6	0	0.0
All Other Causes (Residual)	4	122.8	3	95.5	11	270.8	22	387.7

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Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
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	16.9	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	44	8.4	43	11.8	52	16.5	184	18.6
--Deaths Under One Year	0	0.0	0	0.0	0	0.0	2	18.9
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	1	9.4
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	19.1	1	27.4	1	31.7	1	10.1
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	18	343.6	5	137.2	7	221.6	29	292.4
--of Digestive Organs	8	152.7	1	27.4	1	31.7	10	100.8
----Colon	1	19.1	0	0.0	0	0.0	4	40.3
----Pancreas	1	19.1	1	27.4	0	0.0	1	10.1
--of Respiratory and Intrathoracic Organs	4	76.4	1	27.4	1	31.7	7	70.6
----Trachea, Bronchus and Lung	4	76.4	1	27.4	1	31.7	7	70.6
--of Breast	2	38.2	2	54.9	0	0.0	2	20.2
--of Genitourinary Organs	1	19.1	1	27.4	1	31.7	6	60.5
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	19.1	0	0.0	0	0.0	1	10.1
----Prostate	0	0.0	1	27.4	0	0.0	2	20.2
----Bladder	0	0.0	0	0.0	1	31.7	0	0.0
--All Other (Malignant Neoplasms)	3	57.3	0	0.0	4	126.6	4	40.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	27.4	0	0.0	0	0.0
Diabetes Mellitus	1	19.1	4	109.8	2	63.3	8	80.7
Dementia	0	0.0	1	27.4	1	31.7	4	40.3
Alzheimer's Disease	0	0.0	3	82.3	3	95.0	12	121.0
Major Cardiovascular Disease	8	152.7	17	466.6	14	443.2	57	574.7
--Diseases of the Heart	8	152.7	13	356.8	8	253.2	40	403.3
----Ischemic Heart Disease	4	76.4	7	192.1	4	126.6	27	272.2
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	27.4	1	31.7	2	20.2
--Cerebrovascular Diseases (Stroke)	0	0.0	3	82.3	3	95.0	11	110.9
--Arteriosclerosis	0	0.0	0	0.0	1	31.7	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	1	31.7	4	40.3
Influenza and Pneumonia	1	19.1	0	0.0	2	63.3	2	20.2
--Influenza	0	0.0	0	0.0	1	31.7	0	0.0
--Pneumonia	1	19.1	0	0.0	1	31.7	2	20.2
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	5	158.3	14	141.2
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0	2	20.2
Lung Diseases due to External Agents	0	0.0	0	0.0	0	0.0	2	20.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	1	10.1
Nephritis, Nephrotic Syndrome and Nephrosis	1	19.1	0	0.0	2	63.3	3	30.2
Congenital Malformations	0	0.0	2	54.9	0	0.0	1	10.1
Ill-Defined and Unknown Causes of Death	1	19.1	0	0.0	0	0.0	1	10.1
Accidents, All Forms	3	57.3	2	54.9	4	126.6	21	211.7
--Motor Vehicle	0	0.0	0	0.0	1	31.7	0	0.0
--Falls	1	19.1	1	27.4	3	95.0	9	90.7
--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	2	38.2	1	27.4	0	0.0	11	110.9
--Other Accidents	0	0.0	0	0.0	0	0.0	1	10.1
Intentional Self-Harm (Suicide)	0	0.0	0	0.0	1	31.7	3	30.2
Assault (Homicide)	0	0.0	0	0.0	0	0.0	1	10.1
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	10	190.9	7	192.1	10	316.6	24	242.0

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Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
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	0	0.0	0	0.0	1	9.0	0	0.0
Total Deaths, All Causes	148	12.3	31	9.5	119	11.8	302	16.5
--Deaths Under One Year	2	14.6	0	0.0	0	0.0	2	10.9
--Deaths Under 28 Days	2	14.6	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	24.9	1	30.5	0	0.0	4	21.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	18	149.4	8	244.3	28	276.6	64	350.4
--of Digestive Organs	5	41.5	0	0.0	3	29.6	13	71.2
----Colon	3	24.9	0	0.0	1	9.9	5	27.4
----Pancreas	1	8.3	0	0.0	1	9.9	4	21.9
--of Respiratory and Intrathoracic Organs	4	33.2	4	122.2	10	98.8	22	120.4
----Trachea, Bronchus and Lung	4	33.2	3	91.6	10	98.8	22	120.4
--of Breast	2	16.6	0	0.0	0	0.0	4	21.9
--of Genitourinary Organs	3	24.9	0	0.0	5	49.4	9	49.3
----Cervix Uteri	0	0.0	0	0.0	1	9.9	1	5.5
----Ovary	1	8.3	0	0.0	1	9.9	2	10.9
----Prostate	1	8.3	0	0.0	0	0.0	3	16.4
----Bladder	0	0.0	0	0.0	1	9.9	1	5.5
--All Other (Malignant Neoplasms)	4	33.2	4	122.2	10	98.8	16	87.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	8.3	0	0.0	2	19.8	2	10.9
Diabetes Mellitus	3	24.9	1	30.5	9	88.9	5	27.4
Dementia	4	33.2	2	61.1	2	19.8	15	82.1
Alzheimer's Disease	4	33.2	2	61.1	4	39.5	7	38.3
Major Cardiovascular Disease	40	332.0	7	213.8	44	434.6	93	509.1
--Diseases of the Heart	28	232.4	5	152.7	31	306.2	65	355.9
----Ischemic Heart Disease	14	116.2	3	91.6	22	217.3	47	257.3
--Essential Hypertension and Hypertensive Renal Disease	2	16.6	0	0.0	1	9.9	5	27.4
--Cerebrovascular Diseases (Stroke)	6	49.8	2	61.1	9	88.9	20	109.5
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	2	10.9
--Other Diseases of Arteries, Arterioles and Capillaries	4	33.2	0	0.0	3	29.6	1	5.5
Influenza and Pneumonia	4	33.2	1	30.5	3	29.6	14	76.6
--Influenza	1	8.3	0	0.0	2	19.8	0	0.0
--Pneumonia	3	24.9	1	30.5	1	9.9	14	76.6
Chronic Lower Respiratory Diseases	8	66.4	3	91.6	8	79.0	17	93.1
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	2	19.8	0	0.0
Lung Diseases due to External Agents	0	0.0	0	0.0	0	0.0	2	10.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	33.2	0	0.0	2	19.8	3	16.4
Nephritis, Nephrotic Syndrome and Nephrosis	3	24.9	1	30.5	3	29.6	4	21.9
Congenital Malformations	1	8.3	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	8.3	0	0.0	0	0.0	14	76.6
Accidents, All Forms	18	149.4	2	61.1	1	9.9	24	131.4
--Motor Vehicle	1	8.3	0	0.0	0	0.0	4	21.9
--Falls	6	49.8	1	30.5	0	0.0	2	10.9
--Drownings	1	8.3	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	1	5.5
--Poisonings	9	74.7	1	30.5	1	9.9	16	87.6
--Other Accidents	1	8.3	0	0.0	0	0.0	1	5.5
Intentional Self-Harm (Suicide)	3	24.9	0	0.0	2	19.8	0	0.0
Assault (Homicide)	3	24.9	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	8.3	0	0.0	0	0.0	1	5.5
All Other Causes (Residual)	29	240.7	3	91.6	11	108.7	33	180.7

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Selected Causes of Resident Deaths: Number and Rate* by City
West Virginia, 2019
Table 85 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Wellsburg		Weston		Westover	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	41.7	1	28.6	0	0.0
Total Deaths, All Causes	39	15.4	61	15.8	34	8.1
--Deaths Under One Year	0	0.0	1	28.6	0	0.0
--Deaths Under 28 Days	0	0.0	1	28.6	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	1	39.5	1	25.9	1	24.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	3	118.6	13	337.0	5	119.8
--of Digestive Organs	0	0.0	4	103.7	1	24.0
----Colon	0	0.0	1	25.9	1	24.0
----Pancreas	0	0.0	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	2	79.1	6	155.6	2	47.9
----Trachea, Bronchus and Lung	1	39.5	6	155.6	2	47.9
--of Breast	0	0.0	0	0.0	0	0.0
--of Genitourinary Organs	1	39.5	0	0.0	2	47.9
----Cervix Uteri	0	0.0	0	0.0	1	24.0
----Ovary	0	0.0	0	0.0	0	0.0
----Prostate	0	0.0	0	0.0	1	24.0
----Bladder	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	0	0.0	3	77.8	0	0.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	1	39.5	1	25.9	1	24.0
Dementia	3	118.6	5	129.6	1	24.0
Alzheimer's Disease	0	0.0	7	181.5	1	24.0
Major Cardiovascular Disease	13	513.8	16	414.8	15	359.5
--Diseases of the Heart	8	316.2	10	259.3	12	287.6
----Ischemic Heart Disease	5	197.6	8	207.4	8	191.7
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	25.9	0	0.0
--Cerebrovascular Diseases (Stroke)	4	158.1	3	77.8	3	71.9
--Arteriosclerosis	0	0.0	1	25.9	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	39.5	1	25.9	0	0.0
Influenza and Pneumonia	2	79.1	0	0.0	0	0.0
--Influenza	1	39.5	0	0.0	0	0.0
--Pneumonia	1	39.5	0	0.0	0	0.0
Chronic Lower Respiratory Diseases	5	197.6	4	103.7	2	47.9
--Bronchitis, Emphysema and Asthma	0	0.0	1	25.9	0	0.0
Lung Diseases due to External Agents	0	0.0	0	0.0	1	24.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	1	25.9	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	1	25.9	0	0.0
Congenital Malformations	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	2	79.1	0	0.0	0	0.0
Accidents, All Forms	2	79.1	5	129.6	2	47.9
--Motor Vehicle	1	39.5	0	0.0	0	0.0
--Falls	1	39.5	0	0.0	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	0	0.0	3	77.8	2	47.9
--Other Accidents	0	0.0	2	51.9	0	0.0
Intentional Self-Harm (Suicide)	1	39.5	1	25.9	1	24.0
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)	6	237.2	6	155.6	4	95.9

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, 2019
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	1	31.3	0	0.0
Total Deaths, All Causes	398	15.1	50	18.7	33	11.5
--Deaths Under One Year	0	0.0	1	31.3	0	0.0
--Deaths Under 28 Days	0	0.0	1	31.3	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	5	18.9	1	37.4	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	70	264.9	9	336.3	6	209.1
--of Digestive Organs	18	68.1	1	37.4	2	69.7
----Colon	4	15.1	1	37.4	0	0.0
----Pancreas	5	18.9	0	0.0	1	34.9
--of Respiratory and Intrathoracic Organs	16	60.5	4	149.5	2	69.7
----Trachea, Bronchus and Lung	16	60.5	4	149.5	2	69.7
--of Breast	5	18.9	0	0.0	0	0.0
--of Genitourinary Organs	14	53.0	1	37.4	0	0.0
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	2	7.6	0	0.0	0	0.0
----Prostate	3	11.4	1	37.4	0	0.0
----Bladder	4	15.1	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	17	64.3	3	112.1	2	69.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	1	34.9
Diabetes Mellitus	24	90.8	4	149.5	0	0.0
Dementia	34	128.6	1	37.4	0	0.0
Alzheimer's Disease	13	49.2	2	74.7	0	0.0
Major Cardiovascular Disease	122	461.6	13	485.8	15	522.8
--Diseases of the Heart	92	348.1	10	373.7	12	418.3
----Ischemic Heart Disease	44	166.5	6	224.2	7	244.0
--Essential Hypertension and Hypertensive Renal Disease	6	22.7	1	37.4	2	69.7
--Cerebrovascular Diseases (Stroke)	18	68.1	2	74.7	1	34.9
--Arteriosclerosis	1	3.8	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	5	18.9	0	0.0	0	0.0
Influenza and Pneumonia	7	26.5	1	37.4	1	34.9
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	7	26.5	1	37.4	1	34.9
Chronic Lower Respiratory Diseases	26	98.4	3	112.1	1	34.9
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	2	7.6	1	37.4	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	22.7	1	37.4	1	34.9
Nephritis, Nephrotic Syndrome and Nephrosis	13	49.2	1	37.4	0	0.0
Congenital Malformations	1	3.8	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	1	37.4	1	34.9
Accidents, All Forms	26	98.4	4	149.5	2	69.7
--Motor Vehicle	5	18.9	0	0.0	1	34.9
--Falls	7	26.5	2	74.7	0	0.0
--Drownings	1	3.8	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	10	37.8	1	37.4	1	34.9
--Other Accidents	3	11.4	1	37.4	0	0.0
Intentional Self-Harm (Suicide)	7	26.5	0	0.0	0	0.0
Assault (Homicide)	0	0.0	1	37.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	42	158.9	7	261.6	5	174.3

West Virginia Bureau for Public Health Health Statistics Center, Vital Statistics System, 2022 *Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.



West Virginia Vital Statistics

**Appendix A:
ICD-10 Codes**

APPENDIX A
GROUPINGS OF ICD-10 CODES

<u>ICD-10 CODE</u>	<u>SELECTED CAUSE</u>
A15-A19	Tuberculosis
A40-A41	Septicemia
B20-B24	Human Immunodeficiency Virus Infection
C00-C97	Malignant Neoplasms
C15-C26	====of Digestive Organs
C18	=====of Colon
C25	=====of Pancreas
C30-C39	====of Respiratory and Intrathoracic Organs
C33-C34	=====Trachea, Bronchus and Lung
C50	==of Breast
C51-C68	==of Genitourinary Organs
C53	=====Cervix Uteri
C56	=====Ovary
C61	=====Prostate
C67	=====Bladder
	====All Other (Malignant Neoplasms)
D00-D48	Benign Neoplasms, Carcinoma in Situ and Neoplasms of Unspecified Nature
E10-E14	Diabetes Mellitus
F01, F03	Dementia
G30	Alzheimer's Disease
I00-I78	Major Cardiovascular Diseases
I00-I09, I11, I13,	
I20-I51	====Diseases of the Heart
I20-I25	=====Ischemic Heart Disease
I10, I12	====Essential Hypertension and Hypertensive Renal Disease
I60-I69	====Cerebrovascular Disease
I70	====Arteriosclerosis
I71-I78	====Other Diseases of the Arteries, Arterioles and Capillaries
J09-J18	Influenza and Pneumonia
J09-J11	====Influenza
J12-J18	====Pneumonia
J40-J47	Chronic Lower Respiratory Diseases
J40-J43, J45-J46	====Bronchitis, Emphysema and Asthma
J60-J70	Lung Diseases Due to External Agents
J60	====Coal Worker's Pneumoconiosis
K70, K73-K74	Chronic Liver Disease and Cirrhosis
N00-N07, N17-N19,	
N25-N27	Nephritis, Nephrotic Syndrome and Nephrosis
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities
R95-R99	Ill-Defined and Unknown Causes of Death
V01-X59,	
Y85-Y86	Accidents
V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79,	
V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8,	
V89.0, V89.2	====Motor Vehicle
W00-W19	====Falls
X00-X09	====Smoke, Fire and Flames
W65-W74	====Drownings
X40-X49	====Poisonings
	====All Other (Accidents)
X60-X84, Y87.0	Intentional Self-Harm (Suicide)
X85-Y09, Y87.1	Assault (Homicide)
Y10-Y34, Y87.2	Injury Undetermined Whether Accidentally or Purposely Inflicted
	All Other Causes (Residual)



West Virginia Vital Statistics

**Appendix B:
Methodology,
Rates/Ratios
and Definitions**

APPENDIX B METHODOLOGY

Data used to prepare this report are taken from birth and death certificates, fetal death reports, marriage applications, divorce reports, Induced Terminations of Pregnancy (ITOP) and paternity affidavits occurring in calendar year 2019 and filed in the state office of vital statistics prior to February 18, 2020. Vital events occurring to West Virginia residents in other states and tabulated by June 1, 2020, are also included in totals by residence.

Place of Residence vs. Place of Occurrence

Data on vital events can be reported in two ways: by county of residence or by county of occurrence. For example, 145 births occurred within the geographic confines of Marshall County of which only so many were to mothers who reside in Marshall County; the remainder resides in other counties or states. Resident births for the county for 2019 totaled 283 which include 63 births that occurred in Marshall County and 220 births to Marshall 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.

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 2019 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: dhrvitaldata@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 2019 population figures from the U.S. Department of Commerce, Bureau of the Census.

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

APPENDIX B (Cont'd) DEFINITIONS

Birthweight - The weight of the fetus or infant at the time of delivery.

Cause of death - The underlying cause of death/condition giving rise to the chain of events leading to death.

Fetal Death (stillbirth) - Death prior to the complete expulsion or extraction from its mother of a product of conception weighing at least 350 grams or more or having passed through at least the 20th week of gestation if the weight is unknown.

Induced termination of pregnancy (ITOP) - The purposeful interruption of an intrauterine pregnancy with the intention other than to produce a live-born infant that does not result in live birth. This excludes management of prolonged retention of products of conception following fetal death.

Infant death - The death of a live-born infant before one year of age.

Live birth - A live birth is the complete expulsion or extraction from its mother of a result of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of umbilical cord, or definite movement of voluntary muscles.

Low birthweight - A weight at birth of less than 2,500 grams or 5 lbs., 8 oz.

Maternal death - For the purpose of this publication, it is the death of a woman while pregnant or within 42 days of termination of pregnancy. This is irrespective of the duration and site of the pregnancy or its management but not from accidental or incidental causes. ICD-10 codes A34, O00-O95, O98-O99.

Neonatal death - The death of a live-born infant that occurs within the first 27 days of life.

Occurrence data - Vital statistics compiled on the basis of where the vital event actually occurred.

Paternity affidavit - A legal document signed by both parents declaring the paternity of their child.

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

Residence data - Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred. For births and fetal deaths, residence is defined as the mother's usual place of residence.

APPENDIX B (Cont'd)

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

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

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



West Virginia Vital Statistics

Appendix C:

Grams Conversion

APPENDIX C
Converting Pounds/Ounces into Grams

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

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