



# WEST VIRGINIA VITAL STATISTICS 2012



SIXTY-SIXTH ANNUAL REPORT

WEST VIRGINIA  
VITAL STATISTICS  
2012



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## FOREWORD

*West Virginia Vital Statistics 2012* publication provides an in-depth look at births, deaths, marriages and divorces that occurred among state residents in 2012. Beginning with the 2008 edition, state, county and city sections are presented separately. For example, a table on county-level birth data which was previously in the birth section is now located in the county section beginning on page 103. Please see the Table of Contents for further reference.

West Virginia had a natural decrease in population (excess of deaths over births) for the fifth year in a row. West Virginia rose in overall population between 2011 and 2012 with 19 of the 55 counties gaining population.

The number of total births increased (20,705 to 20,813) from 2011 to 2012 while the births to teenage mothers decreased. Births to unmarried mothers stayed about the same in 2012 as 2011, but more than two out of every five births still occurred out of wedlock. Among the unmarried mothers giving birth in West Virginia, a father was established through a paternity affidavit in 70.6% of these births, which is the same as 2011.

Of the women who gave birth in 2012, 84.1% received prenatal care during the first trimester of pregnancy while 26.1% smoked during pregnancy. The percentage of low birthweight babies decreased in 2012 going from 9.6% in 2011 to 9.2%. In 2012, 36.4% of all babies were delivered by Cesarean section.

The number of deaths decreased by 217 in 2012. The average age at death for West Virginians was 68.8 for men and 75.4 for women. Heart disease, cancer, chronic lower respiratory disease and accidents were the four leading causes of death, accountable for 57.0% of all deaths in West Virginia. Motor vehicle traffic accident deaths decreased by 23 in 2012, from 377 to 354.

The infant death rate rose from 6.8 per 1,000 live births in 2011 to 7.3 in 2012. The majority (82.2%) of infant deaths was due to conditions originating in the perinatal period, congenital malformations and SIDS (Sudden Infant Death Syndrome). The fetal death ratio dropped slightly from 4.3 per 1,000 live births in 2011 to 4.2 in 2012. Almost all (95.5%) of fetal deaths were due to conditions originating in the perinatal period.

Marriages decreased for the first time in three years, from 13,271 in 2011 to 12,996. Divorces also decreased from 9,620 in 2011 to 8,932 in 2012.

Induced termination of pregnancy (ITOP) or induced abortion was added to our annual report beginning in 2005. This section contains data of those terminations performed in West Virginia only. There were 1,828 ITOPs performed in the state in 2012 compared with 1,837 in 2011. In 2012, 76 of these procedures involved a minor under the age of 18 compared with 91 in 2011.

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

## 2012 West Virginia and United States Vital Statistics Review

	West Virginia		United States***	
	Number	Rate*	Number	Rate*
Live Births	20,813	11.2	3,952,841	12.6
Deaths	21,653	11.7	2,543,279	8.1
Fetal Deaths	88	**4.2	N/A	N/A
Neonatal Deaths	96	**4.6	15,850	**4.0
Infant Deaths	152	**7.3	23,629	**6.0
Marriages	12,996	7.0	2,131,000	6.8
Divorces & Annulments	8,952	4.8	851,000	3.4
Natural Increase (Decrease)	(840)	(0.5)	1,409,563	4.5
Population (2012 Estimate)	1,855,413		313,914,040	

\*Rates based on 2012 U.S. Census Bureau estimates.

<http://census.gov/>.

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

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

(Births) *National Vital Statistics Report*.

[http://www.cdc.gov/nchs/data/nvsr/nvsr62/nvsr62\\_09.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr62/nvsr62_09.pdf)

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

[http://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63\\_09.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63_09.pdf)

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

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

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

## Selected Records and Trivia West Virginia, 2012

### Nativity

Oldest Father: 74  
 Youngest Father: 14  
 Oldest Mother: 47  
 Youngest Mother: 13  
 Highest Live Birth Order: 13<sup>th</sup> Delivery – 12 siblings (brothers and sisters)  
 Day Most Births Occurred: February 20 (91)  
 Day Fewest Births Occurred: November 22 (19)  
 Number of Live Born Twins: 562  
 Number of Live Born Triplets: 26  
 Number of Live Born Quadruplets: 4

### Most Popular Names for Babies

<u>Boys' Names</u>	<u>Number</u>	<u>Girls' Names</u>	<u>Number</u>
Mason	148	Emma	164
Liam	137	Isabella	112
Bentley	122	Sophia	111
Jacob	122	Ava	103
Hunter	121	Olivia	96
Landon	116	Madison	95
Aiden	112	Abigail	87
Noah	110	Addison	83
Levi	107	Aubrey	83
Brayden	104	Brooklyn	82

### Mortality

Oldest Male Decedent: 104  
 Oldest Female Decedent: 106  
 Number of Male Decedents 100 Yrs. & Older: 22  
 Number of Female Decedents 100 Yrs. & Older: 115  
 Day Most Deaths Occurred: November 15 (81)  
 Day Fewest Deaths Occurred: April 19 (32)

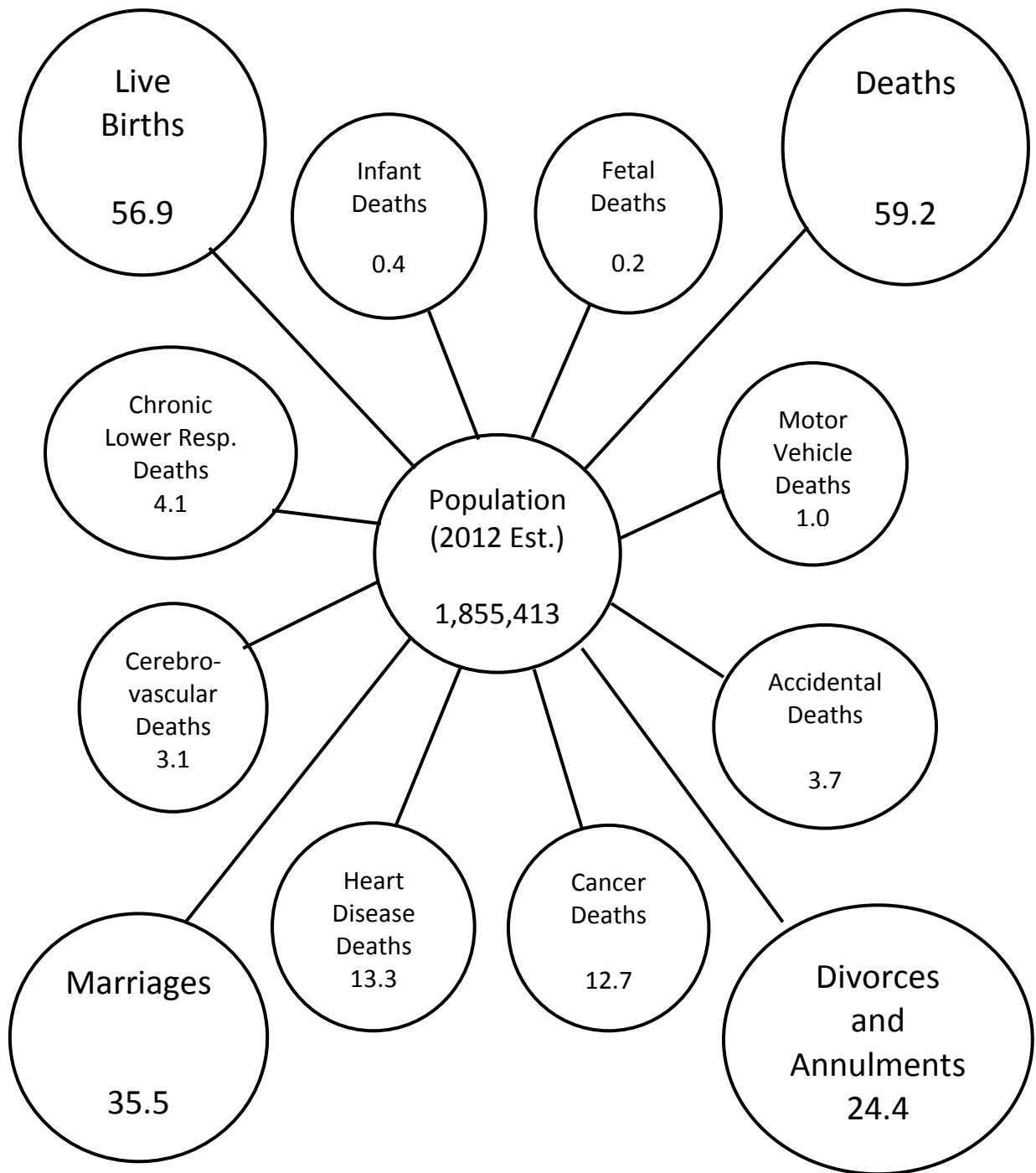
### Marriage

Oldest Groom: 91  
 Youngest Groom: 16  
 Oldest Bride: 91  
 Youngest Bride: 15  
 Largest Age Difference with Bride Older: 41 Years  
 Largest Age Difference with Groom Older: 50 Years

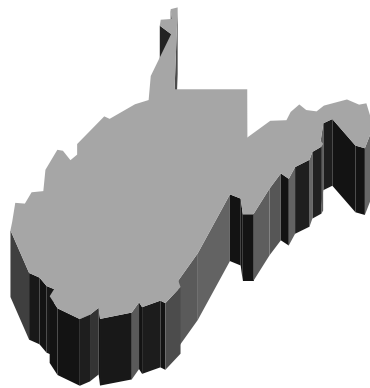
### Divorce

Oldest Male Divorcé: 93  
 Youngest Male Divorcé: 18  
 Oldest Female Divorcée: 89  
 Youngest Female Divorcée: 16  
 Marriage of Longest Duration Ending in Divorce: 66 Years

# Average Day Statistics West Virginia, 2012



West Virginia Bureau for Public Health  
Health Statistics Center, 2015



West Virginia Vital Statistics  
**Population**



## Population Summary

In 2012, 49 West Virginians were gained to the total population as a result of net migration. The 2012 Census shows an overall increase (approximately 0.1%) in the state's population since 2010, from 1,852,994 to 1,855,413. This increase is the result of a slight growth in the excess of immigration over outmigration during that span, in spite of the natural decrease (excess of deaths over births).

Even though there was an increase in the overall population from 2010 to 2012, less than one-third (16) of the state's 55 counties have shown an increase. Furthermore, thirteen (13) of the state's 30 largest cities have shown an increase in population since the 2010 Census.

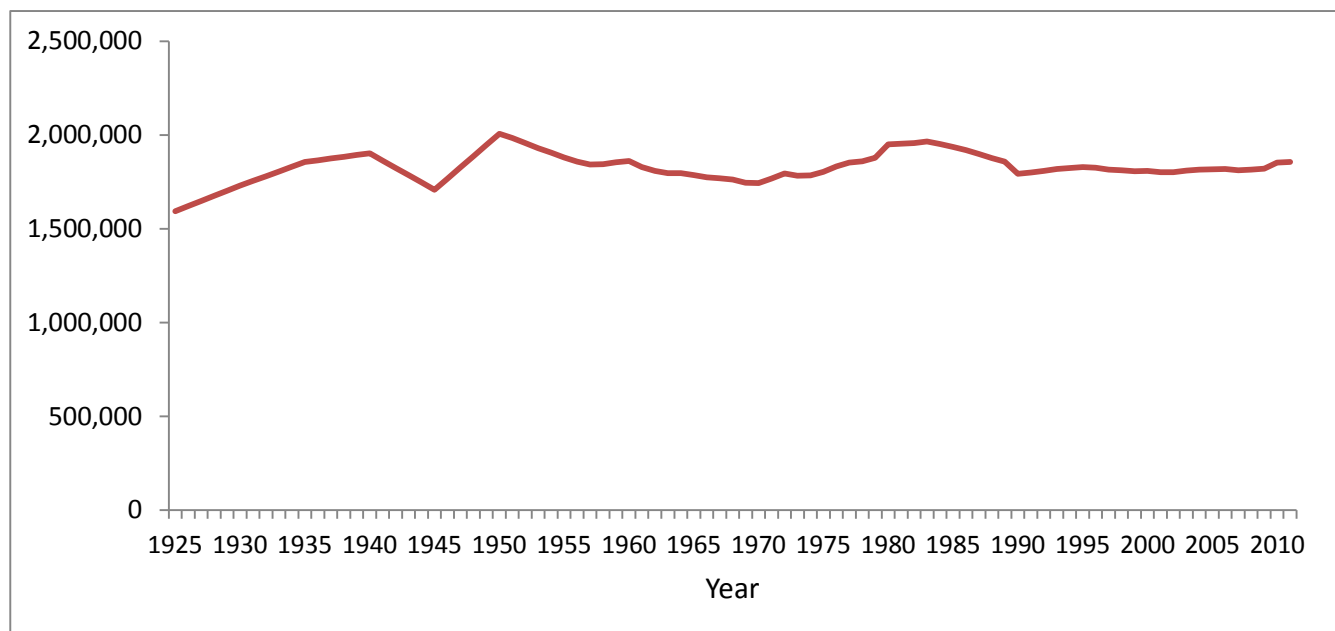
The U.S. Census Bureau estimates the population during non-census years and can be found at [www.census.gov](http://www.census.gov). Updates are officially announced as of July 1 of every year until the decennial census, which is on April 1. Every year, the actual estimates change from previous years, but vintage years are still available on their website.





## West Virginia Population, 1925-2012

### Exhibit 1



Year	Population	Change in Population	
		Years	Percentage Change
1925*	1,593,005		
1930	1,729,205	1925 to 1930	8.5%
1935*	1,856,354	1930 to 1935	7.4%
1940	1,901,974	1935 to 1940	2.5%
1945*	1,708,000	1940 to 1945	-10.2%
1950	2,005,552	1945 to 1950	17.4%
1955*	1,880,000	1950 to 1955	-6.3%
1960	1,860,421	1955 to 1960	-1.0%
1965*	1,786,000	1960 to 1965	-4.0%
1970	1,744,237	1965 to 1970	-2.3%
1975*	1,803,000	1970 to 1975	3.4%
1980	1,949,644	1975 to 1980	8.1%
1985*	1,936,000	1980 to 1985	-0.7%
1990	1,793,477	1985 to 1990	-7.4%
1995*	1,828,000	1990 to 1995	1.9%
2000	1,808,344	1995 to 2000	-1.1%
2005*	1,816,856	2000 to 2005	0.5%
2010	1,852,994	2005 to 2010	2.0%
2011*	1,855,364	2010 to 2011	0.1%
2012*	1,855,413	2011 to 2012	0.0%

## West Virginia Population by County, 2011 and 2012

### Table 1

County	2011	2012	County	2011	2012
Barbour	16,520	16,493	Monongalia	98,528	100,332
Berkeley	105,750	107,098	Monroe	13,534	13,463
Boone	24,444	24,478	Morgan	17,535	17,471
Braxton	14,485	14,468	Nicholas	26,268	26,229
Brooke	23,844	23,853	Ohio	44,246	44,075
Cabell	96,653	96,974	Pendleton	7,673	7,566
Calhoun	7,652	7,607	Pleasants	7,611	7,595
Clay	9,357	9,297	Pocahontas	8,786	8,692
Doddridge	8,171	8,178	Preston	33,723	33,832
Fayette	45,699	45,869	Putnam	56,008	56,435
Gilmer	8,705	8,732	Raleigh	79,127	79,021
Grant	11,891	11,816	Randolph	29,465	29,384
Greenbrier	35,800	35,820	Ritchie	10,295	10,236
Hampshire	23,812	23,709	Roane	14,858	14,684
Hancock	30,571	30,305	Summers	13,867	13,737
Hardy	13,912	13,866	Taylor	16,916	16,991
Harrison	69,436	69,141	Tucker	7,021	6,995
Jackson	29,241	29,234	Tyler	9,121	9,037
Jefferson	54,225	54,504	Upshur	24,322	24,477
Kanawha	192,315	192,179	Wayne	42,126	41,649
Lewis	16,416	16,371	Webster	9,143	9,043
Lincoln	21,550	21,627	Wetzel	16,351	16,422
Logan	36,457	36,168	Wirt	5,762	5,847
McDowell	21,729	21,326	Wood	87,120	86,701
Marion	56,586	56,678	Wyoming	23,419	23,273
Marshall	32,800	32,674			
Mason	27,298	27,179			
Mercer	62,465	62,523	WV Total	1,855,364	1,855,413
Mineral	28,192	27,956			
Mingo	26,563	26,103			

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

West Virginia Population Characteristics, 2010 and 2012  
Distribution by Gender, Age and Race  
Table 2

Characteristic	2010 Census		2012 Estimate	
	Number	Percent	Number	Percent
<u>Total</u>	1,852,994	100.0%	1,855,413	100.0%
<u>Gender</u>				
Male	913,586	49.3%	915,405	49.3%
Female	939,408	50.7%	940,008	50.7%
<u>Age</u>				
Less than 5 Years	104,060	5.6%	103,071	5.6%
5-17 Years	283,358	15.3%	280,970	15.1%
18-44 Years	627,191	33.8%	623,700	33.6%
45-64 Years	540,981	29.2%	535,723	28.9%
65 Years and Older	297,404	16.0%	311,949	16.8%
<u>Race</u>				
White or Caucasian	1,739,988	93.9%	1,743,721	94.0%
Black or African American	63,124	3.4%	65,787	3.5%
Asian, Native Hawaiian and Other Pacific Islander	12,834	0.7%	14,359	0.8%
American Indian, Eskimo, Aleutian Islander and Alaska Native	3,787	0.2%	4,104	0.2%
All Other Races	33,261	1.8%	27,442	1.5%
<u>Hispanic Origin*</u>				
	22,268	1.2%	24,530	1.3%

\*May be of any race  
2010 and 2012 Census Source: <http://www.census.gov>

Age Group Distribution by County  
West Virginia Population 2010 Census (Both Genders)  
Table 3

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

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

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

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

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

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

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

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

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

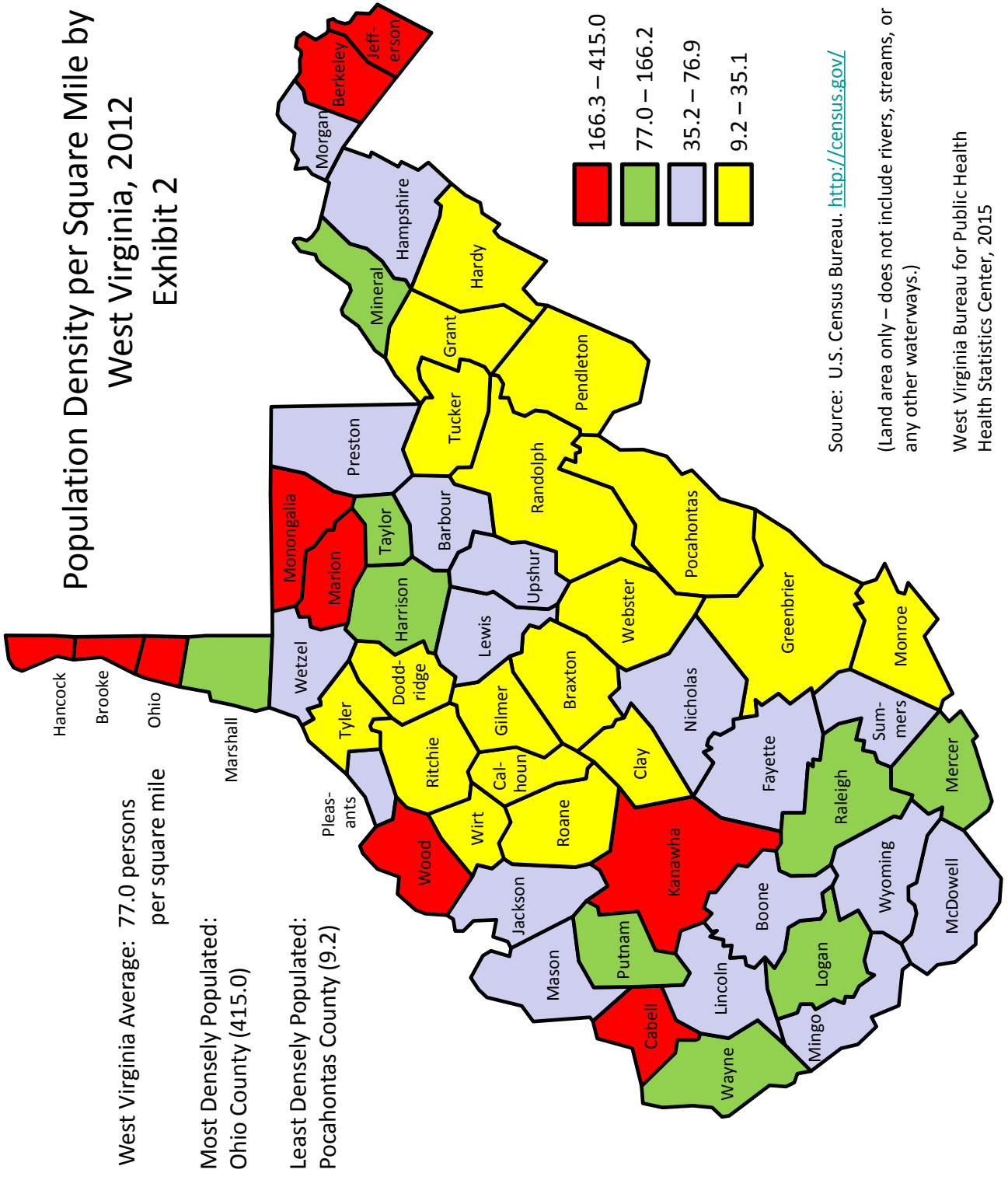
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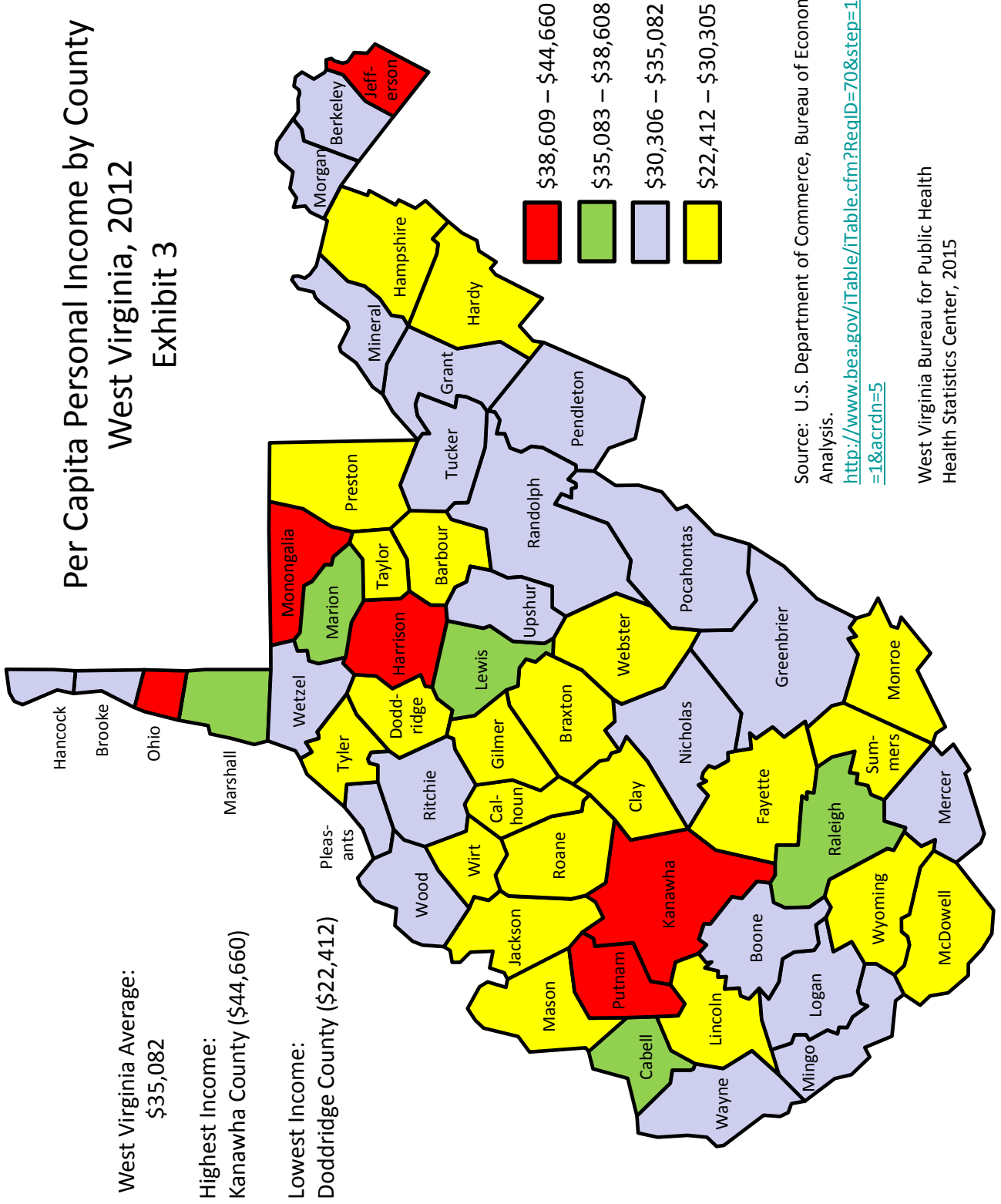
Age Group Distribution by County  
West Virginia Population 2010 Census (Females)  
Table 3 (Cont'd)

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

# Population Density per Square Mile by County West Virginia, 2012 Exhibit 2



# Per Capita Personal Income by County West Virginia, 2012 Exhibit 3



Source: U.S. Department of Commerce, Bureau of Economic Analysis.  
<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1&isuri=1&acrdn=5>

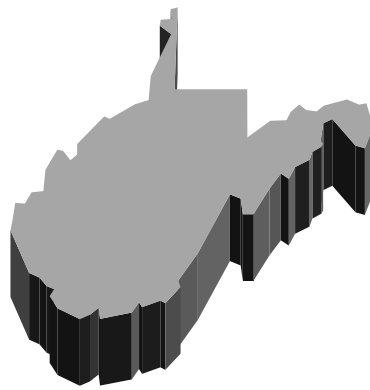
West Virginia Bureau for Public Health  
 Health Statistics Center, 2015

Births, Deaths, Natural Increase or Decrease and Net Migration  
West Virginia Population, 1960-2012

Table 4

Year	Population	Number of Births	Number of Deaths	Natural Increase or Decrease	Net Migration (+ or -)	Percent Change (%)
1960 - ab	1,860,421	39,696	18,040	21,656	(16,235)	-----
1961	1,828,000	38,866	17,980	20,886	(53,307)	-1.74%
1962	1,809,000	37,269	18,651	18,618	(37,618)	-1.04%
1963	1,796,000	35,573	19,405	16,168	(29,168)	-0.72%
1964	1,797,000	35,653	18,750	16,903	(15,903)	0.06%
1965	1,786,000	31,958	19,121	12,837	(23,837)	-0.61%
1966	1,775,000	30,084	19,339	10,745	(21,745)	-0.62%
1967	1,769,000	29,301	19,257	10,044	(16,044)	-0.34%
1968	1,763,000	29,126	19,647	9,479	(15,479)	-0.34%
1969	1,746,000	28,645	19,696	8,949	(25,949)	-0.96%
1970 - a	1,744,237	30,194	19,924	10,270	(12,033)	-0.10%
1971	1,768,000	31,038	19,619	11,419	12,344	1.36%
1972	1,795,000	29,200	20,583	8,617	18,383	1.53%
1973	1,782,000	27,459	20,020	7,439	(20,439)	-0.72%
1974	1,784,000	27,636	19,395	8,241	(6,241)	0.11%
1975	1,803,000	27,960	19,479	8,481	10,519	1.07%
1976	1,833,000	28,586	19,660	8,926	21,074	1.66%
1977	1,853,000	30,020	19,201	10,819	9,181	1.09%
1978	1,860,000	28,950	19,351	9,599	(2,599)	0.38%
1979	1,878,000	29,726	18,871	10,855	7,145	0.97%
1980 - a	1,949,644	29,438	19,718	9,720	61,924	3.81%
1981	1,954,000	27,810	19,039	8,771	(4,415)	0.22%
1982	1,957,000	27,263	18,796	8,467	(5,467)	0.15%
1983	1,965,000	25,875	19,293	6,582	1,418	0.41%
1984	1,952,000	24,551	19,182	5,369	(18,369)	-0.66%
1985	1,936,000	24,108	19,425	4,683	(20,683)	-0.82%
1986	1,919,000	23,179	19,858	3,321	(20,321)	-0.88%
1987	1,898,000	22,424	19,763	2,661	(23,661)	-1.09%
1988	1,877,000	21,849	19,780	2,069	(23,069)	-1.11%
1989 - c	1,857,000	22,067	19,525	2,542	(22,542)	-1.07%
1990 - a	1,793,477	22,582	19,360	3,222	(66,745)	-3.42%
1991	1,799,000	22,509	19,951	2,558	2,965	0.31%
1992	1,809,000	22,156	19,696	2,460	7,540	0.56%
1993	1,818,000	21,793	20,331	1,462	7,538	0.50%
1994	1,823,000	21,360	19,945	1,415	3,585	0.28%
1995	1,828,000	21,158	20,128	1,030	3,970	0.27%
1996	1,826,000	20,744	20,314	430	(2,430)	-0.11%
1997	1,816,000	20,735	20,872	(137)	(9,863)	-0.55%
1998	1,811,000	20,729	20,764	(35)	(4,965)	-0.28%
1999 - d	1,807,000	20,731	20,993	(262)	(3,738)	-0.22%
2000 - a	1,808,344	20,860	21,127	(267)	1,611	0.07%
2001	1,801,916	20,430	20,978	(548)	(5,880)	-0.36%
2002	1,801,873	20,725	20,999	(274)	231	0.00%
2003	1,810,354	20,986	21,299	(313)	8,794	0.47%
2004	1,815,354	20,911	20,776	135	4,865	0.28%
2005	1,816,856	20,834	20,773	61	1,441	0.08%
2006	1,818,470	20,931	20,649	282	1,332	0.09%
2007	1,812,035	22,017	21,067	950	(7,385)	-0.35%
2008	1,814,468	21,493	21,551	(58)	2,491	0.13%
2009 - e	1,819,777	21,275	21,385	(110)	5,419	0.29%
2010 - a	1,852,994	20,471	21,278	(807)	34,024	1.83%
2011 - f	1,855,364	20,705	21,870	(1,165)	3,535	0.13%
2012 - g	1,855,413	20,813	21,653	(840)	889	0.00%

- 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 1950 through 1959: U.S. Department of Health, Education and Welfare, Public Health Service, Vital Statistics Rates of the United States, 1940-1960.
- c. Source of population data 1961 through 1989: U.S. Department of Commerce, Bureau of the Census, Current Population Reports, Series P-25 and P-26.
- d. Source of population data 1991 through 1999: Regional Research Institute, WVU and U.S. Bureau of the Census.
- e. Source of population data 2001 through 2009: [http://www.census.gov/popest/counties/CO-EST2009-popchg2000\\_2009.html](http://www.census.gov/popest/counties/CO-EST2009-popchg2000_2009.html)
- f. Source of population data 2011: [http://www.census.gov/popest/counties/CO-EST2011-popchg2010\\_2011.html](http://www.census.gov/popest/counties/CO-EST2011-popchg2010_2011.html)
- g. Source of population data 2012: [http://www.census.gov/popest/counties/CO-EST2012-popchg2010\\_2012.html](http://www.census.gov/popest/counties/CO-EST2012-popchg2010_2012.html)



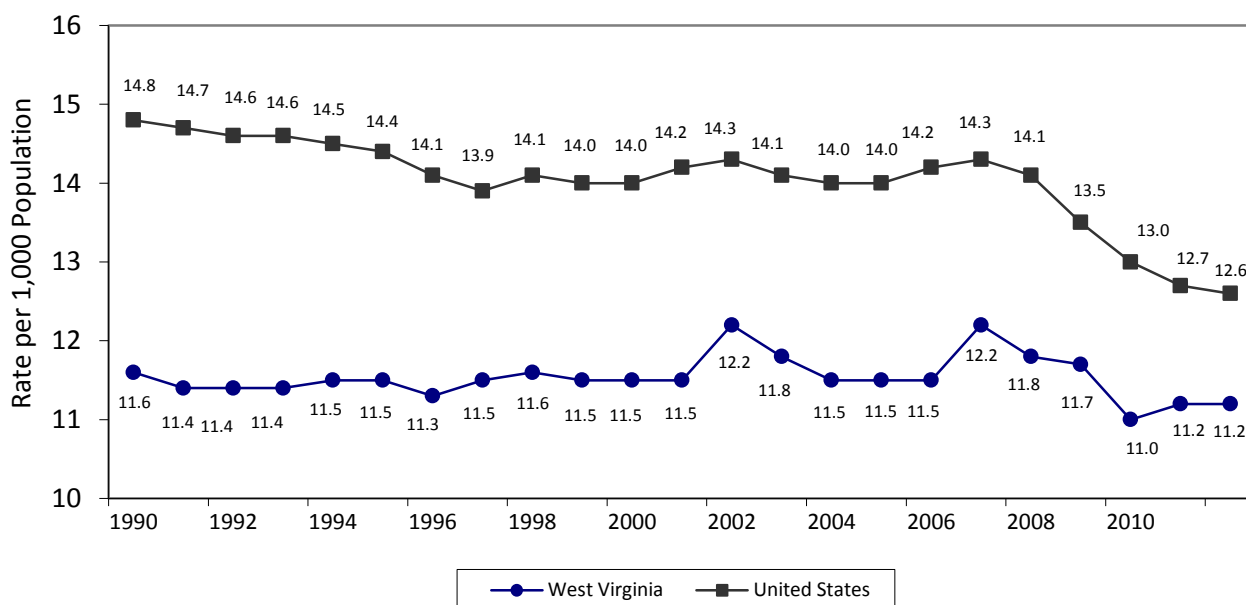
West Virginia Vital Statistics  
**Births**



## Birth Summary

West Virginia's resident live births increased by 108 or 0.5%, from 20,705 in 2011 to 20,813 in 2012. The 2012 birth rate remained the same as 2011 at 11.2 per 1,000 population. The U.S. 2012 birth rate was 12.6 live births per 1,000 population, decreasing 0.1% from the 2011 rate of 12.7. As the graph below shows, West Virginia's birth rate has been well below the national rate since 1990. It continued its overall decline until 1996 and remained relatively stable from 1996 to 2006 and 2008 with a slight increase in 2007.

West Virginia and United States Birth Rates  
1990-2012



The 2012 U.S. fertility rate of 63.2 live births per 1,000 women aged 15-44 was lower (1.4%) than the 2011 rate (64.1). West Virginia's fertility rate increased 1.3%, from 59.9 in 2011 to 60.7 in 2012. 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, 2011					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
43.8	29.5	64.3	69.5	61.3	63.0

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

\*\*National Center for Health Statistics, [http://www.cdc.gov/nchs/data/nvsr/nvsr62/nvsr62\\_09.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr62/nvsr62_09.pdf)

The fertility rate among women aged 15-19 in West Virginia was 48.5% higher than that among young women in the U.S. (43.8 vs. 29.5). The fertility rate among women aged 20-44 was lower by 7.5% in the state than in the nation (64.3 vs.69.5).

The number of births to teen mothers (ages 10-19) decreased by 50 (2.0%), from 2,462 in 2011 to 2,412 in 2012. The percentage of total births represented by teen births was lower in 2012 than 2011 (11.6% vs. 11.9%). 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 (7.8% in 2012).

The percentage of births occurring out of wedlock has risen every year for quite some time. More than two of every five (44.7%) West Virginia resident births were to unwed mothers, compared to 43.8% in 2011. The percentages of white and black births that occurred out of wedlock for West Virginia residents in 2012 were 43.6% and 75.0%, respectively, compared to 42.8% and 76.5% in 2011. In the U.S. in 2012, 29.3% of births to white mothers (non-Hispanic) and 72.1% of births to black mothers (non-Hispanic) occurred out of wedlock. The percentage of West Virginia resident teen births to unmarried teen mothers decreased from 83.8% in 2011 to 82.9% in 2012.

There was a total of 1,917 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2012, 9.2% of all births. Of the 1,917 low birthweight infants, 1,284 or 67.0% were preterm babies born before 37 weeks of gestation. (Of all 2012 resident births with a known gestational age, 10.7% were preterm babies.) In 2012, 9.0% of babies born to white mothers and 12.9% of babies born to black mothers were low birthweight. Nationally, 8.0% of all infants weighed less than 2,500 grams at birth in 2012; 7.0% of births to white mothers (non-Hispanic) and 13.2% of births to black mothers (non-Hispanic) were of low birthweight.

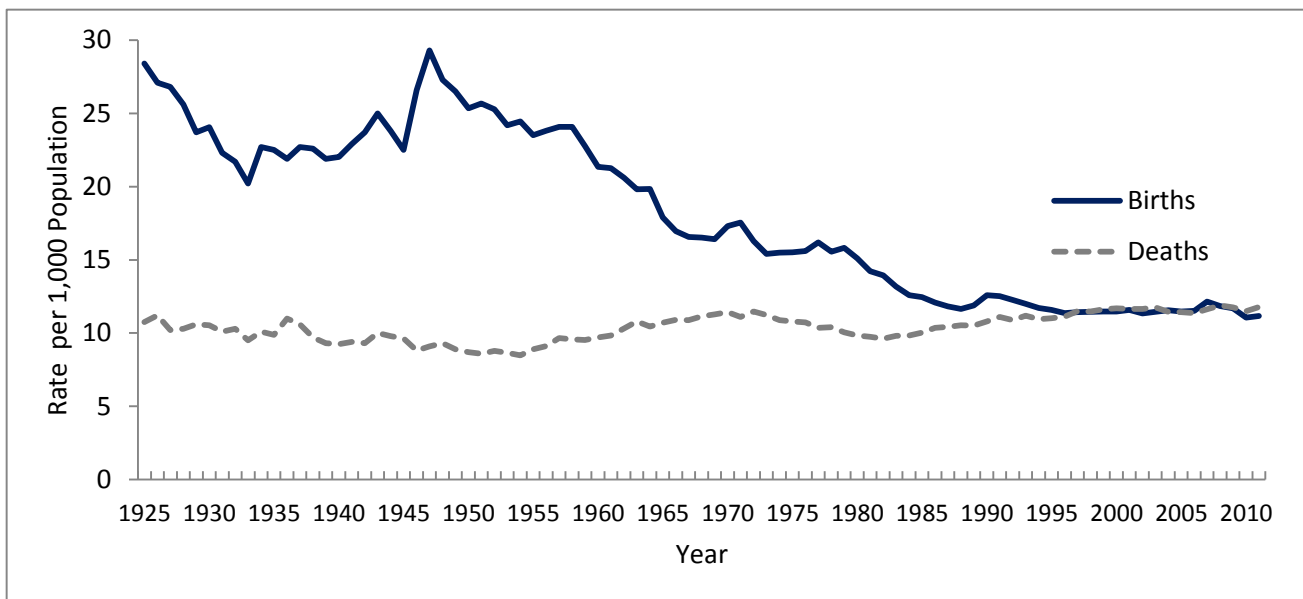
In 2012, 84.1% of West Virginia mothers with known prenatal care began their care during the first trimester of pregnancy, compared with 83.2% of mothers nationwide in 2006 (the latest reliable data available). Among those with known prenatal care, 84.6% of white mothers began care during the first trimester; 74.8% of black mothers did so. (U.S. figures show that 88.1% of white mothers and 76.1% of black mothers had first trimester care.) No prenatal care was received by 0.5% of white mothers and 1.2% of black mothers.

More than one-fourth (26.4%) of the births in 2012 were to mothers who smoked during their pregnancies, while 0.3% of births were to women who reported using alcohol. National figures from 2012 show that 8.7% of women giving birth reported smoking during pregnancy; 0.8% used alcohol in 2004 (the latest data available). Among the state mothers who reported smoking during pregnancy, 14.3% of the babies born were low birthweight, compared with 7.4% among non-smoking mothers. More than one-third (36.4%) of 2012 state births were delivered by Cesarean section, compared with a national rate of 32.8%. One or more complications of labor and/or delivery were reported for 32.4% of deliveries in the state in 2012.

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 North Carolina, that is defined as a West Virginia resident birth and will be included as part of West Virginia's resident statistics; however, it is considered a North Carolina occurrence.



Number and Rate of Resident Births (Compared to Deaths)  
West Virginia, 1925-2012  
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	21,653	11.7

Summary Totals  
West Virginia Resident Births, 2012  
Table 5

Characteristic	Number	Percent	Characteristic	Number	Percent
Total	20,813	100.0%	<u>Mother's Marital Status</u>		
<u>Gender</u>			White or Caucasian	11,082	56.4%
Male	10,523	50.6%	Married	8,572	43.6%
Female	10,290	49.4%	Not Married	12	
Unknown	0		Unknown		
<u>Race of Mother</u>			Black or African American	192	25.0%
White or Caucasian	19,666	94.8%	Married	575	75.0%
Black or African American	767	3.7%	Not Married	0	
All Other Races	314	1.5%	Unknown		
Unknown	66		All Other Races	203	64.6%
<u>Attendant at Birth</u>			Married	111	35.4%
Physician	17,977	86.4%	Not Married	0	
Certified Nurse Midwife	2,668	12.8%	Unknown		
Certified Professional Midwife	27	0.1%	Unknown	21	33.3%
Lay Midwife	52	0.3%	Married	42	66.7%
EMT/Paramedic	7	0.0%	Not Married	3	
Other	64	0.3%	Unknown		
Unknown	18		<u>Method of Delivery</u>		
<u>Place of Birth</u>			Vaginal	12,988	62.8%
Hospital	20,636	99.2%	Vaginal after Previous Cesarean Section	169	0.8%
Home	130	0.6%	Cesarean Section	7,541	36.4%
Freestanding Birthing Center	13	0.1%	Primary	4,202	20.3%
En Route to Hospital	23	0.1%	Repeat	3,339	16.1%
Doctor's Office	0	0.0%	<u>One or More Reported Factors</u>		
Other Specified Address (Not Home)	8	0.0%	Medical Risk Factors	8,729	42.0%
Unknown	3		Complications of Labor and/or Delivery	6,742	32.4%
<u>Mother's Smoking Status</u>			Congenital Malformations	296	1.4%
Smoked During Pregnancy	5,481	26.4%	Abnormal Conditions of the Newborn	1,620	7.8%

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

**Birthweight by Age of Mother**  
**West Virginia Resident Births, 2012**  
**Table 6**

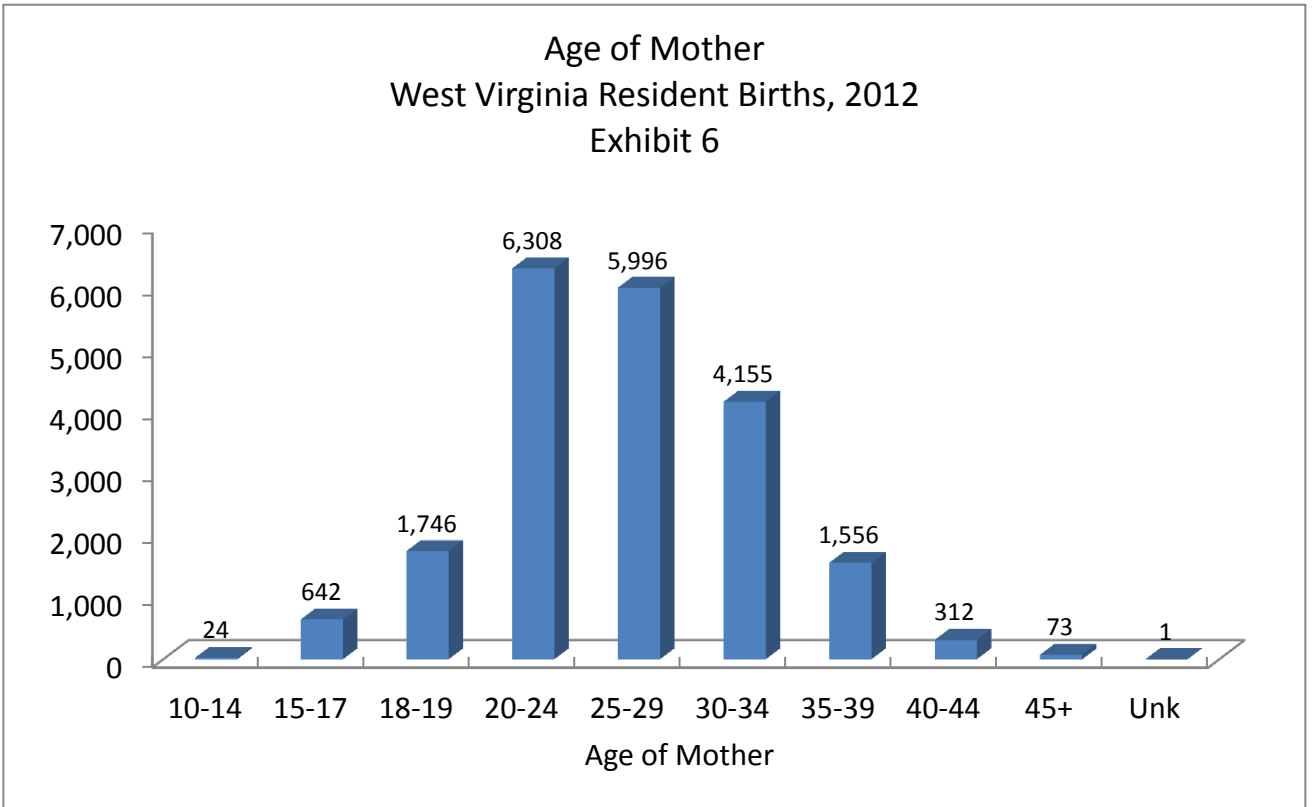
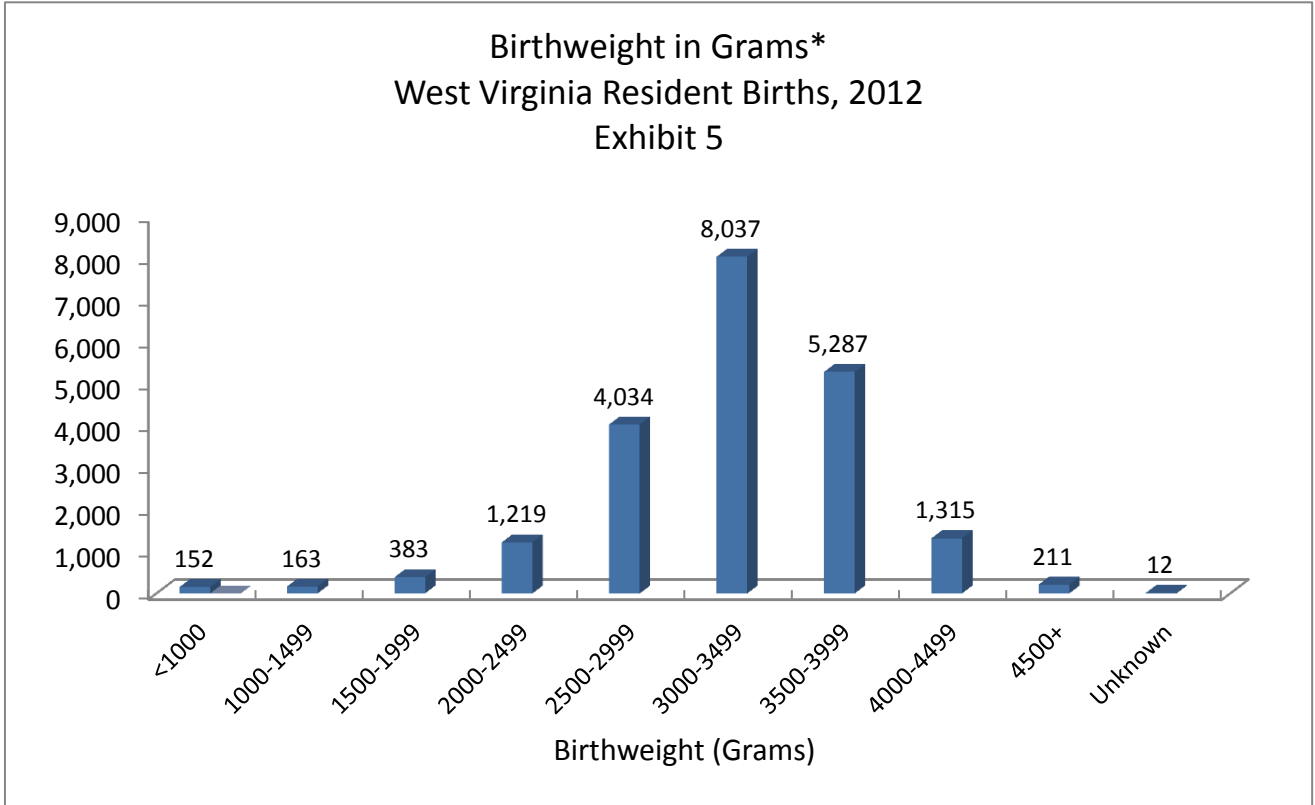
Birthweight	Age of Mother										Total
	10-14 Years	15-17 Years	18-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 and Over	Unknown	
Less than 1,000 Grams (Less than 2.205 lbs.)	1	8	17	36	43	25	15	5	2	0	152
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	0	4	16	51	42	32	14	3	1	0	163
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	16	34	110	88	80	35	17	3	0	383
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	2	49	117	370	320	238	93	18	11	1	1,219
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	8	131	383	1,357	1,088	698	282	70	17	0	4,034
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	10	267	699	2,556	2,292	1,541	537	105	30	0	8,037
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	3	144	392	1,440	1,654	1,156	421	72	5	0	5,287
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	0	22	81	333	404	323	131	19	2	0	1,315
4,500 or more Grams (9.921 or more lbs.)	0	1	7	49	64	59	26	3	2	0	211
Unknown	0	0	0	6	1	3	2	0	0	0	12
<b>Total</b>	<b>24</b>	<b>642</b>	<b>1,746</b>	<b>6,308</b>	<b>5,996</b>	<b>4,155</b>	<b>1,556</b>	<b>312</b>	<b>73</b>	<b>1</b>	<b>20,813</b>

Selected Factors by Birthweight of Infant  
West Virginia Resident Births, 2012  
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	315	1.5%	1,602	7.7%	18,884	90.8%	12	20,813
Maternal Age								
< 20 Years	46	1.9%	218	9.0%	2,148	89.1%	0	2,412
< 15 Years	1	4.2%	2	8.3%	21	87.5%	0	24
Maternal Race								
White or Caucasian	282	1.4%	1,495	7.6%	17,880	91.0%	9	19,666
Black or African American	21	2.7%	78	10.2%	668	87.1%	0	767
All Other Races	9	2.9%	20	6.4%	285	90.8%	0	314
Unknown	3	4.8%	9	14.3%	51	81.0%	3	66
Entry Into Prenatal Care								
First Trimester	246	1.4%	1,209	7.0%	15,835	91.6%	6	17,296
Second Trimester	43	1.6%	288	10.9%	2,321	87.5%	1	2,653
Third Trimester	5	1.0%	46	9.1%	452	89.9%	1	504
No Prenatal Care	5	4.5%	30	26.8%	77	68.8%	0	112
Unknown	16	6.6%	29	11.9%	199	81.6%	4	248
Gestational Age								
< 32 Weeks	262	77.3%	70	20.6%	7	2.1%	1	340
32-36 Weeks	47	2.5%	905	48.0%	933	49.5%	1	1,886
37-38 Weeks	4	0.1%	485	8.7%	5,115	91.3%	2	5,606
39+ Weeks	1	0.0%	140	1.1%	12,820	98.9%	5	12,966
Unknown	1	8.3%	2	16.7%	9	75.0%	3	15
Mother's Education Level								
8 Years or Less	8	2.4%	27	8.2%	295	89.4%	1	331
9-11 Years (No High School Diploma)	59	1.9%	313	10.3%	2,678	87.8%	1	3,051
12 Years (High School or GED)	129	1.7%	662	8.9%	6,668	89.4%	3	7,462
13-15 Years (Some College or Associates Degree)	69	1.5%	297	6.4%	4,273	92.1%	3	4,642
16+ Years (Bachelor's Degree or Higher)	44	0.9%	260	5.1%	4,745	94.0%	1	5,050
Unknown	6	2.2%	43	15.7%	225	82.1%	3	277
Mother's Marital Status								
Married	139	1.2%	715	6.2%	10,639	92.6%	5	11,498
Not Married	176	1.9%	887	9.5%	8,233	88.6%	4	9,300
Unknown	0	0.0%	0	0.0%	12	100.0%	3	15

Percentages are calculated excluding unknown birthweight

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

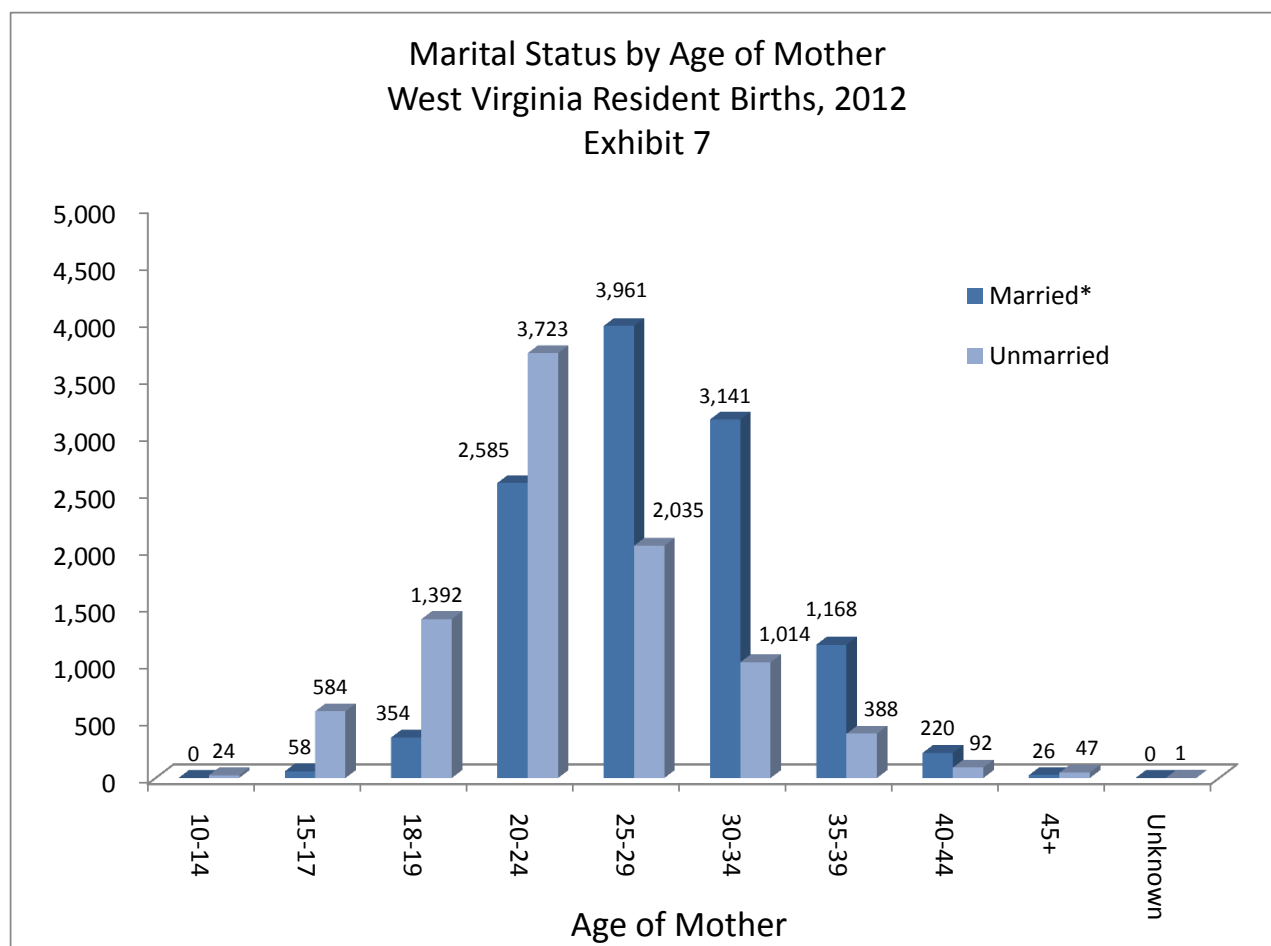


\*See Appendix C, page 171 for grams/pounds conversion.

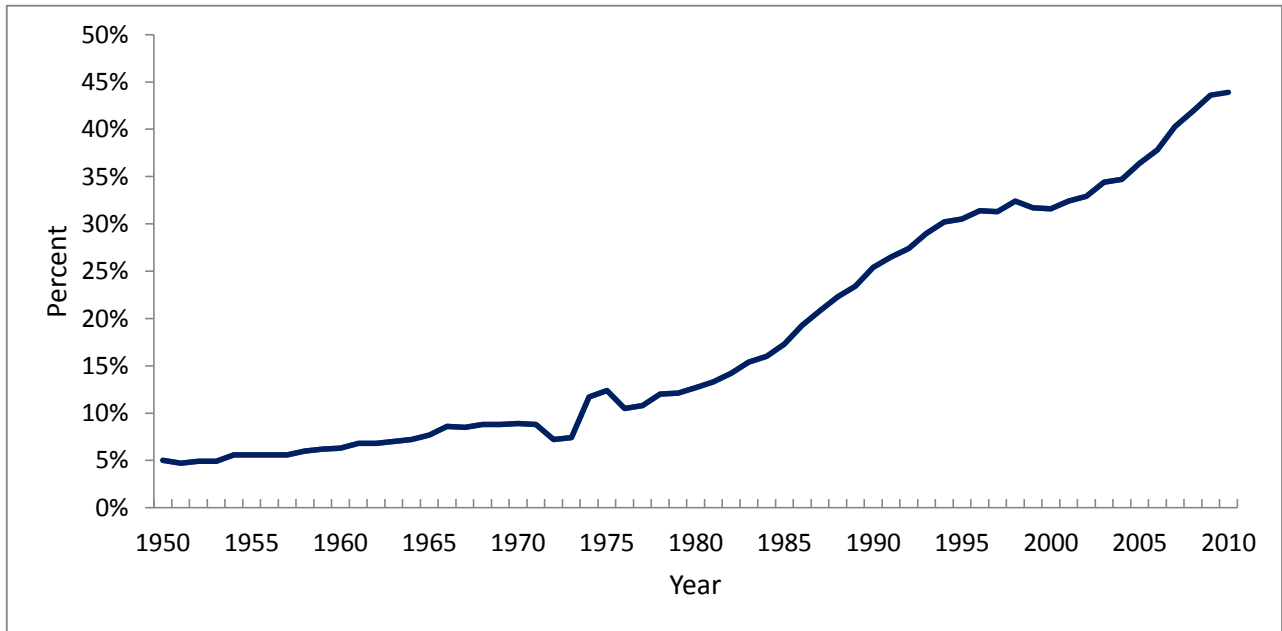
**Marital Status by Age of Mother  
West Virginia Resident Births, 2008-2012**

**Table 8**

Age of Mother	2008		2009		2010		2011		2012	
	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married
10-14	0	26	1	21	0	21	0	27	0	24
15-17	79	700	77	733	59	631	44	621	58	584
18-19	465	1,511	457	1,561	382	1,523	357	1,413	354	1,392
20-24	2,931	3,636	2,834	3,730	2,631	3,637	2,676	3,659	2,585	3,723
25-29	4,429	1,934	4,121	1,941	3,982	1,836	4,034	1,934	3,961	2,035
30-34	2,999	811	3,034	840	2,986	845	3,123	915	3,141	1,014
35-39	1,323	286	1,252	313	1,173	358	1,149	336	1,168	388
40-44	252	82	214	84	263	101	245	112	220	92
45+	13	16	23	37	25	16	16	42	26	47
Unknown	0	0	2	0	0	2	2	0	0	1
WV Total	12,491	9,002	12,015	9,260	11,501	8,970	11,646	9,059	11,513	9,300

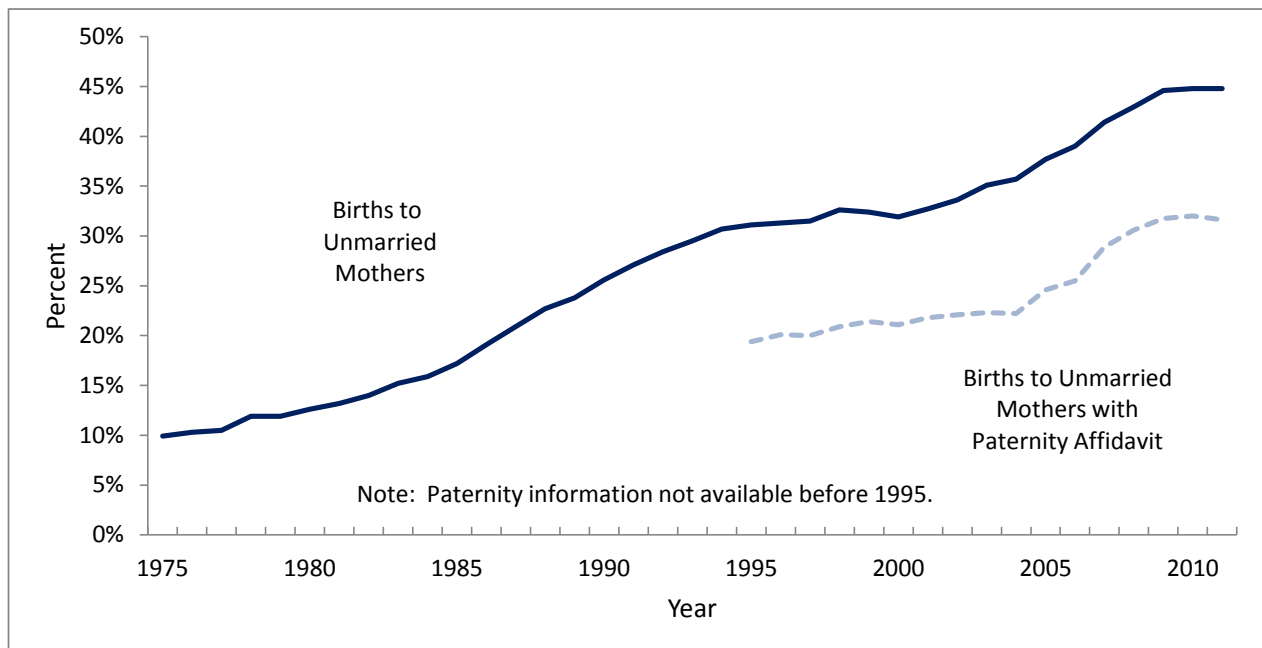


Percent of Births to Unmarried Mothers  
West Virginia Residents, 1950-2012  
Exhibit 8



Year	Resident Births to Unmarried Mothers	
	Number	Percent of Total Births
1950	2,519	5.0%
1955	2,472	5.6%
1960	2,485	6.3%
1965	2,464	7.7%
1970	2,699	8.9%
1975	3,471	12.4%
1980	3,743	12.7%
1985	4,159	17.3%
1990	5,739	25.4%
1995	6,462	30.5%
2000	6,595	31.6%
2005	7,589	36.4%
2010	8,970	43.9%
2011	9,059	43.8%
2012	9,300	44.7%

Percent of Births to Unmarried Mothers and  
 Unmarried Mothers with Paternity Affidavit  
 West Virginia Occurrence Births, 1975-2012  
 Exhibit 9



Year	Occurrence Births to Unmarried Mothers		Occurrence Births to Unmarried Mothers with Father Established Through Paternity Affidavit	
	Number	Percent of Total Births	Number	Percent of Total Births
1975	2,767	9.9%	N/A	N/A
1980	3,786	12.6%	N/A	N/A
1985	4,354	17.2%	N/A	N/A
1990	6,046	25.6%	N/A	N/A
1995	6,890	31.1%	4,300	19.4%
1996	6,820	31.3%	4,368	20.1%
1997	6,822	31.5%	4,340	20.0%
1998	7,035	32.6%	4,512	20.9%
1999	6,919	32.4%	4,578	21.4%
2000	6,904	31.9%	4,563	21.1%
2001	6,874	32.7%	4,573	21.8%
2002	7,110	33.6%	4,680	22.1%
2003	7,545	35.1%	4,796	22.3%
2004	7,616	35.7%	4,736	22.2%
2005	7,964	37.7%	5,199	24.6%
2010	9,289	44.8%	6,638	32.0%
2011	9,383	44.8%	6,624	31.6%
2012	9,645	45.6%	6,805	32.2%



**Selected Factors by Race of Mother  
West Virginia Resident Births, 2012  
Table 9**

Factor	White or Caucasian		Black or African American		All Other Races		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
	Total Births	19,666		767		314		66		20,813
<u>Low Birthweight (&lt; 2,500 Grams)</u>	1,777	9.0%	99	12.9%	29	9.2%	12	9.2%	1,917	9.2%
<u>Maternal Age</u>										
Mothers < 20 Years	2,268	11.5%	122	15.9%	20	6.4%	2	11.6%	2,412	11.6%
Mothers < 15 Years	23	0.1%	1	0.1%	0	0.0%	0	0.1%	24	0.1%
<u>Entry Into Prenatal Care</u>										
First Trimester	16,451	84.6%	568	74.8%	243	79.4%	34	84.1%	17,296	84.1%
Second Trimester	2,442	12.6%	144	19.0%	53	17.3%	14	12.9%	2,653	12.9%
Third Trimester	451	2.3%	38	5.0%	9	2.9%	6	2.5%	504	2.5%
No Prenatal Care	97	0.5%	9	1.2%	1	0.3%	5	0.5%	112	0.5%
Unknown	225		8		8		7		248	
<u>Gestational Age</u>										
< 32 Weeks	306	1.6%	23	3.0%	9	2.9%	2	1.6%	340	1.6%
32-36 Weeks	1,785	9.1%	69	9.0%	22	7.0%	10	9.1%	1,886	9.1%
37-38 Weeks	5,296	26.9%	217	28.3%	76	24.3%	17	27.0%	5,606	27.0%
39+ Weeks	12,271	62.4%	457	59.7%	206	65.8%	32	62.3%	12,966	62.3%
Unknown	8		1		1		5		15	
<u>Place of Birth</u>										
Hospital*	19,530	99.3%	765	99.7%	314	100.0%	63	99.3%	20,672	99.3%
Non-Hospital	135	0.7%	2	0.3%	0	0.0%	1	0.7%	138	0.7%
Unknown	1		0		0		2		3	

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

\*Includes hospitals, en route to hospital and birthing centers.  
Percentages in each category are calculated as a total for that race excluding unknown.

Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2012  
Table 10

Birth Characteristics	Time Prenatal Care Began									Total
	First Trimester		Second Trimester		Third Trimester		No Care		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Mother's Race: All Races	17,296	84.1%	2,653	12.9%	504	2.5%	112	0.5%	248	20,813
<u>Mother's Marital Status</u>										
Married	10,124	88.9%	1,054	9.3%	179	1.6%	28	0.2%	113	11,498
Not Married	7,163	78.1%	1,598	17.4%	325	3.5%	84	0.9%	130	9,300
Unknown	9	90.0%	1	10.0%	0	0.0%	0	0.0%	5	15
<u>Mother's Educational Level</u>										
8 Years or Less	220	67.7%	88	27.1%	14	4.3%	3	0.9%	6	331
9-11 Years (No High School Diploma)	2,246	75.0%	595	19.9%	125	4.2%	30	1.0%	55	3,051
12 Years (High School or GED)	6,051	81.9%	1,104	14.9%	194	2.6%	37	0.5%	76	7,462
13-15 Years (Some College or Associates Degree)	3,986	86.8%	495	10.8%	88	1.9%	22	0.5%	51	4,642
16+ Years (Bachelor's Degree or Higher)	4,640	92.5%	306	6.1%	60	1.2%	8	0.2%	36	5,050
Unknown	153	60.5%	65	25.7%	23	9.1%	12	4.7%	24	277
Mother's Race: White or Caucasian	16,451	84.6%	2,442	12.6%	451	2.3%	97	0.5%	225	19,666
<u>Mother's Marital Status</u>										
Married	9,790	89.2%	993	9.0%	168	1.5%	24	0.2%	107	11,082
Not Married	6,652	78.7%	1,448	17.1%	283	3.3%	73	0.9%	116	8,572
Unknown	9	90.0%	1	10.0%	0	0.0%	0	0.0%	2	12
<u>Mother's Educational Level</u>										
8 Years or Less	215	68.7%	82	26.2%	14	4.5%	2	0.6%	6	319
9-11 Years (No High School Diploma)	2,134	75.3%	556	19.6%	114	4.0%	29	1.0%	50	2,883
12 Years (High School or GED)	5,794	82.5%	1,020	14.5%	175	2.5%	33	0.5%	70	7,092
13-15 Years (Some College or Associates Degree)	3,779	87.2%	454	10.5%	79	1.8%	21	0.5%	46	4,379
16+ Years (Bachelor's Degree or Higher)	4,411	92.9%	280	5.9%	53	1.1%	6	0.1%	36	4,786
Unknown	118	62.1%	50	26.3%	16	8.4%	6	3.2%	17	207

West Virginia Bureau for Public Health  
Health Statistics Center, 2015  
Percentages are calculated excluding unknown.

Prenatal Care by Mother's Race, Marital Status and Education  
 West Virginia Resident Births, 2012  
 Table 10 (Cont'd)

Birth Characteristics	Time Prenatal Care Began										Total
	First Trimester		Second Trimester		Third Trimester		No Care		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent			
Mother's Race: Black or African American	568	74.8%	144	19.0%	38	5.0%	9	1.2%	8	767	
<u>Mother's Marital Status</u>											
Married	155	80.7%	29	15.1%	5	2.6%	3	1.6%	0	192	
Not Married	413	72.8%	115	20.3%	33	5.8%	6	1.1%	8	575	
Unknown	0		0		0		0		0	0	
<u>Mother's Educational Level</u>											
8 Years or Less	3	50.0%	2	33.3%	0	0.0%	1	16.7%	0	6	
9-11 Years (No High School Diploma)	88	70.4%	27	21.6%	9	7.2%	1	0.8%	2	127	
12 Years (High School or GED)	208	69.8%	68	22.8%	18	6.0%	4	1.3%	5	303	
13-15 Years (Some College or Associates Degree)	151	79.1%	31	16.2%	8	4.2%	1	0.5%	1	192	
16+ Years (Bachelor's Degree or Higher)	112	84.8%	16	12.1%	3	2.3%	1	0.8%	0	132	
Unknown	6	85.7%	0	0.0%	0	0.0%	1	14.3%	0	7	
Mother's Race: All Other Races	243	79.4%	53	17.3%	9	2.9%	1	0.3%	8	314	
<u>Mother's Marital Status</u>											
Married	168	84.0%	29	14.5%	3	1.5%	0	0.0%	3	203	
Not Married	75	70.8%	24	22.6%	6	5.7%	1	0.9%	5	111	
Unknown	0		0		0		0		0	0	
<u>Mother's Educational Level</u>											
8 Years or Less	2	33.3%	4	66.7%	0	0.0%	0	0.0%	0	6	
9-11 Years (No High School Diploma)	23	63.9%	11	30.6%	2	5.6%	0	0.0%	3	39	
12 Years (High School or GED)	48	73.8%	16	24.6%	1	1.5%	0	0.0%	0	65	
13-15 Years (Some College or Associates Degree)	54	83.1%	10	15.4%	1	1.5%	0	0.0%	4	69	
16+ Years (Bachelor's Degree or Higher)	116	88.5%	10	7.6%	4	3.1%	1	0.8%	0	131	
Unknown	0	0.0%	2	66.7%	1	33.3%	0	0.0%	1	4	

Percentages are calculated excluding unknown.

Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2012  
Table 11

Hospital	Total	Method of Delivery												Un- known
		Vaginal		Vaginal after Cesarean Section		Total		Primary		Repeat		Un- known		
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent			
Bluefield Regional Medical Center	647	429	66.5%	2	0.3%	214	33.2%	109	16.9%	105	16.3%	2		
Braxton County Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0		
C.A.M.C. - Women & Children's Hospital	2,794	1,643	58.8%	4	0.1%	1,147	41.1%	635	22.7%	512	18.3%	0		
Cabell-Huntington Hospital	2,628	1,620	61.6%	4	0.2%	1,004	38.2%	564	21.5%	440	16.7%	0		
Camden-Clark Medical Center Memorial Campus	1,571	961	61.2%	15	1.0%	594	37.8%	329	21.0%	265	16.9%	1		
City Hospital	929	704	75.8%	2	0.2%	223	24.0%	94	10.1%	129	13.9%	0		
Davis Memorial Hospital	370	244	65.9%	0	0.0%	126	34.1%	77	20.8%	49	13.2%	0		
Fairmont General Hospital	373	255	68.4%	2	0.5%	116	31.1%	60	16.1%	56	15.0%	0		
Grant Memorial Hospital	243	127	52.3%	0	0.0%	116	47.7%	71	29.2%	45	18.5%	0		
Greenbrier Valley Hospital	631	488	77.3%	11	1.7%	132	20.9%	77	12.2%	55	8.7%	0		
Jefferson Memorial Hospital	279	197	70.6%	2	0.7%	80	28.7%	43	15.4%	37	13.3%	0		
Logan Regional Medical Center	302	126	41.9%	0	0.0%	175	58.1%	101	33.6%	74	24.6%	1		
Monongalia General Hospital	1,010	680	67.3%	8	0.8%	322	31.9%	196	19.4%	126	12.5%	0		
Ohio Valley Medical Center	269	179	66.5%	3	1.1%	87	32.3%	53	19.7%	34	12.6%	0		
Pleasant Valley Hospital	187	106	56.7%	2	1.1%	79	42.2%	39	20.9%	40	21.4%	0		
Preston Memorial Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0		
Princeton Community Hospital	672	353	59.1%	2	0.3%	242	40.5%	135	22.6%	107	17.9%	75		
Raleigh General Hospital	1,422	1,010	71.2%	13	0.9%	396	27.9%	193	13.6%	203	14.3%	3		
Reynolds Memorial Hospital	133	74	55.6%	1	0.8%	58	43.6%	34	25.6%	24	18.0%	0		
Roane General Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0		
St. Joseph's Hospital (Buckhannon)	295	235	80.5%	2	0.7%	55	18.8%	36	12.3%	19	6.5%	3		
St. Mary's Medical Center	424	288	67.9%	1	0.2%	135	31.8%	69	16.3%	66	15.6%	0		
Stonewall Jackson Memorial Hospital	296	173	58.6%	3	1.0%	119	40.3%	71	24.1%	48	16.3%	1		
Summersville Memorial Hospital	288	174	60.4%	1	0.3%	113	39.2%	61	21.2%	52	18.1%	0		
Thomas Memorial Hospital	1,086	523	48.2%	6	0.6%	556	51.2%	307	28.3%	249	22.9%	1		
United Hospital Center	961	592	61.7%	12	1.3%	356	37.1%	194	20.2%	162	16.9%	1		
WVU Hospitals, Inc.	1,378	819	59.7%	37	2.7%	516	37.6%	326	23.8%	190	13.8%	6		
Weirton Medical Center	407	225	55.3%	3	0.7%	179	44.0%	98	24.1%	81	19.9%	0		
Welch Community Hospital	66	47	71.2%	0	0.0%	19	28.8%	9	13.6%	10	15.2%	0		
Wheeling Hospital	1,213	699	57.6%	9	0.7%	505	41.6%	309	25.5%	196	16.2%	0		
Williamson Memorial Hospital	103	17	16.7%	0	0.0%	85	83.3%	26	25.5%	59	57.8%	1		
WomenCare, Inc.	9	9	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0		
----- Non-Hospital	163	143	88.3%	17	10.5%	2	1.2%	0	0.0%	2	1.2%	1		
West Virginia Total Occurrences	21,154	13,145	62.4%	162	0.8%	7,751	36.8%	4,316	20.5%	3,435	16.3%	96		

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Full-Term Births (39 or More Weeks Gestation) by Method of Delivery  
 Number and Percent by Facility of Occurrence  
 West Virginia, 2012  
 Table 12

Hospital	Total	Method of Delivery										Un- known	
		Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Bluefield Regional Medical Center	322	227	70.5%	1	0.3%	94	29.2%	47	14.6%	47	14.6%	0	0.0%
Braxton County Memorial Hospital	0	0	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	1,586	981	61.9%	1	0.1%	604	38.1%	308	19.4%	296	18.7%	0	0.0%
Cabell-Huntington Hospital	1,434	929	64.8%	1	0.1%	504	35.1%	274	19.1%	230	16.0%	0	0.0%
Camden-Clark Medical Center Memorial Campus	893	531	59.5%	7	0.8%	354	39.7%	195	21.9%	159	17.8%	1	0.1%
City Hospital	591	460	77.8%	0	0.0%	131	22.2%	55	9.3%	76	12.9%	0	0.0%
Davis Memorial Hospital	261	168	64.4%	0	0.0%	93	35.6%	58	22.2%	35	13.4%	0	0.0%
Fairmont General Hospital	268	181	67.5%	0	0.0%	87	32.5%	48	17.9%	39	14.6%	0	0.0%
Grant Memorial Hospital	178	91	51.1%	0	0.0%	87	48.9%	52	29.2%	35	19.7%	0	0.0%
Greenbrier Valley Hospital	464	361	77.8%	8	1.7%	95	20.5%	50	10.8%	45	9.7%	0	0.0%
Jefferson Memorial Hospital	230	162	70.4%	1	0.4%	67	29.1%	36	15.7%	31	13.5%	0	0.0%
Logan Regional Medical Center	159	68	42.8%	0	0.0%	91	57.2%	60	37.7%	31	19.5%	0	0.0%
Monongalia General Hospital	757	517	68.3%	6	0.8%	234	30.9%	150	19.8%	84	11.1%	0	0.0%
Ohio Valley Medical Center	143	96	67.1%	0	0.0%	47	32.9%	27	18.9%	20	14.0%	0	0.0%
Pleasant Valley Hospital	123	74	60.2%	1	0.8%	48	39.0%	26	21.1%	22	17.9%	0	0.0%
Preston Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Princeton Community Hospital	365	197	61.8%	2	0.6%	120	37.6%	63	19.7%	57	17.9%	46	12.6%
Raleigh General Hospital	932	647	69.6%	11	1.2%	272	29.2%	121	13.0%	151	16.2%	2	0.2%
Reynolds Memorial Hospital	45	25	55.6%	0	0.0%	20	44.4%	14	31.1%	6	13.3%	0	0.0%
Roane General Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
St. Joseph's Hospital (Buckhannon)	232	186	81.2%	1	0.4%	42	18.3%	26	11.4%	16	7.0%	3	1.3%
St. Mary's Medical Center	278	196	70.5%	1	0.4%	81	29.1%	39	14.0%	42	15.1%	0	0.0%
Stonewall Jackson Memorial Hospital	182	112	61.9%	2	1.1%	67	37.0%	35	19.3%	32	17.7%	1	0.5%
Summersville Memorial Hospital	183	116	63.4%	0	0.0%	67	36.6%	37	20.2%	30	16.4%	0	0.0%
Thomas Memorial Hospital	677	334	49.4%	6	0.9%	336	49.7%	171	25.3%	165	24.4%	1	0.1%
United Hospital Center	716	435	60.8%	7	1.0%	273	38.2%	144	20.1%	129	18.0%	1	0.1%
WVU Hospitals, Inc.	642	441	68.9%	19	3.0%	180	28.1%	106	16.6%	74	11.6%	2	0.3%
Weirton Medical Center	246	141	57.3%	3	1.2%	102	41.5%	50	20.3%	52	21.1%	0	0.0%
Welch Community Hospital	37	28	75.7%	0	0.0%	9	24.3%	5	13.5%	4	10.8%	0	0.0%
Wheeling Hospital	928	539	58.1%	7	0.8%	382	41.2%	233	25.1%	149	16.1%	0	0.0%
Williamson Memorial Hospital	61	14	23.0%	0	0.0%	47	77.0%	19	31.1%	28	45.9%	0	0.0%
WomenCare, Inc.	6	6	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
----- Non-Hospital	124	107	86.3%	15	12.1%	2	1.6%	0	0.0%	2	1.6%	0	0.0%
West Virginia Total Occurrences	13,065	8,372	64.4%	100	0.8%	4,536	34.9%	2,449	18.8%	2,087	16.0%	57	0.4%

Percentages are calculated excluding unknown.

**Labor-Induced Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2012  
Table 13**

Hospital	Total	Method of Delivery												Un- known
		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			
Bluefield Regional Medical Center	79	63	79.7%	0	0.0%	16	20.3%	11	13.9%	5	6.3%	0	0.0%	
Braxton County Memorial Hospital	0	0	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	1,055	798	75.6%	0	0.0%	257	24.4%	256	24.3%	1	0.1%	0	0.0%	
Cabell-Huntington Hospital	683	455	66.6%	1	0.1%	227	33.2%	142	20.8%	85	12.4%	0	0.0%	
Camden-Clark Medical Center Memorial Campus	333	227	68.2%	4	1.2%	102	30.6%	97	29.1%	5	1.5%	0	0.0%	
City Hospital	10	9	90.0%	0	0.0%	1	10.0%	1	10.0%	0	0.0%	0	0.0%	
Davis Memorial Hospital	44	33	75.0%	0	0.0%	11	25.0%	11	25.0%	0	0.0%	0	0.0%	
Fairmont General Hospital	161	137	85.1%	1	0.6%	23	14.3%	22	13.7%	1	0.6%	0	0.0%	
Grant Memorial Hospital	80	51	63.8%	0	0.0%	29	36.3%	29	36.3%	0	0.0%	0	0.0%	
Greenbrier Valley Hospital	83	76	91.6%	1	1.2%	6	7.2%	6	7.2%	0	0.0%	0	0.0%	
Jefferson Memorial Hospital	55	46	83.6%	0	0.0%	9	16.4%	9	16.4%	0	0.0%	0	0.0%	
Logan Regional Medical Center	48	22	45.8%	0	0.0%	26	54.2%	24	50.0%	2	4.2%	0	0.0%	
Monongalia General Hospital	182	138	75.8%	2	1.1%	42	23.1%	40	22.0%	2	1.1%	0	0.0%	
Ohio Valley Medical Center	104	77	74.0%	0	0.0%	27	26.0%	24	23.1%	3	2.9%	0	0.0%	
Pleasant Valley Hospital	46	36	78.3%	0	0.0%	10	21.7%	10	21.7%	0	0.0%	0	0.0%	
Preston Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
Princeton Community Hospital	313	207	77.2%	1	0.4%	60	22.4%	58	21.6%	2	0.7%	45	14.4%	
Raleigh General Hospital	209	174	83.3%	0	0.0%	35	16.7%	30	14.4%	5	2.4%	0	0.0%	
Reynolds Memorial Hospital	49	33	67.3%	0	0.0%	16	32.7%	15	30.6%	1	2.0%	0	0.0%	
Roane General Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
St. Joseph's Hospital (Buckhannon)	64	56	87.5%	0	0.0%	8	12.5%	6	9.4%	2	3.1%	0	0.0%	
St. Mary's Medical Center	156	127	81.4%	0	0.0%	29	18.6%	29	18.6%	0	0.0%	0	0.0%	
Stonewall Jackson Memorial Hospital	64	42	65.6%	1	1.6%	21	32.8%	21	32.8%	0	0.0%	0	0.0%	
Summersville Memorial Hospital	61	47	77.0%	0	0.0%	14	23.0%	14	23.0%	0	0.0%	0	0.0%	
Thomas Memorial Hospital	379	265	70.1%	2	0.5%	111	29.4%	101	26.7%	10	2.6%	1	0.3%	
United Hospital Center	309	225	72.8%	4	1.3%	80	25.9%	73	23.6%	7	2.3%	0	0.0%	
WVU Hospitals, Inc.	263	207	79.3%	4	1.5%	50	19.2%	48	18.4%	2	0.8%	2	0.8%	
Weirton Medical Center	165	129	78.2%	2	1.2%	34	20.6%	34	20.6%	0	0.0%	0	0.0%	
Welch Community Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
Wheeling Hospital	65	51	78.5%	0	0.0%	14	21.5%	13	20.0%	1	1.5%	0	0.0%	
Williamson Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
WomenCare, Inc.	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
----- Non-Hospital	3	3	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
West Virginia Total Occurrences	5,063	3,734	74.5%	23	0.5%	1,258	25.1%	1,124	22.4%	134	2.7%	48	1.0%	

Percentages are calculated excluding unknown.

Mother's Marital Status and Method of Paternity Establishment  
 Unmarried Mothers by Hospital of Birth  
 West Virginia Occurrences, 2012  
 Table 14

Hospital	Total Births	Mother's Marital Status			Mother Unmarried with Paternity Established			Mother Unmarried with Father Unknown
		Married (or Un-known)	Un-married	Percent Un-married	Paternity Affidavit Accepted	Percent of Unmarried Births	Father Established by Other Methods	
Bluefield Regional Medical Center	647	306	341	52.7%	179	52.5%	61	101
Braxton County Memorial Hospital	1	1	0	0.0%	0	0.0%	0	0
C.A.M.C. - Women & Children's Hospital	2,794	1,608	1,186	42.4%	834	70.3%	129	223
Cabell-Huntington Hospital	2,628	1,448	1,180	44.9%	769	65.2%	104	307
Camden-Clark Medical Center Memorial Campus	1,571	839	732	46.6%	528	72.1%	57	147
City Hospital	929	351	578	62.2%	423	73.2%	36	119
Davis Memorial Hospital	370	191	179	48.4%	140	78.2%	8	31
Fairmont General Hospital	373	173	200	53.6%	144	72.0%	13	43
Grant Memorial Hospital	243	102	141	58.0%	110	78.0%	12	19
Greenbrier Valley Hospital	631	315	316	50.1%	246	77.8%	32	38
Jefferson Memorial Hospital	279	113	166	59.5%	126	75.9%	11	29
Logan Regional Medical Center	302	141	161	53.3%	97	60.2%	25	39
Monongalia General Hospital	1,010	679	331	32.8%	266	80.4%	10	55
Ohio Valley Medical Center	269	121	148	55.0%	103	69.6%	8	37
Pleasant Valley Hospital	187	76	111	59.4%	77	69.4%	14	20
Preston Memorial Hospital	2	0	2	100.0%	2	100.0%	0	0
Princeton Community Hospital	672	428	244	36.3%	179	73.4%	28	37
Raleigh General Hospital	1,422	734	688	48.4%	460	66.9%	77	151
Reynolds Memorial Hospital	133	49	84	63.2%	57	67.9%	8	19
Roane General Hospital	2	1	1	50.0%	0	0.0%	1	0
St. Joseph's Hospital (Buckhannon)	295	184	111	37.6%	72	64.9%	13	26
St. Mary's Medical Center	424	302	122	28.8%	89	73.0%	7	26
Stonewall Jackson Memorial Hospital	296	140	156	52.7%	109	69.9%	18	29
Summersville Memorial Hospital	288	151	137	47.6%	83	60.6%	22	32
Thomas Memorial Hospital	1,086	595	491	45.2%	372	75.8%	54	65
United Hospital Center	961	561	400	41.6%	308	77.0%	28	64
WVU Hospitals, Inc.	1,378	878	500	36.3%	341	68.2%	46	113
Weirton Medical Center	407	206	201	49.4%	153	76.1%	12	36
Welch Community Hospital	66	23	43	65.2%	23	53.5%	11	9
Wheeling Hospital	1,213	619	594	49.0%	450	75.8%	33	111
Williamson Memorial Hospital	103	42	61	59.2%	38	62.3%	6	17
WomenCare, Inc.	9	7	2	22.2%	2	100.0%	0	0
----- Non-Hospital	163	125	38	23.3%	25	65.8%	5	8
WV Total Occurrences	21,154	11,509	9,645	45.6%	6,805	70.6%	889	1,951

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Out-of-State Occurrences  
West Virginia Resident Births, 2008-2012

Table 15

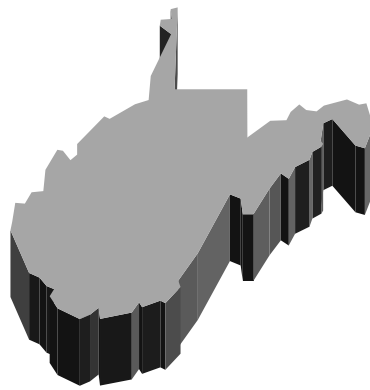
State	2008 Births	2009 Births	2010 Births	2011 Births	2012 Births
Virginia	1,135	1,044	1,004	1,052	962
Maryland	659	680	637	623	676
Ohio	387	343	297	285	352
Kentucky	199	217	195	183	185
Pennsylvania	119	114	101	112	116
Tennessee	5	5	5	3	1
Florida	2	4	6	4	3
District of Columbia	6	4	0	5	4
North Carolina	2	1	3	3	5
Utah	3	5	0	3	0
Texas	1	3	0	1	3
Arizona	5	0	1	1	0
New Jersey	5	0	1	0	0
All Other States	11	18	25	12	12
Total	2,539	2,438	2,275	2,287	2,319

Out-of-State Resident Births Born in West Virginia  
West Virginia Occurrence Births, 2008-2012

Table 16

State	2008 Births	2009 Births	2010 Births	2011 Births	2012 Births
Ohio	1,600	1,547	1,570	1,623	1,630
Virginia	317	325	331	289	289
Pennsylvania	249	260	283	277	308
Kentucky	225	222	270	251	308
Maryland	58	68	75	69	77
North Carolina	8	6	4	9	10
New York	4	4	4	1	2
Florida	4	2	3	0	4
Texas	3	1	3	1	5
Indiana	1	3	2	3	1
Michigan	1	2	4	1	2
South Carolina	2	2	1	0	4
All Other States	17	20	14	17	20
Total	2,489	2,462	2,564	2,541	2,660





West Virginia Vital Statistics  
**Deaths**



## Death Summary

The number of West Virginia resident deaths decreased by 217, from 21,870 in 2011 to 21,653 in 2012. The state's crude death rate declined from 2011 at 11.8 per 1,000 population to 11.7 in 2012. The average age at death for West Virginians was 72.1 (68.8 for men and 75.4 for women), almost the exact same as the 2011 average of 72.1 (68.8 for men and 75.5 for women). One hundred and thirty-seven (137) West Virginia residents who died in 2012 were age 100 or older. The oldest man was 104 years old while the oldest woman was 106 years old at the time of death.

Heart disease, cancer and chronic lower respiratory diseases, the three leading causes of death, accounted for 50.8% of West Virginia resident deaths in 2012. Compared with 2011, the number of state deaths due to heart disease decreased by 59 or 1.2% while cancer deaths also decreased 2.9%. Chronic lower respiratory disease, the third leading cause, decreased 5.1%; stroke mortality, the fifth leading cause, increased 6.1%. Diabetes mellitus deaths decreased by 56 or 7.1%, while the number of reported deaths due to influenza/pneumonia decreased by 33 or 7.3%. Dementia, the sixth leading cause of death in the Mountain State, decreased by 13 or 1.3%, while Alzheimer's disease also decreased 3.6%. Accidental deaths were the fourth leading cause of death for the sixth year in a row. The number of accidental deaths declined by 94 (6.5%), from 1,445 in 2011 to 1,351 in 2012. Motor vehicle accident deaths decreased by 23 or 6.1%, from 377 in 2011 to 354 in 2012. Accidental poisoning deaths are still a major concern in West Virginia, but it decreased by 93 (15.4%) from 603 in 2011 to 510 in 2012. Accidental poisoning accounted for nearly one-fourth (24.8%) of all deaths in the age group of 25-34. The vast majority of these deaths was due to both legal and illicit ingestion of prescription pharmaceuticals.

Accidents were the leading cause of death for ages one through 44 years. Motor vehicle accident fatalities and suicides are the two leading causes of death for young adults aged 15 through 24, accounting for nearly half (49.7%) of all deaths for this age group in 2012. West Virginia's 2012 motor vehicle fatalities included six children under five years of age, four more than 2011.

Suicides increased by 16, from 309 to 325 between 2011 and 2012. Male suicides increased by three or 1.2%, from 250 in 2011 to 253 in 2012; the number of female suicides (72) increased by 13 or 22.0% from 2011. Sixty percent (60.6%) of all suicide deaths were firearm related — 66.0% of male suicides and 41.7% of female suicides. The average age of death for a suicide victim in 2012 was 45.5 years. While suicide was the eleventh 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 15 in 2012, two more than 2011 at 13.

Homicides increased by three, from 107 in 2011 to 110 in 2012. Seventy-nine (79) of the homicide victims were male, 31 were female. The average age at death for a homicide victim in 2012 was 39.3 years. There were six homicide victims under the age of five in 2012, compared with eight in 2011. Nearly two-thirds (64.5%) of 2012 homicide deaths were due to firearms.

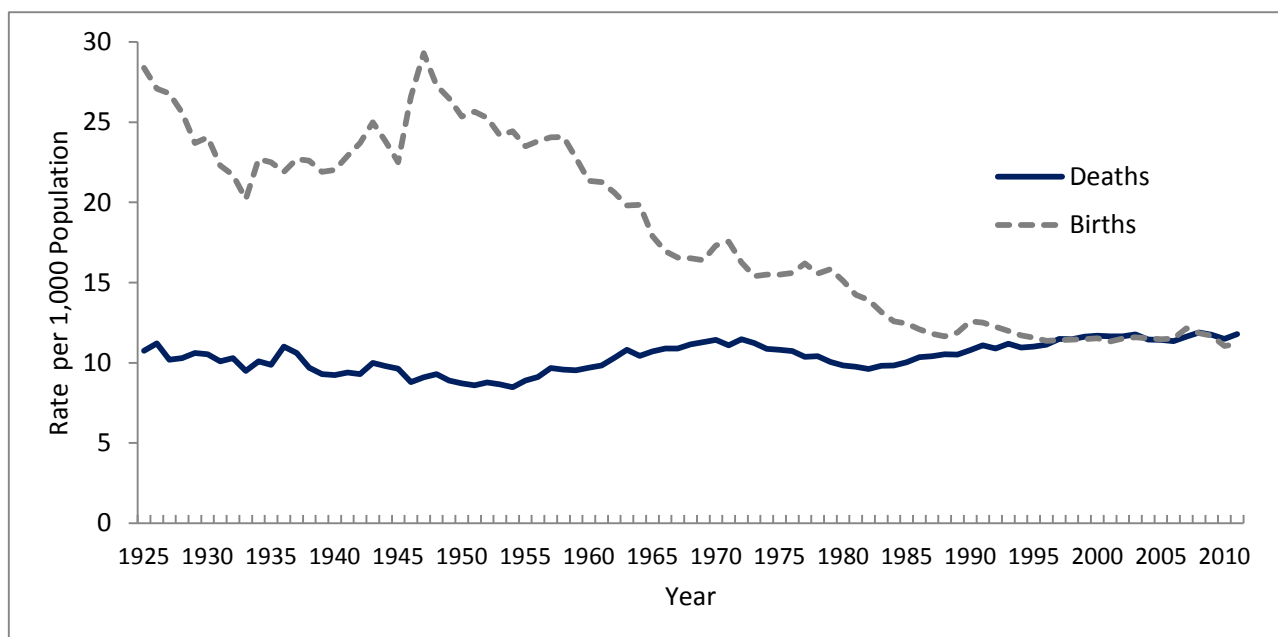
The statistics presented in this publication refer to resident data unless otherwise indicated. A resident death is determined by where the decedent last lived at the time of death. An occurrence death is determined by where the decedent died. If a person lived in West Virginia but died in Washington, DC, 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 District of Columbia occurrence.

### Years of Potential Life Lost (YPLL)

YPLL is a measure of mortality calculated as the difference between age 75 (an average life span) and the age at death. Using YPLL before age 75, the sum of YPLL across all causes of death represents the total YPLL for all persons dying before the age of 75. A person dying at the age of 26 would, therefore, contribute 49 years to the total YPLL ( $75-26=49$ ). YPLL is an important tool in emphasizing and evaluating causes of premature death.

The YPLL from all causes decreased 0.8%, from 178,842 YPLL in 2011 to 177,365 in 2012. The four leading causes of YPLL in 2012 were malignant neoplasms (36,249 YPLL), diseases of the heart (26,005 YPLL), non-motor vehicle accidents (22,340 YPLL) and motor vehicle accidents (10,770 YPLL). Combined, these four causes accounted for over half (53.8%) of all years of potential life lost in 2012. In comparison to 2011, YPLL attributable to malignant neoplasms decreased from 20.5% to 20.4% of the total YPLL. YPLL due to diseases of the heart remained the same at 14.7%, YPLL due to non-motor vehicle accidents decreased from 14.5% to 12.6%, and the percentage of total YPLL due to motor vehicle crashes decreased from 6.2% to 6.1%.

Number and Rate of Resident Deaths (Compared to Births)  
West Virginia, 1925-2012  
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	21,653	11.7	20,813	11.2

Summary Totals  
West Virginia Resident Deaths, 2012  
Table 17

Characteristic	Number	Percent	Characteristic	Number	Percent
<u>Total</u>			<u>Place Death Occurred</u>		
Residence Occurrence	21,653	100.0%	WV Hospital Home	7,405	34.2%
	21,419		Licensed Nursing Home	6,159	28.4%
<u>Gender</u>			Hospice Care	3,123	14.4%
Male	10,888	50.3%	Named Place or Street Address	1,848	8.5%
Female	10,765	49.7%	Out-of-State Hospital	1,244	5.7%
<u>Disposition of Death</u>			Unlicensed Personal Care	1,246	5.8%
Burial	14,123	67.3%	En Route to Hospital	350	1.6%
Cremation	5,514	26.3%	Clinic or Center	246	1.1%
Removal from State	412	2.0%	Other and Unknown	24	0.1%
Donation	366	1.7%		8	0.0%
Other	576	2.7%	<u>Race</u>		
Unknown	662		White or Caucasian	20,899	96.6%
<u>Age at Death</u>			Black or African American	681	3.1%
Less than One Year of Age	152	0.7%	All Other Races	73	0.3%
One to Four Years	39	0.2%	Unknown	29	
Five to Fourteen Years	37	0.2%	<u>Leading Causes of Death</u>		
Fifteen to Nineteen Years	57	0.3%	Diseases of the Heart	4,862	22.5%
Twenty to Twenty-Four Years	128	0.6%	Malignant Neoplasms	4,642	21.4%
Twenty-Five to Thirty-Four Years	439	2.0%	Chronic Lower Respiratory Disease	1,492	6.9%
Thirty-Five to Forty-Four Years	691	3.2%	Accidents, All Forms	1,351	6.2%
Forty-Five to Fifty-Four Years	1,591	7.3%	Cerebrovascular Disease	1,118	5.2%
Fifty-Five to Sixty-Four Years	3,026	14.0%	Dementia	996	4.6%
Sixty-Five to Seventy-Four Years	4,057	18.7%	Diabetes Mellitus	736	3.4%
Seventy-Five to Eighty-Four Years	5,584	25.8%	Alzheimer's Disease	587	2.7%
Eighty-Five Years and Older	5,850	27.0%	Nephritis, Nephrotic Syndrome and Nephrosis	465	2.1%
			Influenza and Pneumonia	422	1.9%
			All Other Causes (Residual)	4,982	23.0%

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

Out-of-State Occurrences  
West Virginia Resident Deaths, 2008-2012

Table 18

State of Occurrence	2008 Deaths	2009 Deaths	2010 Deaths	2011 Deaths	2012 Deaths
Virginia	570	540	562	617	603
Ohio	574	566	574	602	437
Maryland	268	286	282	282	207
Pennsylvania	178	194	192	193	226
Kentucky	140	148	138	162	163
North Carolina	45	58	59	55	48
Florida	42	47	57	50	46
Tennessee	30	17	27	18	30
South Carolina	8	20	15	20	8
District of Columbia	17	14	23	8	5
Georgia	6	15	10	14	0
Texas	4	7	10	9	8
All Other States/Countries	51	49	53	49	47
Total	1,933	1,961	2,002	2,079	1,828

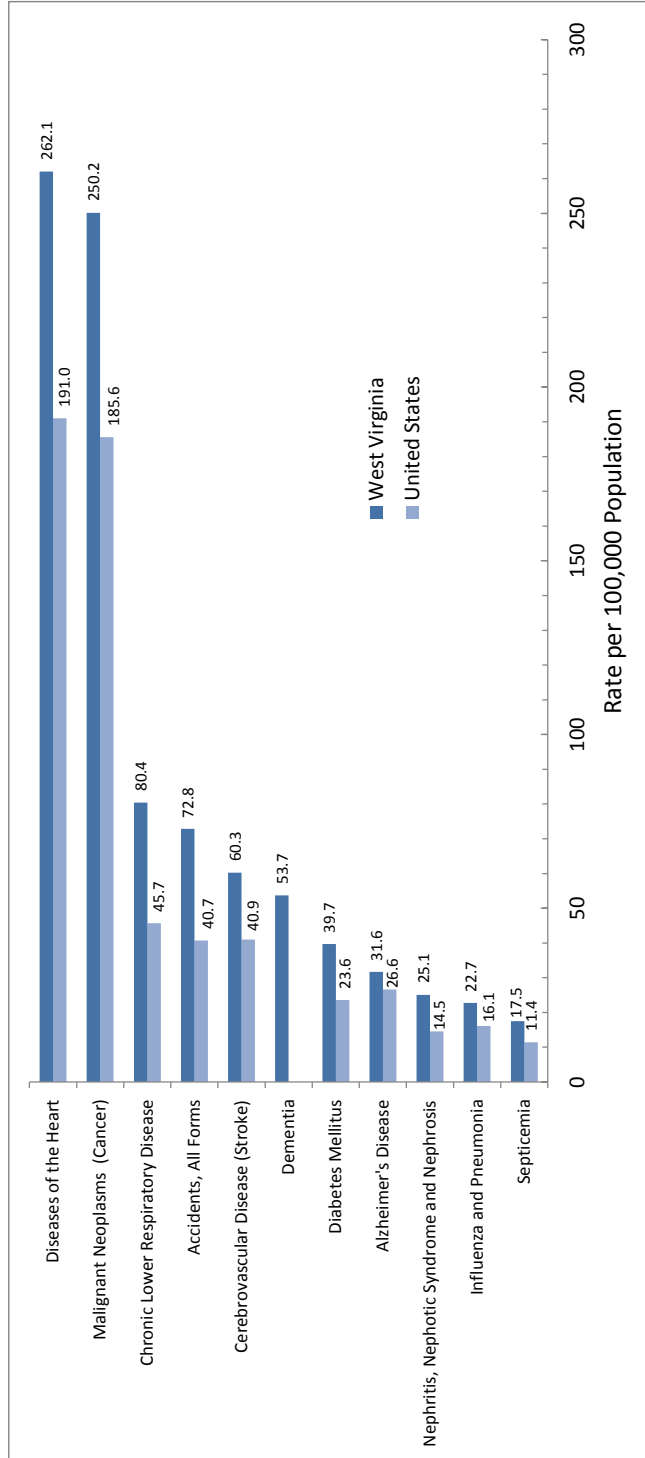
Deaths to Out-of-State Residents  
West Virginia Occurrence Deaths, 2008-2012

Table 19

State of Residence	2008 Deaths	2009 Deaths	2010 Deaths	2011 Deaths	2012 Deaths
Ohio	777	780	775	804	780
Virginia	188	196	206	187	178
Pennsylvania	198	174	188	169	191
Kentucky	187	193	152	178	155
Maryland	134	108	128	136	161
Florida	29	28	40	24	34
North Carolina	10	22	12	24	14
Michigan	9	10	12	11	5
Tennessee	6	7	12	6	9
South Carolina	6	5	10	8	7
New York	9	9	4	7	6
New Jersey	8	7	8	5	5
All Other States/Countries	42	62	37	52	49
Total	1,603	1,601	1,584	1,611	1,594

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2012 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	Number of Deaths	Rate per 100,000 Population
Diseases of the Heart	4,862	262.1	599,711	191.0
Malignant Neoplasms (Cancer)	4,642	250.2	582,623	185.6
Chronic Lower Respiratory Disease	1,492	80.4	143,489	45.7
Accidents, All Forms	1,351	72.8	127,792	40.7
Cerebrovascular Disease (Stroke)	1,118	60.3	128,546	40.9
Dementia	996	53.7	Not Available	Not Available
Diabetes Mellitus	736	39.7	73,932	23.6
Alzheimer's Disease	587	31.6	83,637	26.6
Nephritis, Nephrotic Syndrome and Nephrosis	465	25.1	45,622	14.5
Influenza and Pneumonia	422	22.7	50,636	16.1
Septicemia	324	17.5	35,842	11.4
Total for Leading Causes	16,995	916.0	1,871,830	596.3
All Other Causes (Residual)	4,658	251.1	671,449	213.9
Total for All Causes	21,653	1,167.0	2,543,279	810.2
		100.0%		100.0%

\* National Vital Statistics Reports. Deaths: Preliminary Data for 2012. National Center for Health Statistics.

[http://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63\\_09.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63_09.pdf)

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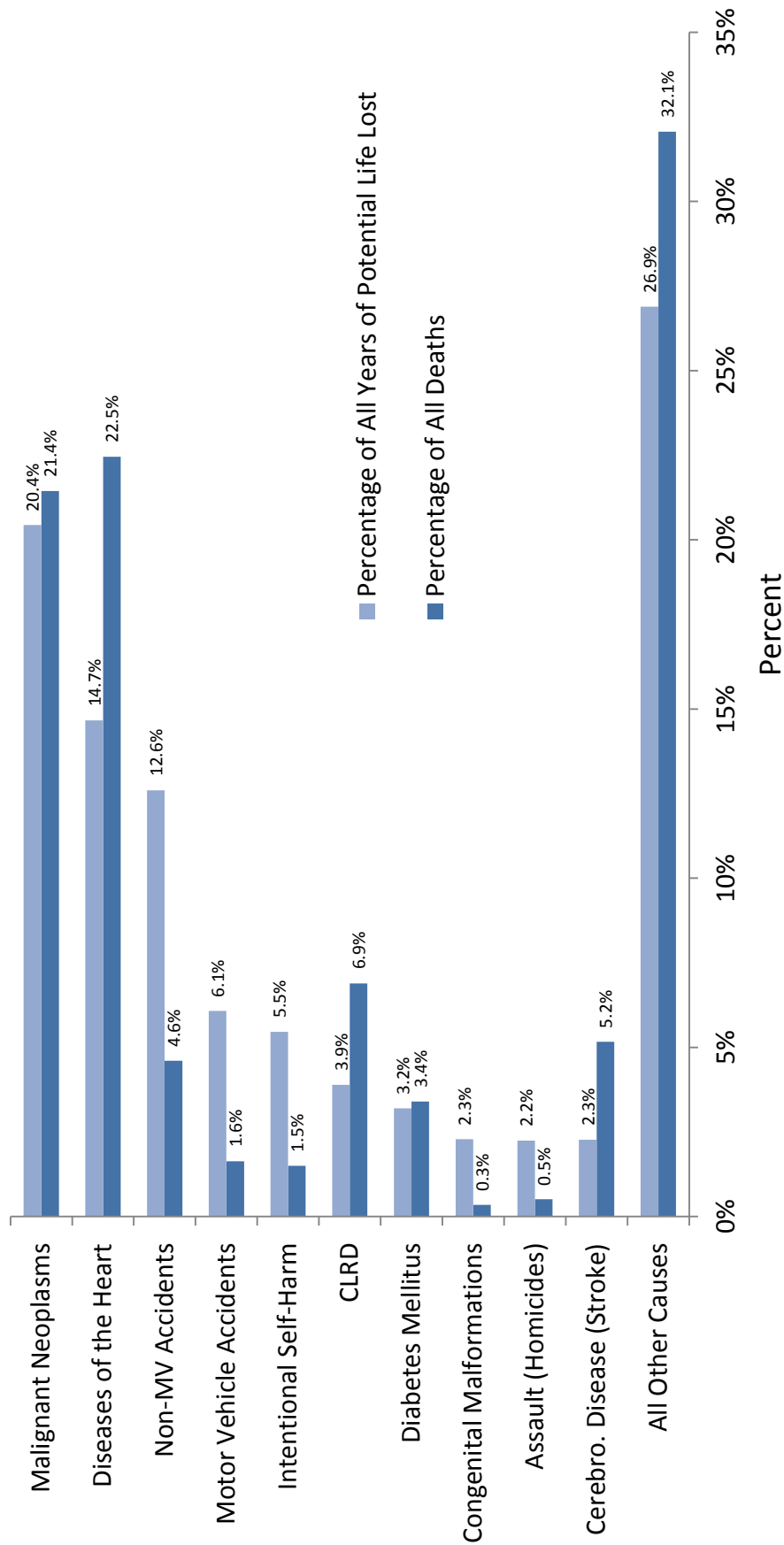


Top Twenty Leading Causes of Years of Potential Life Lost Before Age 75\*  
 Compared to Actual Deaths of All Ages  
 West Virginia Residents, 2011 and 2012  
 Table 20

Cause of Death	Years of Potential Life Lost Before Age 75						Actual Deaths					
	2011			2012			2011			2012		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
All Causes	178,842	100.0%	177,365	100.0%	21,870	100.0%	21,653	100.0%	21,653	100.0%		
Malignant Neoplasms (Cancer)	36,719	20.5%	36,249	20.4%	4,779	21.9%	4,642	21.4%	4,642	21.4%		
Diseases of the Heart	26,321	14.7%	26,005	14.7%	4,921	22.5%	4,862	22.5%	4,862	22.5%		
Non-motor Vehicle Accidents	25,860	14.5%	22,340	12.6%	1,068	4.9%	997	4.6%	997	4.6%		
Motor Vehicle Accidents	11,042	6.2%	10,770	6.1%	377	1.7%	354	1.6%	354	1.6%		
Intentional Self-Harm (Suicides)	8,888	5.0%	9,682	5.5%	309	1.4%	325	1.5%	325	1.5%		
Chronic Lower Respiratory Diseases	6,985	3.9%	6,901	3.9%	1,572	7.2%	1,492	6.9%	1,492	6.9%		
Diabetes Mellitus	5,944	3.3%	5,670	3.2%	792	3.6%	736	3.4%	736	3.4%		
Congenital Malformations	3,889	2.2%	4,057	2.3%	78	0.4%	75	0.3%	75	0.3%		
Assault (Homicides)	4,153	2.3%	3,971	2.2%	107	0.5%	110	0.5%	110	0.5%		
Cerebrovascular Diseases (Stroke)	3,590	2.0%	4,022	2.3%	1,047	4.8%	1,118	5.2%	1,118	5.2%		
Chronic Liver Disease and Cirrhosis	4,381	2.4%	3,749	2.1%	277	1.3%	251	1.2%	251	1.2%		
Infectious and Parasitic Diseases (excluding HIV)	4,487	2.5%	3,372	1.9%	513	2.3%	502	2.3%	502	2.3%		
Injury Undetermined Whether Accidental or Purposely Inflicted	2,187	1.2%	2,939	1.7%	80	0.4%	83	0.4%	83	0.4%		
Nephritis, Nephrotic Syndrome and Nephrosis	2,126	1.2%	2,031	1.1%	444	2.0%	465	2.1%	465	2.1%		
Influenza and Pneumonia	2,666	1.5%	1,819	1.0%	455	2.1%	422	1.9%	422	1.9%		
Alcohol or Drug Psychoses, Dependence or Abuse	1,034	0.6%	1,729	1.0%	52	0.2%	77	0.4%	77	0.4%		
Sudden Infant Death Syndrome	1,788	1.0%	1,490	0.8%	24	0.1%	20	0.1%	20	0.1%		
Disorders Relating to Short Gestation and Unspecified Low Birthweight	1,267	0.7%	1,416	0.8%	17	0.1%	19	0.1%	19	0.1%		
Obesity	1,254	0.7%	1,259	0.7%	72	0.3%	60	0.3%	60	0.3%		
Essential Hypertension and Hypertensive Renal Disease	1,214	0.7%	1,260	0.7%	243	1.1%	253	1.2%	253	1.2%		
All Other Causes (Residual)	23,050	12.9%	26,638	15.0%	4,643	21.2%	4,790	22.1%	4,790	22.1%		

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 \* Top 20 leading causes in 2012.

# Top Ten Causes of Years of Potential Life Lost Before Age 75 Compared to Resident Deaths of All Ages West Virginia Resident Deaths, 2012 Exhibit 12



West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2012

Table 21

Leading Causes of Death	Total, All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	10,888		10,765		21,653	
Diseases of the Heart	2,485	22.8%	2,377	22.1%	4,862	22.5%
Malignant Neoplasms (Cancer)	2,495	22.9%	2,147	19.9%	4,642	21.4%
Chronic Lower Respiratory Disease	716	6.6%	776	7.2%	1,492	6.9%
Accidents, All Forms	865	7.9%	486	4.5%	1,351	6.2%
Cerebrovascular Disease (Stroke)	441	4.1%	677	6.3%	1,118	5.2%
Dementia	285	2.6%	711	6.6%	996	4.6%
Diabetes Mellitus	407	3.7%	329	3.1%	736	3.4%
Alzheimer's Disease	155	1.4%	432	4.0%	587	2.7%
Nephritis, Nephrotic Syndrome and Nephrosis	247	2.3%	218	2.0%	465	2.1%
Influenza and Pneumonia	205	1.9%	217	2.0%	422	1.9%
All Other Causes (Residual)	2,587	23.8%	2,395	22.2%	4,982	23.0%

Leading Causes of Death	Less than One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	87		65		152	
Congenital Malformations	14	16.1%	21	32.3%	35	23.0%
Sudden Infant Death Syndrome	12	13.8%	8	12.3%	20	13.2%
Disorders Relating to Short Gestation/Unspecified LBW	14	16.1%	5	7.7%	19	12.5%
Complications of Placenta, Cord, and Membrane	4	4.6%	8	12.3%	12	7.9%
Maternal Complications of Pregnancy	5	5.7%	2	3.1%	7	4.6%
Neonatal Digestive Disorders	3	3.4%	2	3.1%	5	3.3%
Other Respiratory and Cardiovascular Conditions of the Newborn	3	3.4%	2	3.1%	5	3.3%
Accidents, All Forms	1	1.1%	3	4.6%	4	2.6%
Respiratory Distress Syndrome	3	3.4%	1	1.5%	4	2.6%
Infections Specific to the Perinatal Period	2	2.3%	1	1.5%	3	2.0%
Neonatal Hemorrhage	1	1.1%	2	3.1%	3	2.0%
Diseases of the Heart	1	1.1%	2	3.1%	3	2.0%
Infectious and Parasitic Diseases	1	1.1%	1	1.5%	2	1.3%
Intrauterine Hypoxia and Birth Asphyxia	2	2.3%	0	0.0%	2	1.3%
All Other Causes (Residual)	21	24.1%	7	10.8%	28	18.4%

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	22		17		39	
Accidents, All Forms	5	22.7%	4	23.5%	9	23.1%
Injury Undetermined Whether Accidental or Purposely Inflicted	4	18.2%	4	23.5%	8	20.5%
Assault (Homicides)	3	13.6%	2	11.8%	5	12.8%
Congenital Malformations	2	9.1%	2	11.8%	4	10.3%
Malignant Neoplasms (Cancer)	1	4.5%	1	5.9%	2	5.1%
All Other Causes (Residual)	7	31.8%	4	23.5%	11	28.2%

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2012  
Table 21 (Cont'd)

Leading Causes of Death	Five to Nine Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	10		6		16	
Assault (Homicides)	3	30.0%	1	16.7%	4	25.0%
Accidents, All Forms	2	20.0%	1	16.7%	3	18.8%
Congenital Malformations	1	10.0%	2	33.3%	3	18.8%
Injury Undetermined Whether Accidental or Purposely Inflicted	1	10.0%	1	16.7%	2	12.5%
All Other Causes (Residual)	3	30.0%	1	16.7%	4	25.0%

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	11		10		21	
Accidents, All Forms	6	54.5%	2	20.0%	8	38.1%
Intentional Self-Harm (Suicides)	2	18.2%	1	10.0%	3	14.3%
Diseases of the Heart	0	0.0%	2	20.0%	2	9.5%
Congenital Malformations	0	0.0%	2	20.0%	2	9.5%
All Other Causes (Residual)	3	27.3%	3	30.0%	6	28.6%

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	133		52		185	
Accidents, All Forms	54	40.6%	25	48.1%	79	42.7%
Intentional Self-Harm (Suicides)	34	25.6%	5	9.6%	39	21.1%
Diseases of the Heart	7	5.3%	4	7.7%	11	5.9%
Assault (Homicides)	9	6.8%	1	1.9%	10	5.4%
Injury Undetermined Whether Accidental or Purposely Inflicted	7	5.3%	2	3.8%	9	4.9%
Malignant Neoplasms (Cancer)	4	3.0%	4	7.7%	8	4.3%
Congenital Malformations	3	2.3%	2	3.8%	5	2.7%
Chronic Lower Respiratory Disease	1	0.8%	2	3.8%	3	1.6%
Influenza and Pneumonia	1	0.8%	2	3.8%	3	1.6%
All Other Causes (Residual)	13	9.8%	5	9.6%	18	9.7%

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	293		146		439	
Accidents, All Forms	151	51.5%	54	37.0%	205	46.7%
Intentional Self-Harm (Suicides)	39	13.3%	14	9.6%	53	12.1%
Diseases of the Heart	23	7.8%	9	6.2%	32	7.3%
Malignant Neoplasms (Cancer)	14	4.8%	19	13.0%	33	7.5%
Injury Undetermined Whether Accidental or Purposely Inflicted	8	2.7%	4	2.7%	12	2.7%
Diabetes Mellitus	3	1.0%	4	2.7%	7	1.6%
Influenza and Pneumonia	4	1.4%	1	0.7%	5	1.1%
Obesity	3	1.0%	2	1.4%	5	1.1%
Chronic Lower Respiratory Disease	1	0.3%	2	1.4%	3	0.7%
Cerebrovascular Disease (Stroke)	1	0.3%	1	0.7%	2	0.5%
Chronic Liver Disease and Cirrhosis	1	0.3%	1	0.7%	2	0.5%
All Other Causes (Residual)	45	15.4%	35	24.0%	80	18.2%

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2012  
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	423		268		691	
Accidents, All Forms	165	39.0%	78	29.1%	243	35.2%
Diseases of the Heart	62	14.7%	26	9.7%	88	12.7%
Malignant Neoplasms (Cancer)	30	7.1%	56	20.9%	86	12.4%
Intentional Self-Harm (Suicides)	47	11.1%	12	4.5%	59	8.5%
Assault (Homicides)	15	3.5%	10	3.7%	25	3.6%
Diabetes Mellitus	10	2.4%	8	3.0%	18	2.6%
Chronic Liver Disease and Cirrhosis	10	2.4%	6	2.2%	16	2.3%
Injury Undetermined Whether Accidental or Purposely Inflicted	9	2.1%	7	2.6%	16	2.3%
Obesity	7	1.7%	6	2.2%	13	1.9%
All Other Causes (Residual)	68	16.1%	59	22.0%	127	18.4%

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	976		615		1,591	
Malignant Neoplasms (Cancer)	216	22.1%	169	27.5%	385	24.2%
Diseases of the Heart	209	21.4%	100	16.3%	309	19.4%
Accidents, All Forms	156	16.0%	75	12.2%	231	14.5%
Intentional Self-Harm (Suicides)	52	5.3%	18	2.9%	70	4.4%
Chronic Liver Disease and Cirrhosis	50	5.1%	9	1.5%	59	3.7%
Diabetes Mellitus	32	3.3%	22	3.6%	54	3.4%
Cerebrovascular Disease (Stroke)	28	2.9%	25	4.1%	53	3.3%
Chronic Lower Respiratory Disease	19	1.9%	31	5.0%	50	3.1%
Assault (Homicides)	18	1.8%	6	1.0%	24	1.5%
Nephritis, Nephrotic Syndrome and Nephrosis	11	1.1%	9	1.5%	20	1.3%
All Other Causes (Residual)	185	19.0%	151	24.6%	336	21.1%

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,817		1,209		3,026	
Malignant Neoplasms (Cancer)	558	30.7%	425	35.2%	983	32.5%
Diseases of the Heart	373	20.5%	190	15.7%	563	18.6%
Chronic Lower Respiratory Disease	111	6.1%	104	8.6%	215	7.1%
Accidents, All Forms	121	6.7%	53	4.4%	174	5.8%
Diabetes Mellitus	105	5.8%	50	4.1%	155	5.1%
Chronic Liver Disease and Cirrhosis	65	3.6%	22	1.8%	87	2.9%
Cerebrovascular Disease (Stroke)	47	2.6%	39	3.2%	86	2.8%
Intentional Self-Harm (Suicides)	40	2.2%	18	1.5%	58	1.9%
Nephritis, Nephrotic Syndrome and Nephrosis	34	1.9%	20	1.7%	54	1.8%
Essential Hypertension and Hypertensive Renal Disease	27	1.5%	10	0.8%	37	1.2%
All Other Causes (Residual)	336	18.5%	278	23.0%	614	20.3%

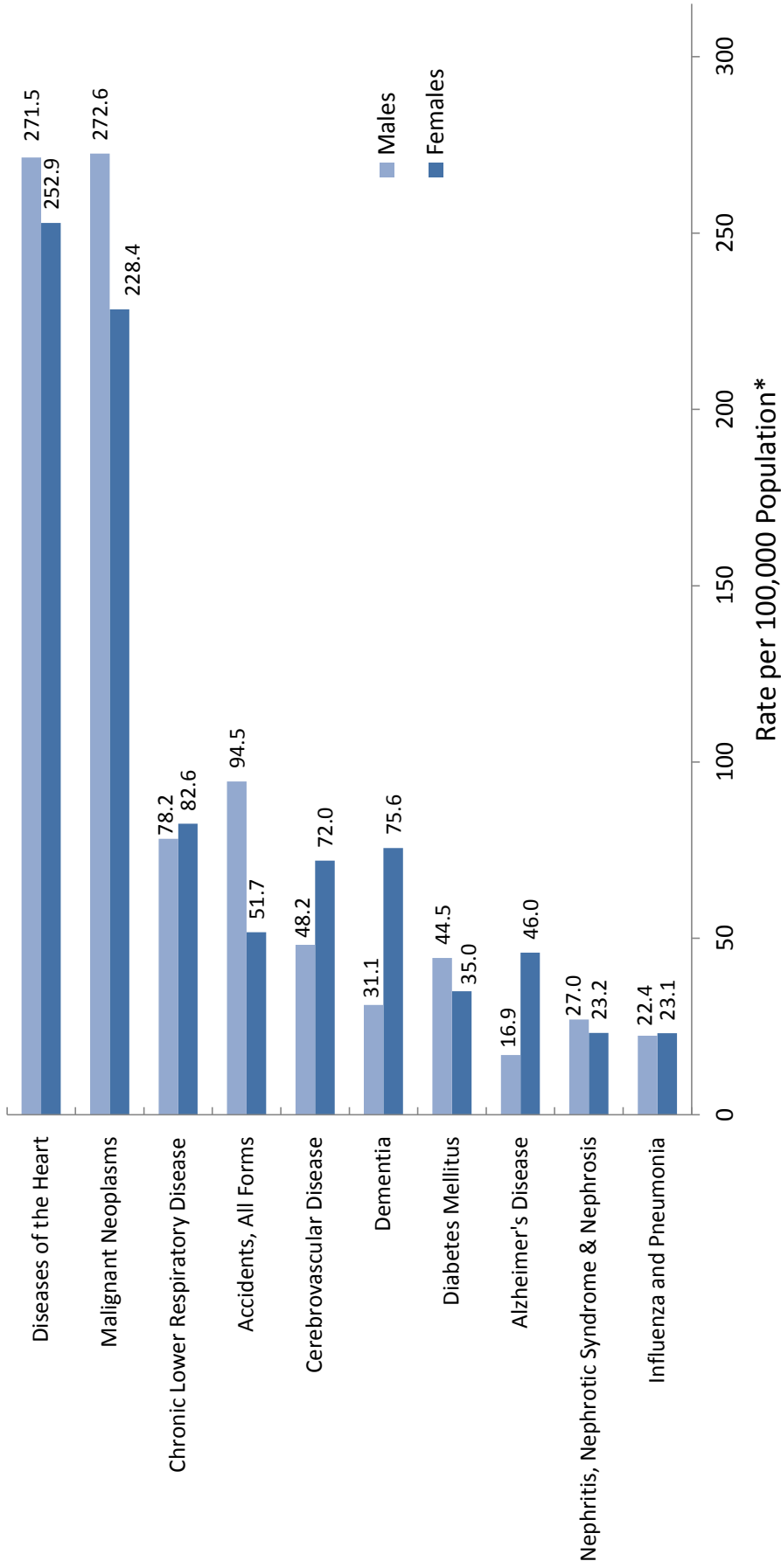
Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2012  
Table 21 (Cont'd)

Leading Causes of Death	Sixty-Five to Seventy-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,328		1,729		4,057	
Malignant Neoplasms (Cancer)	743	31.9%	554	32.0%	1,297	32.0%
Diseases of the Heart	524	22.5%	299	17.3%	823	20.3%
Chronic Lower Respiratory Disease	188	8.1%	198	11.5%	386	9.5%
Cerebrovascular Disease (Stroke)	96	4.1%	87	5.0%	183	4.5%
Diabetes Mellitus	101	4.3%	81	4.7%	182	4.5%
Accidents, All Forms	67	2.9%	38	2.2%	105	2.6%
Nephritis, Nephrotic Syndrome and Nephrosis	47	2.0%	45	2.6%	92	2.3%
Septicemia	39	1.7%	37	2.1%	76	1.9%
Dementia	27	1.2%	38	2.2%	65	1.6%
Chronic Liver Disease and Cirrhosis	32	1.4%	17	1.0%	49	1.2%
All Other Causes (Residual)	464	19.9%	335	19.4%	799	19.7%

Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,747		2,837		5,584	
Diseases of the Heart	701	25.5%	645	22.7%	1,346	24.1%
Malignant Neoplasms (Cancer)	639	23.3%	558	19.7%	1,197	21.4%
Chronic Lower Respiratory Disease	243	8.8%	236	8.3%	479	8.6%
Cerebrovascular Disease (Stroke)	145	5.3%	215	7.6%	360	6.4%
Dementia	93	3.4%	196	6.9%	289	5.2%
Diabetes Mellitus	98	3.6%	87	3.1%	185	3.3%
Alzheimer's Disease	55	2.0%	130	4.6%	185	3.3%
Nephritis, Nephrotic Syndrome and Nephrosis	92	3.3%	70	2.5%	162	2.9%
Accidents, All Forms	74	2.7%	67	2.4%	141	2.5%
Influenza and Pneumonia	69	2.5%	56	2.0%	125	2.2%
All Other Causes (Residual)	538	19.6%	577	20.3%	1,115	20.0%

Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,040		3,810		5,850	
Diseases of the Heart	584	28.6%	1,100	28.9%	1,684	28.8%
Malignant Neoplasms (Cancer)	288	14.1%	361	9.5%	649	11.1%
Dementia	161	7.9%	470	12.3%	631	10.8%
Cerebrovascular Disease (Stroke)	119	5.8%	306	8.0%	425	7.3%
Alzheimer's Disease	91	4.5%	273	7.2%	364	6.2%
Chronic Lower Respiratory Disease	152	7.5%	197	5.2%	349	6.0%
Influenza and Pneumonia	68	3.3%	106	2.8%	174	3.0%
Accidents, All Forms	62	3.0%	86	2.3%	148	2.5%
Diabetes Mellitus	58	2.8%	76	2.0%	134	2.3%
Nephritis, Nephrotic Syndrome and Nephrosis	59	2.9%	71	1.9%	130	2.2%
Essential Hypertension and Hypertensive Renal Disease	18	0.9%	71	1.9%	89	1.5%
All Other Causes (Residual)	380	18.6%	693	18.2%	1,073	18.3%

## 2012 Ten Leading Causes of Death by Gender West Virginia Resident Death Rates\* Exhibit 13



\*Using 2012 estimated Census data for WV  
Males = 915,405; Females = 940,008

Types of Firearm Injury Deaths by Age Group and Gender  
West Virginia Residents, 2012  
Table 22

	Age in Years									Total
	0-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	
<b>Total</b>										
Accidental	1	0	0	0	0	0	1	0	0	2
Intentional Self-Harm (Suicide)	0	1	7	15	24	31	45	37	37	197
Assault (Homicide)	6	1	1	6	18	20	13	1	5	71
Legal Intervention	0	0	0	1	1	0	2	0	0	4
Undetermined	0	0	0	1	1	1	0	0	0	3
<b>Total</b>	<b>7</b>	<b>2</b>	<b>8</b>	<b>23</b>	<b>44</b>	<b>52</b>	<b>61</b>	<b>38</b>	<b>42</b>	<b>277</b>
<b>Male</b>										
Accidental	0	0	0	0	0	0	1	0	0	1
Intentional Self-Harm (Suicide)	0	1	6	15	18	26	36	29	36	167
Assault (Homicide)	3	1	1	5	15	14	9	0	4	52
Legal Intervention	0	0	0	1	1	0	1	0	0	3
Undetermined	0	0	0	1	1	1	0	0	0	3
<b>Total</b>	<b>3</b>	<b>2</b>	<b>7</b>	<b>22</b>	<b>35</b>	<b>41</b>	<b>47</b>	<b>29</b>	<b>40</b>	<b>226</b>
<b>Female</b>										
Accidental	1	0	0	0	0	0	0	0	0	1
Intentional Self-Harm (Suicide)	0	0	1	0	6	5	9	8	1	30
Assault (Homicide)	3	0	0	1	3	6	4	1	1	19
Legal Intervention	0	0	0	0	0	0	1	0	0	1
Undetermined	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>11</b>	<b>14</b>	<b>9</b>	<b>2</b>	<b>51</b>

Non-Transport Accidental Injury Deaths  
Place Where Injury Occurred  
West Virginia Residents, 2012  
Table 23

Place of Injury	Male	Female	Total
Home	274	190	464
Farm	0	1	1
Mine and Quarry	5	0	5
Industrial Places	3	0	3
Public Building	1	0	1
Recreational Places	1	0	1
Resident Institution	0	0	0
Street and Highway	0	0	0
Other Specified Places	222	125	347
Unspecified Places	28	20	48
<b>Total</b>	<b>534</b>	<b>336</b>	<b>870</b>



**Causes of Resident Deaths: Number and Rate**  
**West Virginia, 2012**  
**Table 24**

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99*	Total Deaths, All Causes	21,653	11.7
A00-B99	Certain Infectious and Parasitic Diseases	516	27.8
A00-A09	Intestinal Infectious Diseases	79	4.3
A04	Other Bacterial Intestinal Infections	58	3.1
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	21	1.1
A15-A19	Tuberculosis	1	0.1
A16	Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically	1	0.1
A30-A49	Other Bacterial Diseases	348	18.8
A31	Infection due to Other Mycobacteria	4	0.2
A40	Streptococcal Septicemia	6	0.3
A41	Other Septicemia	318	17.1
A48	Other Bacterial Diseases, Not Elsewhere Classified	4	0.2
A49	Bacterial Infection of Unspecified Site	16	0.9
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	3	0.2
B00	Herpesviral [Herpes Simplex] Infection	1	0.1
B02	Zoster [Herpes Zoster]	2	0.1
B15-B19	Viral Hepatitis	51	2.7
B16	Acute Hepatitis B	3	0.2
B18	Chronic Viral Hepatitis	47	2.5
B19	Unspecified Viral Hepatitis	1	0.1
B20-B24	Human Immunodeficiency Virus [HIV] Disease	14	0.8
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	4	0.2
B21	Human Immunodeficiency Virus [HIV] Disease Resulting in Malignant Neoplasms	3	0.2
B22	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Specified Diseases	1	0.1
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	5	0.3
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	1	0.1
B25-B34	Other Viral Diseases	1	0.1
B34	Viral Infection of Unspecified Site	1	0.1
B35-B49	Mycoses	4	0.2
B37	Candidiasis	4	0.2
B50-B64	Protozoal Diseases	1	0.1
B59	Pneumocystosis	1	0.1
B65-B83	Helminthiases	1	0.1
B78	Strongyloidiasis	1	0.1
B90-B94	Sequelae of Infectious and Parasitic Diseases	4	0.2
B91	Sequelae of Poliomyelitis	2	0.1
B94	Sequelae of Other and Unspecified Infectious and Parasitic Diseases	2	0.1
B99	Other Infectious Diseases	4	0.2
B99	Other and Unspecified Infectious Diseases	4	0.2
C00-D48	Neoplasms	4,766	256.9
C00-C97	Malignant Neoplasms	4,642	250.2
C00	Malignant Neoplasm of Lip	1	0.1
C01	Malignant Neoplasm of Base of Tongue	2	0.1
C02	Malignant Neoplasm of Other and Unspecified Parts of Tongue	9	0.5
C03	Malignant Neoplasm of Gum	1	0.1
C04	Malignant Neoplasm of Floor of Mouth	2	0.1
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	16	0.9
C07	Malignant Neoplasm of Parotid Gland	4	0.2
C08	Malignant Neoplasm of Other and Unspecified Major Salivary Glands	3	0.2
C09	Malignant Neoplasm of Tonsil	5	0.3
C10	Malignant Neoplasm of Oropharynx	4	0.2
C11	Malignant Neoplasm of Nasopharynx	7	0.4
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	26	1.4
C15-C26	Malignant Neoplasms of Digestive Organs	1,062	57.2
C15	Malignant Neoplasm of Esophagus	120	6.5
C16	Malignant Neoplasm of Stomach	79	4.3
C17	Malignant Neoplasm of Small Intestine	5	0.3
C18	Malignant Neoplasm of Colon	349	18.8
C19	Malignant Neoplasm of Rectosigmoid Junction	12	0.6

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

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Causes of Resident Deaths: Number and Rate  
West Virginia, 2012  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C20	Malignant Neoplasm of Rectum	49	2.6
C21	Malignant Neoplasm of Anus and Anal Canal	7	0.4
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	116	6.3
C23	Malignant Neoplasm of Gallbladder	11	0.6
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	19	1.0
C25	Malignant Neoplasm of Pancreas	290	15.6
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	5	0.3
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,534	82.7
C31	Malignant Neoplasm of Accessory Sinuses	7	0.4
C32	Malignant Neoplasm of Larynx	53	2.9
C34	Malignant Neoplasm of Bronchus and Lung	1,468	79.1
C37	Malignant Neoplasm of Thymus	1	0.1
C38	Malignant Neoplasm of Heart, Mediastinum and Pleura	4	0.2
C39	Malignant Neoplasm of Other and Ill-Defined Sites in the Respiratory System and Intrathoracic Organs	1	0.1
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	8	0.4
C41	Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites	8	0.4
C43-C44	Melanoma and Other Malignant Neoplasms of Skin	112	6.0
C43	Malignant Neoplasm of Skin	81	4.4
C44	Other Malignant Neoplasms of Skin	31	1.7
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	59	3.2
C45	Mesothelioma	20	1.1
C47	Malignant Neoplasm of Peripheral Nerves and Autonomic Nervous System	1	0.1
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	4	0.2
C49	Malignant Neoplasm of Other Connective and Soft Tissue	34	1.8
C50	Malignant Neoplasm of Breast	296	16.0
C50	Malignant Neoplasm of Breast	296	16.0
C51-C58	Malignant Neoplasms of Female Genital Organs	201	10.8
C51	Malignant Neoplasm of Vulva	7	0.4
C52	Malignant Neoplasm of Vagina	3	0.2
C53	Malignant Neoplasm of Cervix Uteri	37	2.0
C54	Malignant Neoplasm of Corpus Uteri	27	1.5
C55	Malignant Neoplasm of Uterus, Part Unspecified	27	1.5
C56	Malignant Neoplasm of Ovary	98	5.3
C57	Malignant Neoplasm of Other and Unspecified Female Genital Organs	2	0.1
C60-C63	Malignant Neoplasms of Male Genital Organs	164	8.8
C60	Malignant Neoplasm of Penis	3	0.2
C61	Malignant Neoplasm of Prostate	158	8.5
C62	Malignant Neoplasm of Testis	2	0.1
C63	Malignant Neoplasm of Other and Unspecified Male Genital Organs	1	0.1
C64-C68	Malignant Neoplasms of Urinary Tract	200	10.8
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	86	4.6
C65	Malignant Neoplasm of Renal Pelvis	2	0.1
C66	Malignant Neoplasm of Ureter	2	0.1
C67	Malignant Neoplasm of Bladder	107	5.8
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	3	0.2
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	116	6.3
C69	Malignant Neoplasm of Eye and Adnexa	1	0.1
C71	Malignant Neoplasm of Brain	115	6.2
C73-C75	Malignant Neoplasms of Other Endocrine Glands	16	0.9
C73	Malignant Neoplasm of Thyroid Gland	13	0.7
C74	Malignant Neoplasm of Adrenal Gland	1	0.1
C75	Malignant Neoplasm of Other Endocrine Glands and Related Structures	2	0.1
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	328	17.7
C76	Malignant Neoplasm of Other and Ill-Defined Sites	13	0.7
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	17	0.9
C79	Secondary Malignant Neoplasm of Other Sites	39	2.1
C80	Malignant Neoplasm without Specification of Site	259	14.0
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	406	21.9
C81	Hodgkin's Disease	9	0.5
C82	Follicular [Nodular] Non-Hodgkin's Lymphoma	5	0.3

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

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

**Causes of Resident Deaths: Number and Rate**  
**West Virginia, 2012**  
**Table 24 (Cont'd)**

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C83	Diffuse Non-Hodgkin's Lymphoma	18	1.0
C84	Peripheral and Cutaneous T-Cell Lymphoma	4	0.2
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	127	6.8
C88	Malignant Immunoproliferative Diseases	3	0.2
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	74	4.0
C91	Lymphoid Leukemia	46	2.5
C92	Myeloid Leukemia	63	3.4
C93	Monocytic Leukemia	3	0.2
C95	Leukemia of Unspecified Cell Type	54	2.9
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	60	3.2
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	60	3.2
D10-D36	Benign Neoplasms	13	0.7
D11	Benign Neoplasm of Major Salivary Glands	1	0.1
D17	Benign Lipomatous Neoplasm	1	0.1
D23	Other Benign Neoplasm of Skin	1	0.1
D32	Benign Neoplasm of Meninges	9	0.5
D33	Benign Neoplasm of Brain and Other Parts of Central Nervous System	1	0.1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	111	6.0
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	4	0.2
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	11	0.6
D40	Neoplasm of Uncertain or Unknown Behavior of Male Genital Organs	1	0.1
D41	Neoplasm of Uncertain or Unknown Behavior of Urinary Organs	1	0.1
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	21	1.1
D44	Neoplasm of Uncertain or Unknown Behavior of Endocrine Glands	1	0.1
D45	Polycythemia Vera	2	0.1
D46	Myelodysplastic Syndromes	52	2.8
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	9	0.5
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	9	0.5
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	93	5.0
D50-D53	Nutritional Anemias	3	0.2
D50	Iron Deficiency Anemia	3	0.2
D55-D59	Hemolytic Anemias	2	0.1
D57	Sickle-Cell Disorders	2	0.1
D60-D64	Aplastic and Other Anemias	52	2.8
D61	Other Aplastic Anemias	10	0.5
D62	Acute Posthemorrhagic Anemia	2	0.1
D64	Other Anemias	40	2.2
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	24	1.3
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	4	0.2
D66	Hereditary Factor VIII Deficiency	1	0.1
D68	Other Coagulation Defects	10	0.5
D69	Purpura and Other Hemorrhagic Conditions	9	0.5
D70-D77	Other Diseases of Blood and Blood-forming Organs	4	0.2
D70	Agranulocytosis	2	0.1
D75	Other Diseases of Blood and-Blood forming Organs	1	0.1
D76	Certain Diseases Involving Lymphoreticular Tissue and Reticulohistiocytic System	1	0.1
D80-D89	Certain Disorders Involving the Immune Mechanism	8	0.4
D84	Other Immunodeficiencies	1	0.1
D86	Sarcoidosis	6	0.3
D89	Other Disorders Involving the Immune Mechanism, Not Elsewhere Classified	1	0.1
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,071	57.7
E00-E07	Disorders of Thyroid Gland	26	1.4
E03	Other Hypothyroidism	26	1.4
E10-E14	Diabetes Mellitus	736	39.7
E10	Insulin-Dependent Diabetes Mellitus	50	2.7
E11	Non-Insulin-Dependent Diabetes Mellitus	208	11.2
E14	Unspecified Diabetes Mellitus	478	25.8
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	2	0.1
E16	Other Disorders of Pancreatic Internal Secretion	2	0.1
E20-E35	Disorders of Other Endocrine Glands	5	0.3

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Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
E23	Hyperfunction and Other Disorders of Pituitary Gland	1	0.1
E27	Other Disorders of Adrenal Gland	4	0.2
E40-E46	Malnutrition	16	0.9
E43	Unspecified Severe Protein-Energy Malnutrition	4	0.2
E45	Retarded Development Following Protein-Energy Malnutrition	1	0.1
E46	Unspecified Protein-Energy Malnutrition	11	0.6
E50-E64	Other Nutritional Deficiencies	2	0.1
E53	Deficiency of Other B Group Vitamins	2	0.1
E65-E68	Obesity and Other Hyperalimentation	60	3.2
E66	Obesity	60	3.2
E70-E90	Metabolic Disorders	224	12.1
E72	Other Disorders of Amino-Acid Metabolism	2	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
E78	Disorders of Lipoprotein Metabolism and Other Lipidemias	109	5.9
E83	Disorders of Mineral Metabolism	4	0.2
E84	Cystic Fibrosis	5	0.3
E85	Amyloidosis	6	0.3
E86	Volume Depletion	29	1.6
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	56	3.0
E88	Other Metabolic Disorders	10	0.5
F00-F99	Mental and Behavioral Disorders	1,106	59.6
F00-F09	Organic, Including Symptomatic, Mental Disorders	1,006	54.2
F01	Vascular Dementia	68	3.7
F03	Unspecified Dementia	928	50.0
F05	Delirium, Not Induced by Alcohol and Other Psychoactive Substances	2	0.1
F06	Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease	7	0.4
F07	Personality and Behavioral Disorders due to Brain Disease, Damage and Dysfunction	1	0.1
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	77	4.2
F10	Mental and Behavioral Disorders due to Use of Alcohol	57	3.1
F13	Mental and Behavioral Disorders due to Use of Sedatives or Hypnotics	1	0.1
F17	Mental and Behavioral Disorders due to Use of Tobacco	4	0.2
F19	Mental and Behavioral Disorders due to Multiple Drug Use and Use of Other Psychoactive Substances	15	0.8
F20-F29	Schizophrenia, Schizotypal and Delusional Disorders	5	0.3
F20	Schizophrenia	4	0.2
F25	Schizoaffective Disorders	1	0.1
F30-F39	Mood [Affective] Disorders	6	0.3
F31	Bipolar Affective Disorder	1	0.1
F32	Depressive Episode	5	0.3
F40-F48	Neurotic, Stress-Related and Somatoform Disorders	3	0.2
F41	Other Anxiety Disorders	1	0.1
F43	Reaction to Severe Stress, and Adjustment Disorders	2	0.1
F50-F59	Behavioral Syndromes Associated with Physiological Disturbances and Physical Factors	3	0.2
F50	Eating Disorders	1	0.1
F54	Psychological and Behavioral Factors Associated with Disorders or Diseases Classified Elsewhere	2	0.1
F70-F79	Mental Retardation	5	0.3
F72	Severe Mental Retardation	2	0.1
F79	Unspecified Mental Retardation	3	0.2
F80-F89	Disorders of Psychological Development	1	0.1
F84	Pervasive Developmental Disorders	1	0.1
G00-G99	Diseases of the Nervous System	1,031	55.6
G00-G09	Inflammatory Diseases of the Central Nervous System	10	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	4	0.2
G06	Intracranial and Intraspinous Abscess and Granuloma	1	0.1
G09	Sequelae of Inflammatory Diseases of Central Nervous System	1	0.1
G10-G14	Systemic Atrophies Primarily Affecting the Central Nervous System	54	2.9
G10	Huntington's Disease	8	0.4
G11	Hereditary Ataxia	1	0.1

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
G12	Spinal Muscular Atrophy and Related Syndromes	44	2.4
G14	Postpolio Syndrome	1	0.1
G20-G26	Extrapyramidal and Movement Disorders	180	9.7
G20	Parkinson's Disease	176	9.5
G21	Secondary Parkinsonism	3	0.2
G23	Other Degenerative Diseases of Basal Ganglia	1	0.1
G30-G32	Other Degenerative Diseases of the Nervous System	601	32.4
G30	Alzheimer's Disease	587	31.6
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	14	0.8
G35-G37	Demyelinating Diseases of the Central Nervous System	27	1.5
G35	Multiple Sclerosis	26	1.4
G37	Other Demyelinating	1	0.1
G40-G47	Episodic and Paroxysmal Disorders	29	1.6
G40	Epilepsy	9	0.5
G41	Status Epilepticus	7	0.4
G45	Transient Cerebral Ischemic Attacks and Related Syndromes	5	0.3
G47	Sleep Disorders	8	0.4
G60-G64	Polyneuropathies and Other Disorders of the Peripheral Nervous System	5	0.3
G60	Hereditary and Idiopathic Neuropathy	2	0.1
G61	Inflammatory Polyneuropathy	1	0.1
G62	Other Polyneuropathies	2	0.1
G70-G73	Diseases of Myoneural Junction and Muscle	15	0.8
G70	Myasthenia Gravis and Other Myoneural Disorders	6	0.3
G71	Primary Disorders of Muscles	9	0.5
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	30	1.6
G80	Infantile Cerebral Palsy	23	1.2
G82	Paraplegia and Tetraplegia	6	0.3
G83	Other Paralytic Syndromes	1	0.1
G90-G99	Other Disorders of the Nervous System	80	4.3
G91	Hydrocephalus	1	0.1
G92	Toxic Encephalopathy	1	0.1
G93	Other Disorders of Brain	71	3.8
G95	Other Diseases of Spinal Cord	6	0.3
H00-H59	Other Disorders of Nervous System, Not Elsewhere Classified	1	0.1
H00-H59	Diseases of the Eye and Adnexa	2	0.1
H43-H45	Disorders of Vitreous Body and Globe	1	0.1
H44	Disorders of Globe	1	0.1
H53-H54	Visual Disturbances and Blindness	1	0.1
H54	Blindness and Low Vision	1	0.1
I00-I99	Diseases of the Circulatory System	6,488	349.7
I00-I09, I11, I13, I20-I51	Diseases of the Heart	4,862	262.0
I05-I09	Chronic Rheumatic Heart Diseases	19	1.0
I05	Rheumatic Mitral Valve Diseases	8	0.4
I06	Rheumatic Aortic Valve Diseases	1	0.1
I07	Rheumatic Tricuspid Valve Diseases	3	0.2
I08	Multiple Valve Diseases	7	0.4
I10-I15	Hypertensive Diseases	403	21.7
I10	Essential (Primary) Hypertension	182	9.8
I11	Hypertensive Heart Disease	123	6.6
I12	Hypertensive Renal Disease	71	3.8
I13	Hypertensive Heart and Renal Disease	27	1.5
I20-I25	Ischemic Heart Diseases	3,066	165.2
I20	Angina Pectoris	2	0.1
I21	Acute Myocardial Infarction	952	51.3
I22	Subsequent Myocardial Infarction	3	0.2
I24	Other Acute Ischemic Heart Diseases	18	1.0
I25	Chronic Ischemic Heart Disease	2,091	112.7
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	107	5.8

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
I26	Pulmonary Embolism	61	3.3
I27	Other Pulmonary Heart Diseases	45	2.4
I28	Other Diseases of Pulmonary Vessels	1	0.1
I30-I52	Other forms of Heart Diseases	1,520	81.9
I31	Other Diseases of Pericardium	3	0.2
I33	Acute and Subacute Endocarditis	13	0.7
I34	Nonrheumatic Mitral Valve Disorders	6	0.3
I35	Nonrheumatic Aortic Valve Disorders	99	5.3
I38	Endocarditis, Valve Unspecified	40	2.2
I40	Acute Myocarditis	6	0.3
I42	Cardiomyopathy	126	6.8
I44	Atrioventricular and Left Bundle-Branch Block	2	0.1
I45	Other Conduction Disorders	6	0.3
I46	Cardiac Arrest	265	14.3
I47	Paroxysmal Tachycardia	5	0.3
I48	Atrial Fibrillation and Flutter	163	8.8
I49	Other Cardiac Arrhythmias	66	3.6
I50	Heart Failure	605	32.6
I51	Complications and Ill-Defined Descriptions of Heart Disease	115	6.2
I60-I69	Cerebrovascular Diseases	1,118	60.3
I60	Subarachnoid Hemorrhage	41	2.2
I61	Intracerebral Hemorrhage	129	7.0
I62	Other Nontraumatic Intracranial Hemorrhage	96	5.2
I63	Cerebral Infarction	56	3.0
I64	Stroke, Not Specified as Hemorrhage or Infarction	655	35.3
I67	Other Cerebrovascular Diseases	58	3.1
I69	Sequelae of Cerebrovascular Disease	83	4.5
I70-I79	Diseases of Arteries, Arterioles and Capillaries	210	11.3
I70	Atherosclerosis	61	3.3
I71	Aortic Aneurysm and Dissection	71	3.8
I72	Other Aneurysm	7	0.4
I73	Other Peripheral Vascular Diseases	53	2.9
I74	Arterial Embolism and Thrombosis	7	0.4
I77	Other Disorders of Arteries and Arterioles	11	0.6
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	37	2.0
I80	Phlebitis and Thrombophlebitis	29	1.6
I82	Other Venous Embolism and Thrombosis	2	0.1
I83	Varicose Veins of Lower Extremities	2	0.1
I85	Esophageal Varices	2	0.1
I87	Other Disorders of Veins	2	0.1
I95-I99	Other and Unspecified Disorders of the Circulatory System	8	0.4
I95	Hypotension	3	0.2
I99	Other and Unspecified Disorders of Circulatory System	5	0.3
J00-J99	Diseases of the Respiratory System	2,418	130.3
J00-J06	Acute Upper Respiratory Infections	1	0.1
J02	Acute Pharyngitis	1	0.1
J09-J18	Influenza and Pneumonia	422	22.7
J10	Influenza due to Identified Influenza Virus	3	0.2
J11	Influenza, Virus Not Identified	6	0.3
J12	Viral Pneumonia, Not Elsewhere Classified	1	0.1
J13	Pneumonia due to Streptococcus Pneumoniae	2	0.1
J15	Bacterial Pneumonia, Not Elsewhere Classified	16	0.9
J18	Pneumonia, Organism Unspecified	394	21.2
J30-J39	Other Diseases of Upper Respiratory Tract	3	0.2
J32	Chronic Sinusitis	1	0.1
J38	Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	1	0.1
J39	Other Diseases of Upper Respiratory Tract	1	0.1
J40-J47	Chronic Lower Respiratory Diseases	1,492	80.4
J40	Bronchitis, Not Specified as Acute or Chronic	3	0.2
J43	Emphysema	62	3.3
J44	Other Chronic Obstructive Pulmonary Disease	1,407	75.8

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Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
J45	Asthma	18	1.0
J47	Bronchiectasis	2	0.1
J60-J70	Lung Diseases due to External Agents	185	10.0
J60	Coalworker's Pneumoconiosis	30	1.6
J61	Pneumoconiosis due to Asbestos and Other Mineral Fibers	10	0.5
J62	Pneumoconiosis due to Dust Containing Silica	3	0.2
J64	Unspecified Pneumoconiosis	16	0.9
J67	Hypersensitivity Pneumonitis due to Organic Dust	1	0.1
J69	Pneumonitis due to Solids and Liquids	125	6.7
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	161	8.7
J80	Adult Respiratory Distress Syndrome	17	0.9
J81	Pulmonary Edema	4	0.2
J82	Pulmonary Eosinophilia, Not Elsewhere Classified	2	0.1
J84	Other Interstitial Pulmonary Diseases	138	7.4
J85-J86	Suppurative and Necrotic Conditions of Lower Respiratory Tract	5	0.3
J85	Abscess of Lung and Mediastinum	3	0.2
J86	Pyothorax	2	0.1
J90-J94	Other Diseases of Pleura	15	0.8
J90	Pleural Effusion, Not Elsewhere Classified	11	0.6
J93	Pneumothorax	2	0.1
J94	Other Pleural Conditions	2	0.1
J95-J99	Other Diseases of the Respiratory System	134	7.2
J96	Respiratory Failure, Not Elsewhere Classified	90	4.9
J98	Other Respiratory Disorders	44	2.4
K00-K93	Diseases of the Digestive System	804	43.3
K00-K14	Diseases of Oral Cavity, Salivary Glands and Jaws	1	0.1
K05	Gingivitis and Periodontal Diseases	1	0.1
K20-K31	Diseases of Esophagus, Stomach and Duodenum	49	2.6
K21	Gastro-esophageal Reflux Disease	8	0.4
K22	Other Diseases of Esophagus	13	0.7
K25	Gastric Ulcer	6	0.3
K26	Duodenal Ulcer	11	0.6
K27	Peptic Ulcer, Site Unspecified	4	0.2
K29	Gastritis and Duodenitis	1	0.1
K31	Other Diseases of Stomach and Duodenum	6	0.3
K35-K38	Diseases of Appendix	3	0.2
K37	Unspecified Appendicitis	3	0.2
K40-K46	Hernia	15	0.8
K40	Inguinal Hernia	1	0.1
K42	Umbilical Hernia	1	0.1
K43	Ventral Hernia	2	0.1
K44	Diaphragmatic Hernia	6	0.3
K46	Unspecified Abdominal Hernia	5	0.3
K50-K52	Noninfective Enteritis and Colitis	12	0.6
K50	Crohn's Disease [Regional Enteritis]	7	0.4
K51	Ulcerative Colitis	4	0.2
K52	Other Noninfective Gastroenteritis and Colitis	1	0.1
K55-K63	Other Diseases of Intestines	180	9.7
K55	Vascular Disorders of Intestine	86	4.6
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	44	2.4
K57	Diverticular Disease of Intestine	18	1.0
K59	Other Functional Intestinal Disorders	4	0.2
K61	Abscess of Anal and Rectal Regions	1	0.1
K62	Other Diseases of Anus and Rectum	2	0.1
K63	Other Diseases of Intestine	25	1.3
K65-K67	Diseases of Peritoneum	17	0.9
K65	Peritonitis	14	0.8
K66	Other Disorders of Peritoneum	3	0.2
K70-K77	Diseases of Liver	383	20.6
K70	Alcoholic Liver Disease	88	4.7
K72	Hepatic Failure, Not Elsewhere Classified	47	2.5

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Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
K74	Fibrosis and Cirrhosis of Liver	163	8.8
K75	Other Inflammatory Liver Diseases	3	0.2
K76	Other Diseases of Liver	82	4.4
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	67	3.6
K80	Cholelithiasis	5	0.3
K81	Cholecystitis	10	0.5
K82	Other Diseases of Gallbladder	5	0.3
K83	Other Diseases of Biliary Tract	13	0.7
K85	Acute Pancreatitis	24	1.3
K86	Other Diseases of Pancreas	10	0.5
K90-K93	Other Diseases of the Digestive System	77	4.2
K90	Intestinal Malabsorption	1	0.1
K92	Other Diseases of Digestive System	76	4.1
L00-L99	Diseases of the Skin and Subcutaneous Tissue	32	1.7
L00-L08	Infections of the Skin and Subcutaneous Tissue	17	0.9
L00	Staphylococcal Scalded Skin Syndrome	1	0.1
L02	Cutaneous Abscess, Furuncle and Carbuncle	3	0.2
L03	Cellulitis	6	0.3
L08	Other Local Infections of Skin and Subcutaneous Tissue	7	0.4
L10-L14	Bullous Disorders	1	0.1
L12	Pemphigoid	1	0.1
L50-L54	Urticaria and Erythema	1	0.1
L51	Erythema Multiforme	1	0.1
L60-L75	Disorders of Skin Appendages	1	0.1
L74	Eccrine Sweat Disorders	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	12	0.6
L89	Decubitus Ulcer	9	0.5
L97	Ulcer of Lower Limb, Not Elsewhere Classified	2	0.1
L98	Other Disorders of Skin and Subcutaneous Tissue, Not Elsewhere Classified	1	0.1
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	108	5.8
M00-M25	Arthropathies	47	2.5
M00-M03	Infectious Arthropathies	1	0.1
M00	Pyogenic Arthritis	1	0.1
M05-M14	Inflammatory Polyarthropathies	36	1.9
M05	Seropositive Rheumatoid Arthritis	4	0.2
M06	Other Rheumatoid Arthritis	30	1.6
M10	Gout	1	0.1
M13	Other Arthritis	1	0.1
M15-M19	Arthrosis	10	0.5
M15	Polyarthrosis	1	0.1
M19	Other Arthrosis	9	0.5
M30-M36	Systemic Connective Tissue Disorders	23	1.2
M30	Polyarteritis Nodosa and Related Conditions	1	0.1
M31	Other Necrotizing Vasculopathies	6	0.3
M32	Systemic Lupus Erythematosus	4	0.2
M33	Dermatopolymyositis	2	0.1
M34	Systemic Sclerosis	7	0.4
M35	Other Systemic Involvement of Connective Tissue	3	0.2
M40-M54	Dorsopathies	11	0.6
M40-M43	Deforming Dorsopathies	1	0.1
M41	Scoliosis	1	0.1
M45-M49	Spondylopathies	7	0.4
M45	Ankylosing Spondylitis	1	0.1
M46	Other Inflammatory Spondylopathies	2	0.1
M48	Other Spondylopathies	4	0.2
M50-M54	Other Dorsopathies	3	0.2
M51	Other Intervertebral Disc Disorders	2	0.1
M54	Dorsalgia	1	0.1
M60-M79	Soft Tissue Disorders	13	0.7
M60-M63	Disorders of Muscles	10	0.5

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ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
M60	Myositis	1	0.1
M62	Other Disorders of Muscle	9	0.5
M70-M79	Other Soft Tissue Disorders	3	0.2
M72	Fibroblastic Disorders	3	0.2
M80-M94	Osteopathies and Chondropathies	14	0.8
M80-M85	Disorders of Bone Density and Structure	3	0.2
M80	Osteoporosis with Pathological Fracture	1	0.1
M84	Disorders of Continuity of Bone	2	0.1
M86-M90	Other Osteopathies	11	0.6
M86	Osteomyelitis	10	0.5
M89	Other Disorders of Bone	1	0.1
N00-N99	Diseases of the Genitourinary System	601	32.4
N00-N08	Glomerular Diseases	4	0.2
N00	Acute Nephritic Syndrome	2	0.1
N02	Recurrent and Persistent Hematuria	1	0.1
N05	Unspecified Nephritic Syndrome	1	0.1
N10-N16	Renal Tubulo-Interstitial Diseases	9	0.5
N10	Acute Tubulo-Interstitial Nephritis	2	0.1
N12	Tubulo-Interstitial Nephritis, Not Specified as Acute or Chronic	5	0.3
N13	Obstructive and Reflux Uropathy	2	0.1
N17-N19	Renal Failure	461	24.8
N17	Acute Renal Failure	77	4.2
N18	Chronic Renal Failure	244	13.2
N19	Unspecified Renal Failure	140	7.5
N20-N23	Urolithiasis	3	0.2
N20	Calculus of Kidney and Ureter	3	0.2
N25-N29	Other Disorders of Kidney and Ureter	18	1.0
N28	Other Disorders of Kidney and Ureter, Not Elsewhere Classified	18	1.0
N30-N39	Other Diseases of the Urinary System	97	5.2
N30	Cystitis	2	0.1
N31	Neuromuscular Dysfunction of Bladder, Not Elsewhere Classified	1	0.1
N32	Other Disorders of Bladder	1	0.1
N35	Urethral Stricture	1	0.1
N39	Other Disorders of Urinary System	92	5.0
N40-N51	Diseases of Male Genital Organs	4	0.2
N40	Hyperplasia of Prostate	2	0.1
N49	Inflammatory Disorders of Male Genital Organs, Not Elsewhere Classified	2	0.1
N80-N98	Noninflammatory Disorders of Female Genital Tract	5	0.3
N80	Endometriosis	1	0.1
N81	Female Genital Prolapse	1	0.1
N83	Noninflammatory Disorders of Ovary, Fallopian Tube and Broad Ligament	1	0.1
N93	Other Abnormal Uterine and Vaginal Bleeding	1	0.1
N94	Pain and Other Conditions Associated with Female Genital Organs and Menstrual Cycle	1	0.1
O00-O99**	Pregnancy, Childbirth and the Puerperium	1	4.8
O95-O99	Other Obstetric Conditions, Not Elsewhere Classified	1	4.8
O99	Other Maternal Diseases Classifiable Elsewhere but Complicating Pregnancy, Childbirth and the Puerperium	1	4.8
P00-P96	Certain Conditions Originating in the Perinatal Period	71	3.8
P00-P04	Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	23	1.2
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	12	0.6
P03	Fetus and Newborn Affected by Other Complications of Labor and Delivery	2	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	21	1.1
P05	Slow Fetal Growth and Fetal Malnutrition	2	0.1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	19	1.0
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	11	0.6
P20	Intrauterine Hypoxia	1	0.1
P21	Birth Asphyxia	1	0.1
P22	Respiratory Distress of Newborn	4	0.2
P24	Neonatal Aspiration Syndromes	1	0.1

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

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

West Virginia Bureau for Public Health  
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Causes of Resident Deaths: Number and Rate  
West Virginia, 2012  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
P26	Pulmonary Hemorrhage 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	2	0.1
P35-P39	Infections Specific to the Perinatal Period	3	0.2
P36	Bacterial Sepsis of Newborn	3	0.2
P50-P61	Hemorrhagic and Hematological Disorders of Fetus and Newborn	5	0.3
P52	Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	3	0.2
P60	Disseminated Intravascular Coagulation of Fetus and Newborn	1	0.1
P61	Other Perinatal Hematological Disorders	1	0.1
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus and Newborn	2	0.1
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Fetus and Newborn	2	0.1
P75-P78	Digestive System Disorders of Fetus and Newborn	5	0.3
P77	Necrotizing Enterocolitis of Fetus and Newborn	4	0.2
P78	Other Perinatal Digestive System Disorders	1	0.1
P90-P96	Other Disorders Originating in the Perinatal Period	1	0.1
P96	Other Conditions Originating in the Perinatal Period	1	0.1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	75	4.0
Q00-Q07	Congenital Malformations of the Nervous System	9	0.5
Q00	Anencephaly and Similar Malformations	1	0.1
Q02	Microcephaly	1	0.1
Q04	Other Congenital Malformations of Brain	5	0.3
Q05	Spina Bifida	2	0.1
Q20-Q28	Congenital Malformations of the Circulatory System	24	1.3
Q20	Congenital Malformations of Cardiac Chambers and Connections	1	0.1
Q21	Congenital Malformations of Cardiac Septa	3	0.2
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	2	0.1
Q23	Congenital Malformations of Aortic and Mitral Valves	3	0.2
Q24	Other Congenital Malformations of the Heart	11	0.6
Q25	Congenital Malformations of Great Arteries	2	0.1
Q26	Congenital Malformations of Great Veins	1	0.1
Q28	Other Congenital Malformations of Circulatory System	1	0.1
Q38-Q45	Other Congenital Malformations of the Digestive System	1	0.1
Q44	Congenital Malformations of Gallbladder, Bile Ducts and Liver	1	0.1
Q50-Q56	Congenital Malformations of Genital Organs	1	0.1
Q56	Indeterminate Sex and Pseudohermaphroditism	1	0.1
Q60-Q64	Congenital Malformations of the Urinary System	6	0.3
Q60	Renal Agenesis and Other Reduction Defects of Kidney	3	0.2
Q61	Cystic Kidney Disease	3	0.2
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	2	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	1	0.1
Q80-Q89	Other Congenital Malformations	11	0.6
Q85	Phakomatoses, Not Elsewhere Classified	2	0.1
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	4	0.2
Q89	Other Congenital Malformations, Not Elsewhere Classified	5	0.3
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	21	1.1
Q90	Down's Syndrome	13	0.7
Q91	Edwards' Syndrome and Patau's Syndrome	4	0.2
Q93	Monosomies and Deletions from the Autosomes, Not Elsewhere Classified	1	0.1
Q96	Turner's Syndrome	2	0.1
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	1	0.1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	574	30.9
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	37	2.0
R00	Abnormalities of Heart Beat	1	0.1
R06	Abnormalities of Breathing	6	0.3
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	30	1.6
R10-R19	Symptoms and Signs Involving the Digestive System and Abdomen	2	0.1
R13	Dysphagia	1	0.1
R19	Other Symptoms and Signs Involving the Digestive System and Abdomen	1	0.1
R40-R46	Symptoms and Signs Involving Cognition, Perception, Emotional State and Behavior	1	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, 2012**  
**Table 24 (Cont'd)**

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
R41	Other Symptoms and Signs Involving Cognitive Functions and Awareness	1	0.1
R50-R69	General Symptoms and Signs	185	10.0
R53	Malaise and Fatigue	27	1.5
R54	Senility	53	2.9
R56	Convulsions, Not Elsewhere Classified	15	0.8
R57	Shock, Not Elsewhere Classified	9	0.5
R58	Hemorrhage, Not Elsewhere Classified	11	0.6
R62	Lack of Expected Normal Physiological Development	55	3.0
R63	Symptoms and Signs Concerning Food and Fluid Intake	2	0.1
R64	Cachexia	1	0.1
R68	Other General Symptoms and Signs	12	0.6
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	342	18.4
R95	Sudden Infant Death Syndrome	20	1.1
R96	Other Sudden Death, Cause Unknown	31	1.7
R99	Other Ill-Defined and Unspecified Causes of Mortality	291	15.7
V01-Y98	External Causes of Morbidity and Mortality	1,896	102.2
V01-V99	Transport Accidents	366	19.7
V01-V09	Pedestrian Injured in Transport Accident	43	2.3
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	20	1.1
V04	Pedestrian Injured in Collision with Heavy Transport Vehicle or Bus	4	0.2
V05	Pedestrian Injured in Collision with Railway Train or Railway Vehicle	6	0.3
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	13	0.7
V10-V19	Pedal Cyclist Injured in Transport Accident	2	0.1
V13	Pedal Cyclist Injured in Collision with Car, Pickup Truck or Van	1	0.1
V19	Pedal Cyclist Injured in Other and Unspecified Transport Accidents	1	0.1
V20-V29	Motorcycle Rider Injured in Transport Accident	28	1.5
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	6	0.3
V24	Motorcycle Rider Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V27	Motorcycle Rider Injured in Collision with Fixed or Stationary Object	3	0.2
V28	Motorcycle Rider Injured in Noncollision Transport Accident	7	0.4
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	11	0.6
V40-V49	Car Occupant Injured in Transport Accident	46	2.5
V40	Car Occupant Injured in Collision with Pedestrian or Animal	1	0.1
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	11	0.6
V44	Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus	6	0.3
V47	Car Occupant Injured in Collision with Fixed or Stationary Object	11	0.6
V48	Car Occupant Injured in Noncollision Transport Accident	11	0.6
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	6	0.3
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	7	0.4
V53	Occupant of Pickup or Van Injured in Collision with Car, Pickup Truck or Van	1	0.1
V54	Occupant of Pickup or Van Injured in Collision with Heavy Transport Vehicle or Bus	2	0.1
V57	Occupant of Pickup or Van Injured in Collision with Fixed or Stationary Object	2	0.1
V58	Occupant of Pickup or Van Injured in Noncollision Transport Accident	2	0.1
V60-V69	Occupant of Heavy Transport Vehicle Injured in Transport Accident	2	0.1
V67	Occupant of Heavy Transport Vehicle Injured in Collision with Fixed or Stationary Object	1	0.1
V69	Occupant of Heavy Transport Vehicle Injured in Other and Unspecified Transport Accidents	1	0.1
V80-V89	Other Land Transport Accidents	235	12.7
V84	Occupant of Special Vehicle Mainly Used in Agriculture Injured in Transport Accident	4	0.2
V85	Occupant of Special Construction Vehicle Injured in Transport Accident	1	0.1
V86	Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident	44	2.4
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	58	3.1
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	128	6.9
V90-V94	Water Transport Accidents	3	0.2
V90	Accident to Watercraft Causing Drowning and Submersion	1	0.1
V92	Water-Transport-Related Drowning and Submersion without Accident to Watercraft	2	0.1
W00-X59	Other External Causes of Accidental Injury	962	51.8
W00-W19	Falls	240	12.9
W01	Fall on Same Level from Slipping, Tripping and Stumbling	9	0.5

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

Causes of Resident Deaths: Number and Rate  
West Virginia, 2012  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
W05	Fall Involving Wheelchair	8	0.4
W06	Fall Involving Bed	19	1.0
W07	Fall Involving Chair	6	0.3
W10	Fall on and from Stairs and Steps	18	1.0
W11	Fall on and from Ladder	3	0.2
W13	Fall from, out of or through Building or Structure	5	0.3
W14	Fall from Tree	2	0.1
W15	Fall from Cliff	3	0.2
W16	Diving or Jumping into Water Causing Injury Other Than Drowning or Submersion	1	0.1
W17	Other Fall from One Level to Another	4	0.2
W18	Other Fall on Same Level	104	5.6
W19	Unspecified Fall	58	3.1
W20-W49	Exposure to Inanimate Mechanical Forces	42	2.3
W20	Struck by Thrown, Projected or Falling Object	18	1.0
W22	Striking against or Struck by Other Objects	2	0.1
W23	Caught, Crushed, Jammed or Pinched in or between Objects	1	0.1
W24	Contact with Lifting and Transmission Devices, Not Elsewhere Classified	2	0.1
W28	Contact with Powered Lawnmower	3	0.2
W30	Contact with Agricultural Machinery	4	0.2
W31	Contact with Other and Unspecified Machinery	8	0.4
W33	Rifle, Shotgun and Larger Firearm Discharge	2	0.1
W40	Explosion of Other Materials	2	0.1
W50-W64	Exposure to Animate Mechanical Forces	3	0.2
W54	Bitten or Struck by Dog	1	0.1
W55	Bitten or Struck by Other Mammals	2	0.1
W65-W74	Accidental Drowning and Submersion	36	1.9
W65	Drowning and Submersion while in Bathtub	4	0.2
W67	Drowning and Submersion while in Swimming Pool	2	0.1
W69	Drowning and Submersion while in Natural Water	26	1.4
W70	Drowning and Submersion Following Fall in Natural Water	2	0.1
W74	Unspecified Drowning and Submersion	2	0.1
W75-W84	Other Accidental Threats to Breathing	61	3.3
W76	Other Accidental Hanging and Strangulation	3	0.2
W78	Inhalation of Gastric Contents	1	0.1
W79	Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	10	0.5
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	43	2.3
W84	Unspecified Threat to Breathing	4	0.2
W85-W99	Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure	4	0.2
W85	Exposure to Electric Transmission Lines	2	0.1
W87	Exposure to Unspecified Electric Current	2	0.1
X00-X09	Exposure to Smoke, Fire and Flames	28	1.5
X00	Exposure to Uncontrolled Fire in Building or Structure	17	0.9
X03	Exposure to Controlled Fire, Not in Building or Structure	1	0.1
X04	Exposure to Ignition of Highly Flammable Material	2	0.1
X09	Exposure to Unspecified Smoke, Fire and Flames	8	0.4
X10-X19	Contact with Heat and Hot Substances	1	0.1
X11	Contact with Hot Tap-Water	1	0.1
X20-X29	Contact with Venomous Animals and Plants	1	0.1
X20	Contact with Venomous Snakes and Lizards	1	0.1
X30-X39	Exposure to Forces of Nature	6	0.3
X30	Exposure to Excessive Natural Heat	2	0.1
X31	Exposure to Excessive Natural Cold	4	0.2
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	510	27.5
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	17	0.9
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	82	4.4
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	382	20.6
X45	Accidental Poisoning by Alcohol	19	1.0
X47	Accidental Poisoning by Other Gases and Vapors	10	0.5
X58-X59	Accidental Exposure to Other and Unspecified Factors	30	1.6
X59	Exposure to Unspecified Factors	30	1.6

\*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, 2012**  
**Table 24 (Cont'd)**

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
X60-X84	Intentional Self-Harm	325	17.5
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	14	0.8
X62	Intentional Self-Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	1	0.1
X63	Intentional Self-Poisoning by Other Drugs Acting on the Autonomic Nervous System	1	0.1
X64	Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	17	0.9
X67	Intentional Self-Poisoning by Other Gases and Vapors	6	0.3
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	69	3.7
X71	Intentional Self-Harm by Drowning and Submersion	1	0.1
X72	Intentional Self-Harm by Handgun Discharge	77	4.2
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	46	2.5
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	74	4.0
X76	Intentional Self-Harm by Smoke, Fire and Flames	2	0.1
X78	Intentional Self-Harm by Sharp Object	3	0.2
X80	Intentional Self-Harm by Jumping from a High Place	10	0.5
X81	Intentional Self-Harm by Jumping or Lying Before a Moving Object	2	0.1
X85-Y09	Assault	108	5.8
X88	Assault by Gases and Vapors	2	0.1
X91	Assault by Hanging, Strangulation and Suffocation	4	0.2
X92	Assault by Drowning and Submersion	1	0.1
X93	Assault by Handgun Discharge	13	0.7
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	3	0.2
X95	Assault by Other and Unspecified Firearm Discharge	55	3.0
X97	Assault by Smoke, Fire and Flames	1	0.1
X99	Assault by Sharp Object	10	0.5
Y00	Assault by Blunt Object	1	0.1
Y04	Assault by Bodily Force	1	0.1
Y06	Neglect and Abandonment	3	0.2
Y07	Other Maltreatment Syndromes	1	0.1
Y09	Assault by Unspecified Means	13	0.7
Y10-Y34	Event of Undetermined Intent	82	4.4
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined Intent	4	0.2
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent	7	0.4
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	21	1.1
Y17	Poisoning by Other Gases and Vapors, Undetermined Intent	4	0.2
Y21	Drowning and Submersion, Undetermined Intent	4	0.2
Y23	Rifle, Shotgun and Larger Firearm Discharge, Undetermined Intent	1	0.1
Y24	Other and Unspecified Firearm Discharge, Undetermined Intent	2	0.1
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	28	1.5
Y31	Falling, Lying or Running Before or into Moving Object, Undetermined Intent	1	0.1
Y33	Other Specified Events, Undetermined Intent	2	0.1
Y34	Unspecified Event, Undetermined Intent	8	0.4
Y35-Y36	Legal Intervention and Operations of War	5	0.3
Y35	Legal Intervention	5	0.3
Y40-Y84	Complications of Medical and Surgical Care	20	1.1
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	1	0.1
Y44	Agents Primarily Affecting Blood Constituents	1	0.1
Y60-Y69	Misadventures to Patients during Surgical and Medical Care	1	0.1
Y60	Unintentional Cut, Puncture, Perforation or Hemorrhage during Surgical and Medical Care	1	0.1
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	18	1.0
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	11	0.6
Y84	Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	7	0.4
Y85-Y89	Sequelae of External Causes of Morbidity and Mortality	28	1.5
Y85	Sequelae of Transport Accidents	12	0.6
Y86	Sequelae of Other Accidents	11	0.6
Y87	Sequelae of Intentional Self-Harm, Assault and Event of Undetermined Intent	3	0.2
Y88	Sequelae of Surgical and Medical Care as External Cause	2	0.1

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

Selected Causes of Resident Deaths: Number by Race and Gender  
West Virginia, 2012  
Table 25

Selected Causes of Death	Number by Race and Gender								Total
	White or Caucasian		Black or African American		All Other Races		Unknown		
	Male	Female	Male	Female	Male	Female	Male	Female	
Fetal Deaths	40	43	3	2	0	0	0	0	88
Total Deaths, All Causes	10,480	10,419	372	309	19	25	17	12	21,653
--Deaths Under One Year	75	60	11	4	1	1	0	0	152
--Deaths Under 28 Days	48	41	6	0	0	1	0	0	96
Tuberculosis	0	1	0	0	0	0	0	0	1
Septicemia	142	171	7	3	0	1	0	0	324
Human Immunodeficiency Virus Infection	9	3	1	1	0	0	0	0	14
Malignant Neoplasms	2,398	2,080	87	58	6	7	4	2	4,642
--of Digestive Organs	597	416	25	19	2	2	1	0	1,062
----Colon	179	158	5	5	0	2	0	0	349
----Pancreas	146	131	4	8	1	0	0	0	290
--of Respiratory and Intrathoracic Organs	861	631	28	11	2	1	0	0	1,534
----Trachea, Bronchus and Lung	816	614	24	11	2	1	0	0	1,468
--of Breast	3	281	0	10	0	1	0	1	296
--of Genitourinary Organs	278	267	11	6	1	1	0	1	565
----Cervix Uteri	0	36	0	0	0	0	0	1	37
----Ovary	0	97	0	1	0	0	0	0	98
----Prostate	146	0	11	0	1	0	0	0	158
----Bladder	67	40	0	0	0	0	0	0	107
--All Other (Malignant Neoplasms)	659	485	23	12	1	2	3	0	1,185
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	69	49	4	2	0	0	0	0	124
Diabetes Mellitus	389	311	17	16	1	2	0	0	736
Dementia	281	692	3	17	1	1	0	1	996
Alzheimer's Disease	153	425	1	7	1	0	0	0	587
Major Cardiovascular Disease	3,018	3,216	103	88	4	4	4	6	6,443
--Diseases of the Heart	2,400	2,319	78	51	4	2	3	5	4,862
----Ischemic Heart Disease	1,649	1,343	43	24	3	0	2	2	3,066
--Essential Hypertension and Hypertensive Renal Disease	102	133	8	9	0	1	0	0	253
--Cerebrovascular Diseases (Stroke)	427	649	14	26	0	1	0	1	1,118
--Arteriosclerosis	16	43	2	0	0	0	0	0	61
--Other Diseases of Arteries, Arterioles and Capillaries	73	72	1	2	0	0	1	0	149
Influenza and Pneumonia	199	212	5	4	0	1	1	0	422
--Influenza	4	5	0	0	0	0	0	0	9
--Pneumonia	195	207	5	4	0	1	1	0	413
Chronic Lower Respiratory Diseases	707	762	9	12	0	2	0	0	1,492
--Bronchitis, Emphysema and Asthma	37	45	0	1	0	0	0	0	83
Lung Diseases due to External Agents	120	61	4	0	0	0	0	0	185
--Coal Worker's Pneumoconiosis	28	0	2	0	0	0	0	0	30
Chronic Liver Disease and Cirrhosis	177	69	4	1	0	0	0	0	251
Nephritis, Nephrotic Syndrome and Nephrosis	228	200	17	18	0	0	2	0	465
Congenital Malformations	30	42	1	1	0	0	1	0	75
Ill-Defined and Unknown Causes of Death	179	144	11	6	0	1	0	1	342
Accidents, All Forms	834	472	29	12	1	1	1	1	1,351
--Motor Vehicle	249	91	11	3	0	0	0	0	354
--Falls	113	120	4	2	0	1	0	0	240
--Drownings	28	5	2	0	0	0	1	0	36
--Smoke, Fire and Flames	17	10	1	0	0	0	0	0	28
--Poisonings	312	182	9	6	0	0	0	1	510
--Other Accidents	115	64	2	1	1	0	0	0	183
Intentional Self-Harm (Suicide)	249	70	4	2	0	0	0	0	325
Assault (Homicide)	66	29	12	2	1	0	0	0	110
Injury Undetermined Whether Accidental or Purposely Inflicted	46	25	5	7	0	0	0	0	83
All Other Causes (Residual)	1,186	1,385	48	52	4	5	4	1	2,685

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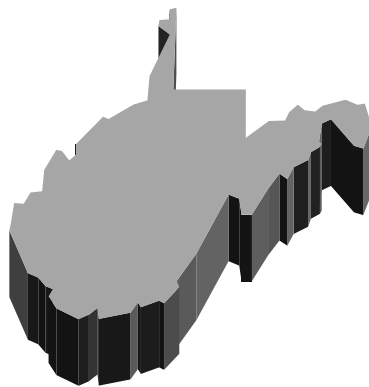
Selected Causes of Resident Deaths by Age Group  
West Virginia, 2012  
Table 26

Selected Causes of Death	Total	Age In Years										Average Age at Death	
		Less Than One	1-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over		Un-known
Total Deaths, All Causes	21,653	152	76	185	439	691	1,591	3,026	4,057	5,584	5,850	2	72.1
--Deaths Under One Year	152	152	0	0	0	0	0	0	0	0	0	0	0.1
--Deaths Under 28 Days	96	96	0	0	0	0	0	0	0	0	0	0	0.0
Tuberculosis	1	0	0	0	0	0	0	0	0	1	0	0	82.0
Septicemia	324	1	0	1	1	5	19	32	76	107	82	0	75.1
Human Immunodeficiency Virus Infection	14	0	0	0	1	2	5	5	0	1	0	0	52.0
Malignant Neoplasms	4,642	1	3	8	33	86	385	983	1,297	1,197	649	0	70.3
--of Digestive Organs	1,062	0	0	0	8	18	83	244	277	273	159	0	70.6
----Colon	349	0	0	0	4	5	24	57	83	103	73	0	73.1
----Pancreas	290	0	0	0	0	4	26	68	83	73	36	0	69.9
--of Respiratory and Intrathoracic Organs	1,534	0	0	0	6	13	133	342	505	391	144	0	69.7
----Trachea, Bronchus and Lung	1,468	0	0	0	6	13	124	325	481	381	138	0	69.8
--of Breast	296	0	0	0	6	16	28	75	70	52	49	0	68.0
--of Genitourinary Organs	565	0	0	0	4	12	38	102	150	150	109	0	72.2
----Cervix Uteri	37	0	0	0	1	4	14	5	10	3	0	0	56.6
----Ovary	98	0	0	0	1	3	5	25	26	22	16	0	70.0
----Prostate	158	0	0	0	0	1	3	21	44	48	41	0	76.4
----Bladder	107	0	0	0	0	1	5	10	27	38	26	0	76.3
--All Other (Malignant Neoplasms)	1,185	1	3	8	9	27	103	220	295	331	188	0	70.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	124	1	1	0	0	2	3	15	23	46	33	0	75.9
Diabetes Mellitus	736	0	0	1	7	18	54	155	182	185	134	0	70.9
Dementia	996	0	0	0	0	0	2	9	65	289	631	0	86.2
Alzheimer's Disease	587	0	0	0	0	0	1	4	33	185	364	0	85.8
Major Cardiovascular Disease	6,443	3	4	12	35	99	386	706	1,085	1,828	2,285	0	76.8
--Diseases of the Heart	4,862	3	3	11	32	88	309	563	823	1,346	1,684	0	76.3
----Ischemic Heart Disease	3,066	0	1	2	14	57	218	390	584	845	955	0	75.3
--Essential Hypertension and Hypertensive Renal Disease	253	0	0	0	0	3	16	37	42	66	89	0	77.0
--Cerebrovascular Diseases (Stroke)	1,118	0	1	1	2	7	53	86	183	360	425	0	78.7
--Arteriosclerosis	61	0	0	0	0	0	0	3	5	16	37	0	85.6
--Other Diseases of Arteries, Arterioles and Capillaries	149	0	0	0	1	1	8	17	32	40	50	0	76.7
Influenza and Pneumonia	422	0	1	3	5	7	14	35	58	125	174	0	78.7
--Influenza	9	0	0	0	0	0	1	0	1	0	7	0	84.9
--Pneumonia	413	0	1	3	5	7	13	35	57	125	167	0	78.5
Chronic Lower Respiratory Diseases	1,492	0	1	3	3	6	50	215	386	479	349	0	75.1
--Bronchitis, Emphysema and Asthma	83	0	1	3	2	2	8	17	18	19	13	0	67.4
Lung Diseases due to External Agents	185	0	1	0	0	1	7	16	30	60	70	0	78.5
--Coal Workers Pneumoconiosis	30	0	0	0	0	0	0	4	5	10	11	0	78.9
Chronic Liver Disease and Cirrhosis	251	0	0	0	2	16	59	87	49	32	6	0	60.9
Nephritis, Nephrotic Syndrome and Nephrosis	465	1	0	0	1	5	20	54	92	162	130	0	76.7
Congenital Malformations	75	35	9	5	2	4	8	7	0	2	3	0	21.6
Ill-Defined and Unknown Causes of Death	342	26	0	2	10	11	33	74	64	57	64	1	63.3
Accidents, All Forms	1,351	4	20	79	205	243	231	174	105	141	148	1	52.6
--Motor Vehicle	354	0	14	53	62	54	47	51	35	28	10	0	45.4
--Falls	240	1	0	1	3	4	9	16	33	70	102	1	78.4
--Drownings	36	0	2	3	9	5	5	8	3	1	0	0	42.4
--Smoke, Fire and Flames	28	0	0	0	3	2	2	5	6	4	6	0	66.4
--Poisonings	510	0	1	19	109	166	142	61	10	0	2	0	42.4
--Other Accidents	183	3	3	3	19	12	26	33	18	38	28	0	61.3
Intentional Self-Harm (Suicide)	325	0	3	39	53	59	70	58	25	13	5	0	45.5
Assault (Homicide)	110	1	10	10	22	25	24	7	6	2	3	0	39.3
Injury Undetermined Whether Accidental or Purposely Inflicted	83	1	10	9	12	16	11	15	6	2	1	0	39.9
All Other Causes (Residual)	2,685	78	13	13	47	86	209	375	475	670	719	0	70.6

Selected Causes of Resident Deaths by Month of Occurrence  
West Virginia, 2012  
Table 27

Selected Causes of Death	Number of Deaths per Month												Total
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
Fetal Deaths	11	7	5	7	9	5	8	8	8	3	9	8	88
Total Deaths, All Causes	1,948	1,773	1,770	1,752	1,781	1,764	1,801	1,774	1,705	1,858	1,774	1,953	21,653
--Deaths Under One Year	15	8	15	13	18	7	14	12	13	11	18	8	152
--Deaths Under 28 Days	5	6	9	8	12	5	11	7	11	6	11	5	96
Tuberculosis	0	0	0	0	0	0	0	0	0	0	0	1	1
Septicemia	24	31	30	26	38	18	29	22	19	21	33	33	324
Human Immunodeficiency Virus Infection	0	4	2	0	2	1	0	2	1	1	0	1	14
Malignant Neoplasms	404	365	362	375	368	391	369	418	382	420	373	415	4,642
--of Digestive Organs	100	89	86	92	74	91	85	105	84	92	69	95	1,062
----Colon	34	31	38	26	21	29	30	44	27	19	22	28	349
----Pancreas	24	26	20	25	20	24	22	30	26	27	16	30	290
--of Respiratory and Intrathoracic Organs	123	129	122	131	127	123	131	137	127	141	125	118	1,534
----Trachea, Bronchus and Lung	119	124	115	126	125	111	126	132	119	135	121	115	1,468
--of Breast	26	30	22	19	31	24	22	22	21	26	23	30	296
--of Genitourinary Organs	45	34	49	48	45	53	42	55	62	43	41	48	565
----Cervix Uteri	4	2	3	1	5	3	2	6	2	4	1	4	37
----Ovary	8	9	6	7	7	4	8	10	12	11	8	8	98
----Prostate	9	10	16	15	15	20	9	16	17	6	12	13	158
----Bladder	10	5	14	9	6	13	12	9	10	5	8	6	107
--All Other (Malignant Neoplasms)	110	83	83	85	91	100	89	99	88	118	115	124	1,185
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	18	9	8	12	3	5	9	8	15	17	8	12	124
Diabetes Mellitus	67	63	56	61	58	52	77	66	62	53	53	68	736
Dementia	111	82	69	77	89	69	85	83	62	100	94	75	996
Alzheimer's Disease	51	58	54	45	53	45	51	34	44	61	44	47	587
Major Cardiovascular Disease	567	527	533	534	537	557	549	506	506	526	528	573	6,443
--Diseases of the Heart	431	375	394	408	419	426	423	375	392	380	394	445	4,862
----Ischemic Heart Disease	279	229	251	260	273	265	243	224	251	240	257	294	3,066
--Essential Hypertension and Hypertensive Renal Disease	20	26	15	23	25	19	31	20	15	13	25	21	253
--Cerebrovascular Diseases (Stroke)	96	109	103	88	81	95	84	93	83	104	94	88	1,118
--Arteriosclerosis	5	6	4	6	5	4	5	5	6	9	2	4	61
--Other Diseases of Arteries, Arterioles and Capillaries	15	11	17	9	7	13	6	13	10	20	13	15	149
Influenza and Pneumonia	40	33	37	36	24	32	23	28	34	35	41	59	422
--Influenza	0	0	1	1	0	0	0	0	0	0	0	7	9
--Pneumonia	40	33	36	35	24	32	23	28	34	35	41	52	413
Chronic Lower Respiratory Diseases	139	124	127	137	121	132	98	116	111	128	114	145	1,492
--Bronchitis, Emphysema and Asthma	8	8	4	4	7	8	5	7	9	7	6	10	83
Lung Diseases due to External Agents	21	13	17	16	15	7	19	13	9	17	17	21	185
--Coal Worker's Pneumoconiosis	5	3	1	3	3	3	4	1	0	0	4	3	30
Chronic Liver Disease and Cirrhosis	15	16	24	16	17	22	21	21	17	29	28	25	251
Nephritis, Nephrotic Syndrome and Nephrosis	50	45	32	31	35	33	32	39	42	45	39	42	465
Congenital Malformations	5	6	8	1	8	4	6	6	7	9	10	5	75
Ill-Defined and Unknown Causes of Death	32	33	24	25	29	23	26	23	24	32	30	41	342
Accidents, All Forms	110	99	115	101	119	128	140	114	111	98	112	104	1,351
--Motor Vehicle	26	21	26	19	34	51	33	36	32	24	31	21	354
--Falls	17	15	17	22	21	19	27	18	20	25	20	19	240
--Drownings	1	1	2	1	5	5	10	6	2	0	2	1	36
--Smoke, Fire and Flames	1	5	7	4	0	0	2	1	1	1	3	3	28
--Poisonings	46	45	49	41	40	38	44	39	48	35	45	40	510
--Other Accidents	19	12	14	14	19	15	24	14	8	13	11	20	183
Intentional Self-Harm (Suicide)	21	23	22	24	36	27	30	33	19	36	29	25	325
Assault (Homicide)	14	10	13	6	14	6	9	11	10	7	8	2	110
Injury Undetermined Whether Accidental or Purposely Inflicted	8	12	15	3	10	6	11	4	4	3	4	3	83
All Other Causes (Residual)	251	220	222	226	205	206	217	227	226	220	209	256	2,685





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



## Infant and Fetal Death Summary

Deaths of infants under one year of age increased by 11, from 141 in 2011 to 152 in 2012. West Virginia's infant mortality rate also rose, from 6.8 per 1,000 live births in 2011 to 7.3 in 2012. The preliminary U.S. infant mortality was 6.0 in 2012.

The following table shows the decline in the national and state infant mortality rates from 1950 through 2012.

**1950 – 2012 Infant Mortality**  
**West Virginia and United States**  
(Number and Rate per 1,000 Live Births)

Year	West Virginia	United States
1950	31.4	29.2
1955	27.1	26.4
1960	25.3	26.0
1965	27.1	24.5
1970	23.3	20.0
1975	18.3	16.1
1980	11.8	12.6
1985	10.7	10.6
1990	9.8	9.1
1995	7.6	7.5
2000	7.6	6.9
2005	8.1	6.9
2006	7.4	6.7
2007	7.4	6.8
2008	7.7	6.6
2009	7.8	6.4
2010	7.3	6.1
2011	6.8	6.0
2012	7.3	6.0

The state's 2012 white infant mortality rate increased from 6.5 in 2011 to 6.9 in 2012, while the rate for black infants increased from 16.8 to 19.6 (see Statistical Variation in Appendix B, page 163). West Virginia's 2012 race-specific infant mortality rates and comparable U.S. rates are shown in the table on the following page.

**2012 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	152	7.3	23,629	6.0
White	135	6.9	15,258	5.1
Black	15	19.6	7,095	11.2
Other	2	5.3	1,276	3.9

\*Source: [http://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63\\_09.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr63/nvsr63_09.pdf)

Approximately one out of seven (13.2%) infant deaths in 2012 was due to SIDS (sudden infant death syndrome). Approximately one in four (23.0%) was the result of congenital malformations, while 46.1% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (12.5%).

### Neonatal/Postneonatal Deaths

The number of neonatal deaths rose by 10, from 86 in 2011 to 96 in 2012; the neonatal death rate also increased, from 4.2 deaths among infants aged less than 28 days per 1,000 live births in 2011 to 4.6 in 2012. Neonatal deaths comprised 63.2% of all West Virginia resident infant deaths in 2012, compared with 61.0% in 2011. The rate of postneonatal deaths remained the same at 2.7 deaths per 1,000 neonatal survivors between 2011 and 2012. The 2012 preliminary U.S. neonatal death rate was 4.0, while the postneonatal rate was 2.0 deaths per 1,000 neonatal survivors.

### Fetal Deaths

The 88 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 2012 were two less than in 2011 (90). The fetal death ratio also decreased, from 4.3 deaths per 1,000 live births in 2011 to 4.2 in 2012. The majority (95.5%) of fetal deaths was due to conditions originating in the perinatal period, including complications of placenta, cord and membrane (34.1%), maternal conditions (4.5%), maternal complications (11.4%), short gestation and low birthweight (6.8%) and other ill-defined perinatal conditions (31.8%). Congenital malformations accounted for 4.5% of all fetal deaths.

Fetal Deaths, Neonatal Deaths and Postneonatal Deaths: Number and Rate/Ratio  
 West Virginia Resident Deaths, 1925-2012  
 Table 28

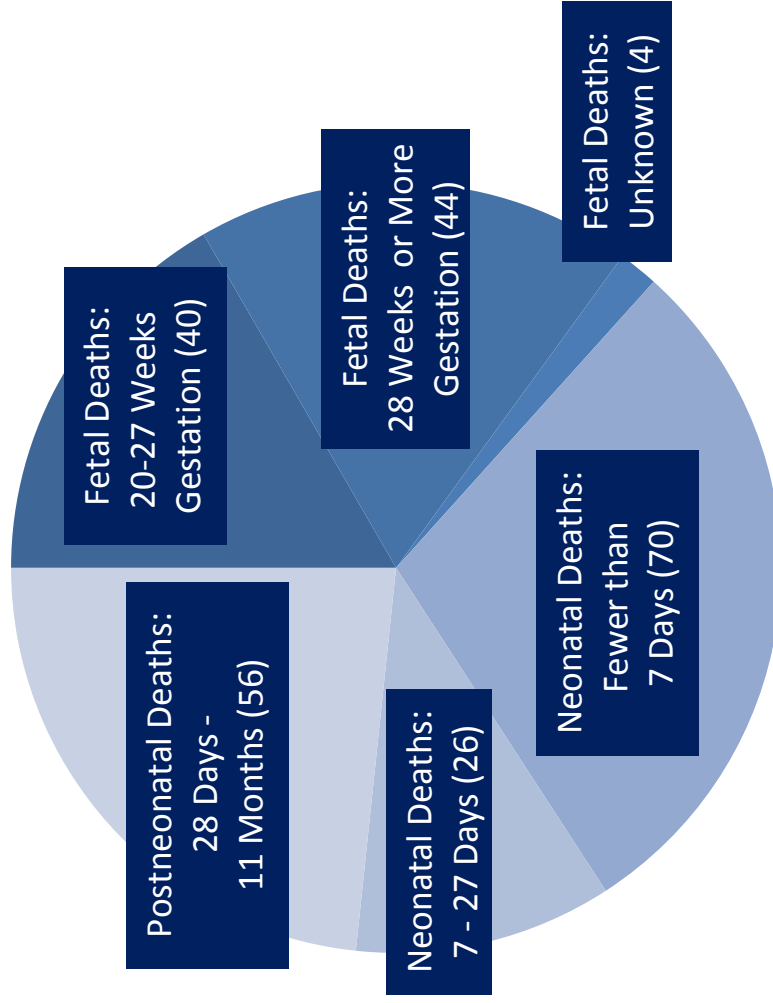
Year	Fetal Deaths		Neonatal Deaths		Postneonatal Deaths		
	Number	Ratio per 1,000 Live Births	Number	Rate per 1,000 Live Births	Number	Rate per 1,000 Live Births	Rate per 1,000 Neonatal Survivors*
1925	1,740	38.5	N/A	N/A	N/A	N/A	N/A
1930	1,547	37.2	N/A	N/A	N/A	N/A	N/A
1935	1,647	39.4	1,467	35.1	1,071	25.6	26.6
1940	1,483	35.4	1,321	31.5	937	22.4	23.1
1945	1,594	41.5	1,085	28.2	928	24.1	24.8
1950	1,126	22.1	1,184	23.3	665	13.1	13.4
1955	813	18.4	847	19.2	351	7.9	8.1
1960	583	14.7	713	18.0	292	7.4	7.5
1965	575	18.0	649	20.3	218	6.8	7.0
1970	513	17.0	542	18.0	163	5.4	5.5
1975	323	11.6	385	13.8	128	4.6	4.6
1980	275	9.3	235	8.0	112	3.8	3.8
1985	208	8.6	175	7.3	82	3.4	3.4
1990	168	7.4	142	6.3	80	3.5	3.6
1995	143	6.8	103	4.9	57	2.7	2.7
2000	142	6.8	103	4.9	56	2.7	2.7
2005	115	5.5	106	5.1	62	3.0	3.0
2010	83	4.1	82	4.0	68	3.3	3.3
2011	90	4.3	86	4.2	55	2.7	2.7
2012	88	4.2	96	4.6	56	2.7	2.7

\*Neonatal survivors are live births minus neonatal deaths.

West Virginia Bureau for Public Health  
 Health Statistics Center, 2015

# Fetal Deaths, Neonatal Deaths and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2012

Exhibit 14



Causes of Resident Infant Deaths by Age  
West Virginia, 2012  
Table 29

ICDA 10 Code Number	Cause of Death	Under 1 Day	1 to 6 Days	7 to 27 Days	28 Days to 11 Months	Total
A00-Z99	Total Deaths, All Causes	51	19	26	56	152
A00-B99	Certain Infectious and Parasitic Diseases	0	0	0	2	2
A00-A09	Intestinal Infectious Diseases	0	0	0	1	1
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	0	0	0	1	1
A30-A49	Other Bacterial Diseases	0	0	0	1	1
A41	Other Septicemia	0	0	0	1	1
C00-D48	Neoplasms	0	0	0	2	2
C00-C97	Malignant Neoplasms	0	0	0	1	1
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	0	0	0	1	1
C71	Malignant Neoplasm of Brain	0	0	0	1	1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	0	0	0	1	1
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	0	0	0	1	1
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	0	0	0	1	1
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	0	0	0	1	1
D66	Hereditary Factor VIII Deficiency	0	0	0	1	1
G00-G99	Diseases of the Nervous System	0	0	0	4	4
G10-G14	Systemic Atrophies Primarily Affecting the Central Nervous System	0	0	0	1	1
G12	Spinal Muscular Atrophy and Related Syndromes	0	0	0	1	1
G90-G99	Other Disorders of the Nervous System	0	0	0	3	3
G93	Other Disorders of Brain	0	0	0	3	3
I00-I99	Diseases of the Circulatory System	0	0	1	2	3
I00-I09, I11, I13, I20-I51	Diseases of the Heart	0	0	1	2	3
I30-I52	Other forms of Heart Diseases	0	0	1	2	3
I40	Acute Myocarditis	0	0	1	1	2
I42	Cardiomyopathy	0	0	0	1	1
J00-J99	Diseases of the Respiratory System	0	0	0	2	2
J95-J99	Other Diseases of the Respiratory System	0	0	0	2	2
J96	Respiratory Failure, Not Elsewhere Classified	0	0	0	1	1
J98	Other Respiratory Disorders	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	43	10	13	4	70
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	19	3	1	0	23
P00	Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	1	0	0	0	1
P00.0	Maternal Hypertensive Disorders	1	0	0	0	1
P01	Newborn Affected by Maternal Complications of Pregnancy	7	0	0	0	7
P01.1	Premature Rupture of Membranes	6	0	0	0	6
P01.5	Multiple Pregnancy	1	0	0	0	1
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	9	3	0	0	12
P02.1	Other Forms of Placenta Separation and Hemorrhage	4	1	0	0	5
P02.3	Placental Transfusion Syndromes	2	1	0	0	3
P02.4	Prolapsed Cord	0	1	0	0	1
P02.7	Chorioamnionitis	3	0	0	0	3
P03	Newborn Affected by Other Complications of Labor and Delivery	2	0	0	0	2
P04	Newborn Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	0	0	1	0	1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	19	0	0	2	21
P05	Slow Fetal Growth and Fetal Malnutrition	1	0	0	1	2
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	18	0	0	1	19
P07.2	Extreme Immaturity	10	0	0	0	10
P07.3	Other Preterm Infants	8	0	0	1	9
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	4	2	4	1	11
P20	Intrauterine Hypoxia	0	0	1	0	1
P21	Birth Asphyxia	0	0	0	1	1
P22	Respiratory Distress of Newborn	0	2	2	0	4
P22.0	Respiratory Distress Syndrome	0	2	2	0	4
P24	Neonatal Aspiration Syndromes	1	0	0	0	1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	1	0	0	0	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	1	0	0	0	1

Causes of Resident Infant Deaths by Age  
West Virginia, 2012  
Table 29 (Cont'd)

ICDA 10 Code Number	Cause of Death	Under 1 Day	1 to 6 Days	7 to 27 Days	28 Days to 11 Months	Total
P29	Cardiovascular Disorders Originating in the Perinatal Period	1	0	1	0	2
P29.0	Neonatal Cardiac Failure	1	0	1	0	2
P35-P39	Infections Specific to the Perinatal Period	0	1	2	0	3
P36	Bacterial Sepsis of Newborn	0	1	2	0	3
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	1	3	1	0	5
P52	Intracranial Nontraumatic Hemorrhage of Newborn	0	2	1	0	3
P60	Disseminated Intravascular Coagulation of Newborn	0	1	0	0	1
P61	Other Perinatal Hematological Disorders	1	0	0	0	1
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Newborn	0	1	0	0	1
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Newborn	0	1	0	0	1
P70.1	Syndrome of "Infant of a Diabetic Mother"	0	1	0	0	1
P75-P78	Digestive System Disorders of Newborn	0	0	5	0	5
P77	Necrotizing Enterocolitis of Newborn	0	0	4	0	4
P78	Other Perinatal Digestive System Disorders	0	0	1	0	1
P90-P96	Other Disorders Originating in the Perinatal Period	0	0	0	1	1
P96	Other Conditions Originating in the Perinatal Period	0	0	0	1	1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	6	7	6	16	35
Q00-Q07	Congenital Malformations of the Nervous System	2	0	0	2	4
Q00	Anencephaly and Similar Malformations	1	0	0	0	1
Q04	Other Congenital Malformations of Brain	1	0	0	2	3
Q20-Q28	Congenital Malformations of the Circulatory System	0	2	2	8	12
Q20	Congenital Malformations of Cardiac Chambers and Connections	0	0	0	1	1
Q21	Congenital Malformations of Cardiac Septa	0	0	0	2	2
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	1	0	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	0	1	1	2
Q24	Other Congenital Malformations of the Heart	0	1	1	1	3
Q25	Congenital Malformations of Great Arteries	0	0	0	2	2
Q26	Congenital Malformations of Great Veins	0	0	0	1	1
Q50-Q56	Congenital Malformations of Genital Organs	0	0	0	1	1
Q56	Indeterminate Sex and Pseudohermaphroditism	0	0	0	1	1
Q60-Q64	Congenital Malformations of the Urinary System	2	2	0	0	4
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	1	0	0	2
Q61	Cystic Kidney Disease	1	1	0	0	2
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	1	0	1	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 Classified	0	0	0	1	1
Q80-Q89	Other Congenital Malformations	2	1	0	1	4
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	0	0	0	1	1
Q89	Other Congenital Malformations, Not Elsewhere Classified	2	1	0	0	3
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	1	4	3	8
Q90	Down's Syndrome	0	0	1	1	2
Q91	Edwards' Syndrome and Patau's Syndrome	0	1	2	1	4
Q93	Monosomies and Deletions from the Autosomes, Not Elsewhere Classified	0	0	1	0	1
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	0	0	0	1	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	2	0	5	19	26
R95-R99	Ill-Defined and Unknown Causes of Mortality	2	0	5	19	26
R95	Sudden Infant Death Syndrome	1	0	4	15	20
R99	Other Ill-Defined and Unspecified Causes of Mortality	1	0	1	4	6
V01-Y98	External Causes of Morbidity and Mortality	0	2	0	4	6
W00-X59	Other External Causes of Accidental Injury	0	2	0	2	4
W00-W19	Falls	0	0	0	1	1
W19	Unspecified Fall	0	0	0	1	1
W20-W49	Exposure to Inanimate Mechanical Forces	0	1	0	0	1
W33	Rifle, Shotgun and Larger Firearm Discharge	0	1	0	0	1
W75-W84	Other Accidental Threats to Breathing	0	1	0	1	2
W76	Other Accidental Hanging and Strangulation	0	1	0	0	1
W84	Unspecified Threat to Breathing	0	0	0	1	1
X85-Y09	Assault	0	0	0	1	1
Y09	Assault by Unspecified Means	0	0	0	1	1
Y10-Y34	Event of Undetermined Intent	0	0	0	1	1
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	0	0	0	1	1



Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2012  
Table 30

ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500 Grams	1,500 - 2,499 Grams	2,500 Grams or More	Un-known	
A00-Z99	Total Deaths, All Causes	78	17	54	3	152
A00-B99	Certain Infectious and Parasitic Diseases	2	0	0	0	2
A00-A09	Intestinal Infectious Diseases	1	0	0	0	1
A09	Diarrhoea and Gastroenteritis of Presumed Infectious Origin	1	0	0	0	1
A30-A49	Other Bacterial Diseases	1	0	0	0	1
A41	Other Septicemia	1	0	0	0	1
C00-D48	Neoplasms	0	1	0	1	2
C00-C97	Malignant Neoplasms	0	1	0	0	1
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	0	1	0	0	1
C71	Malignant Neoplasm of Brain	0	1	0	0	1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	0	0	0	1	1
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	0	0	0	1	1
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	0	0	1	0	1
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	0	0	1	0	1
D66	Hereditary Factor VIII Deficiency	0	0	1	0	1
G00-G99	Diseases of the Nervous System	0	0	4	0	4
G10-G14	Systemic Atrophies Primarily Affecting the Central Nervous System	0	0	1	0	1
G12	Spinal Muscular Atrophy and Related Syndromes	0	0	1	0	1
G90-G99	Other Disorders of the Nervous System	0	0	3	0	3
G93	Other Disorders of Brain	0	0	3	0	3
I00-I99	Diseases of the Circulatory System	0	2	1	0	3
I00-I09, I11, I13, I20-I51	Diseases of the Heart	0	2	1	0	3
I30-I52	Other forms of Heart Diseases	0	2	1	0	3
I40	Acute Myocarditis	0	1	1	0	2
I42	Cardiomyopathy	0	1	0	0	1
J00-J99	Diseases of the Respiratory System	1	0	1	0	2
J95-J99	Other Diseases of the Respiratory System	1	0	1	0	2
J96	Respiratory Failure, Not Elsewhere Classified	0	0	1	0	1
J98	Other Respiratory Disorders	1	0	0	0	1
N00-N99	Diseases of the Genitourinary System	0	1	0	0	1
N17-N19	Renal Failure	0	1	0	0	1
N19	Unspecified Renal Failure	0	1	0	0	1
P00-P96	Certain Conditions Originating in the Perinatal Period	60	1	8	1	70
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	21	0	2	0	23
P00	Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	1	0	0	0	1
P00.0	Maternal Hypertensive Disorders	1	0	0	0	1
P01	Newborn Affected by Maternal Complications of Pregnancy	7	0	0	0	7
P01.1	Premature Rupture of Membranes	6	0	0	0	6
P01.5	Multiple Pregnancy	1	0	0	0	1
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	10	0	2	0	12
P02.1	Other Forms of Placenta Separation and Hemorrhage	4	0	1	0	5
P02.3	Placental Transfusion Syndromes	3	0	0	0	3
P02.4	Prolapsed Cord	0	0	1	0	1
P02.7	Chorioamnionitis	3	0	0	0	3
P03	Newborn Affected by Other Complications of Labor and Delivery	2	0	0	0	2
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	19	0	1	1	21
P05	Slow Fetal Growth and Fetal Malnutrition	1	0	1	0	2
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	18	0	0	1	19
P07.2	Extreme Immaturity	10	0	0	0	10
P07.3	Other Preterm Infants	8	0	0	1	9
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	8	1	2	0	11
P20	Intrauterine Hypoxia	1	0	0	0	1
P21	Birth Asphyxia	0	0	1	0	1
P22	Respiratory Distress of Newborn	4	0	0	0	4
P22.0	Respiratory Distress Syndrome	4	0	0	0	4
P24	Neonatal Aspiration Syndromes	0	0	1	0	1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	1	0	0	0	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	0	1	0	0	1

Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2012  
Table 30 (Cont'd)

ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500 Grams	1,500 - 2,499 Grams	2,500 Grams or More	Un-known	
P29	Cardiovascular Disorders Originating in the Perinatal Period	2	0	0	0	2
P29.0	Neonatal Cardiac Failure	2	0	0	0	2
P35-P39	Infections Specific to the Perinatal Period	3	0	0	0	3
P36	Bacterial Sepsis of Newborn	3	0	0	0	3
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	4	0	1	0	5
P52	Intracranial Nontraumatic Hemorrhage of Newborn	2	0	1	0	3
P60	Disseminated Intravascular Coagulation of Newborn	1	0	0	0	1
P61	Other Perinatal Hematological Disorders	1	0	0	0	1
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Newborn	0	0	1	0	1
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Newborn	0	0	1	0	1
P70.1	Syndrome of "Infant of a Diabetic Mother"	0	0	1	0	1
P75-P78	Digestive System Disorders of Newborn	5	0	0	0	5
P77	Necrotizing Enterocolitis of Newborn	4	0	0	0	4
P78	Other Perinatal Digestive System Disorders	1	0	0	0	1
P90-P96	Other Disorders Originating in the Perinatal Period	0	0	1	0	1
P96	Other Conditions Originating in the Perinatal Period	0	0	1	0	1
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	11	7	16	1	35
Q00-Q07	Congenital Malformations of the Nervous System	2	0	2	0	4
Q00	Anencephaly and Similar Malformations	1	0	0	0	1
Q04	Other Congenital Malformations of Brain	1	0	2	0	3
Q20-Q28	Congenital Malformations of the Circulatory System	2	4	6	0	12
Q20	Congenital Malformations of Cardiac Chambers and Connections	1	0	0	0	1
Q21	Congenital Malformations of Cardiac Septa	0	2	0	0	2
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	0	1	0	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	0	2	0	2
Q24	Other Congenital Malformations of the Heart	1	1	1	0	3
Q25	Congenital Malformations of Great Arteries	0	1	1	0	2
Q26	Congenital Malformations of Great Veins	0	0	1	0	1
Q50-Q56	Congenital Malformations of Genital Organs	0	0	1	0	1
Q56	Indeterminate Sex and Pseudohermaphroditism	0	0	1	0	1
Q60-Q64	Congenital Malformations of the Urinary System	1	2	1	0	4
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	1	0	0	2
Q61	Cystic Kidney Disease	0	1	1	0	2
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	0	2	0	2
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	0	0	1	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	0	1	0	1
Q80-Q89	Other Congenital Malformations	2	0	1	1	4
Q87	Other Specified Congenital Malformation Syndromes Affecting Multiple Systems	0	0	1	0	1
Q89	Other Congenital Malformations, Not Elsewhere Classified	2	0	0	1	3
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	4	1	3	0	8
Q90	Down's Syndrome	1	0	1	0	2
Q91	Edwards' Syndrome and Patau's Syndrome	2	1	1	0	4
Q93	Monosomies and Deletions from the Autosomes, Not Elsewhere Classified	1	0	0	0	1
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	0	0	1	0	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	3	4	19	0	26
R95-R99	Ill-Defined and Unknown Causes of Mortality	3	4	19	0	26
R95	Sudden Infant Death Syndrome	2	4	14	0	20
R99	Other Ill-Defined and Unspecified Causes of Mortality	1	0	5	0	6
V01-Y98	External Causes of Morbidity and Mortality	1	1	4	0	6
W00-X59	Other External Causes of Accidental Injury	1	0	3	0	4
W00-W19	Falls	0	0	1	0	1
W19	Unspecified Fall	0	0	1	0	1
W20-W49	Exposure to Inanimate Mechanical Forces	1	0	0	0	1
W33	Rifle, Shotgun and Larger Firearm Discharge	1	0	0	0	1
W75-W84	Other Accidental Threats to Breathing	0	0	2	0	2
W76	Other Accidental Hanging and Strangulation	0	0	1	0	1
W84	Unspecified Threat to Breathing	0	0	1	0	1
X85-Y09	Assault	0	0	1	0	1
Y09	Assault by Unspecified Means	0	0	1	0	1
Y10-Y34	Event of Undetermined Intent	0	1	0	0	1
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	0	1	0	0	1

# Births and Infant Deaths by Selected Risk Factors and Demographics West Virginia Residents, 2012

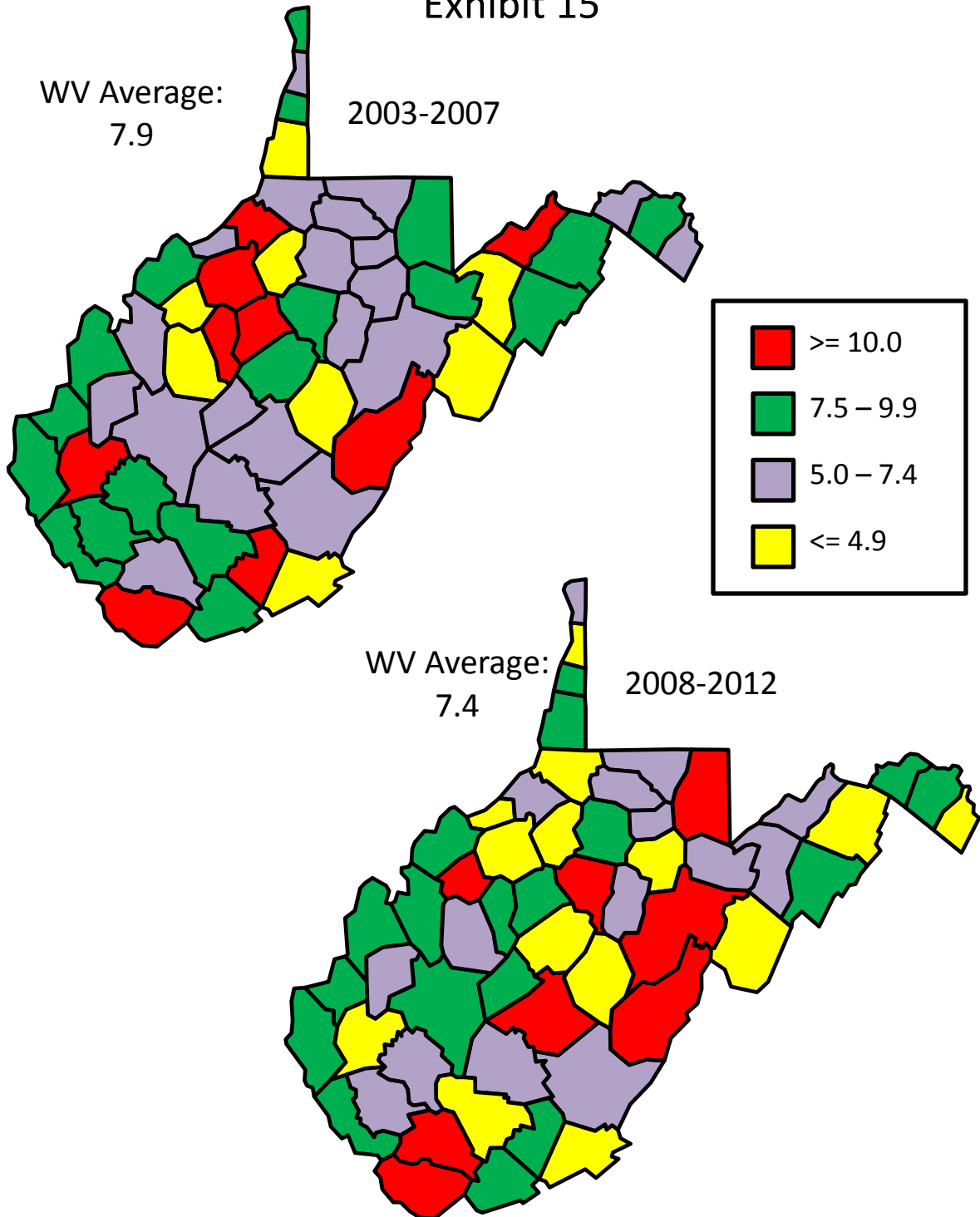
Table 31

Factor	Births		Infant Deaths	
	Number	Percent	Number	Percent
Total	20,813		152	
Birthweight < 2,500 Grams	1,917	9.2%	95	62.5%
Birthweight < 1,500 Grams	315	1.5%	78	51.3%
Gestational Age < 37 Weeks	2,226	10.7%	92	70.8%
Gestational Age 37-38 Weeks	5,606	27.0%	24	18.5%
Gestational Age 39+ Weeks	12,966	62.4%	33	25.4%
Age of Mother < 20 Years	2,412	11.6%	23	15.1%
Age of Mother < 15 Years	24	0.1%	1	0.7%
Unmarried Mothers	9,300	44.7%	75	49.3%
Mothers Using Tobacco	5,481	26.4%	49	32.2%
Mothers Using Alcohol	65	0.3%	0	0.0%
White or Caucasian Mothers	19,666	94.8%	142	94.7%
Black or African American Mothers	767	3.7%	7	4.7%
Mothers of Other Races	314	1.5%	1	0.7%
Mothers of Unknown Race	66		2	

Percentages are calculated excluding unknown numbers.

# Resident Infant Death Rates by County West Virginia, 2003-2007 and 2008-2012

## Exhibit 15



Causes of Resident Fetal Deaths  
West Virginia, 2008-2012  
Table 32

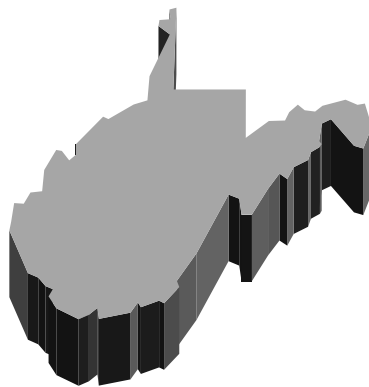
ICDA 10 Code	Cause of Death	2008	2009	2010	2011	2012
A00-Z99*	Total Deaths, All Causes	94	121	83	90	88
C00-D48	Neoplasms	0	2	0	1	0
D10-D36	Benign Neoplasms	0	2	0	1	0
D18	Hemangioma and Lymphangioma, Any Site	0	2	0	1	0
P00-P96	Certain Conditions Originating in the Perinatal Period	84	112	76	83	84
P00-P04	Fetus Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	51	56	48	51	45
P00	Fetus Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	6	5	6	3	4
P00.0	Maternal Hypertensive Disorders	4	3	6	3	2
P00.5	Maternal Injury	1	1	0	0	2
P00.8	Other Maternal Conditions	1	1	0	0	0
P01	Fetus Affected by Maternal Complications of Pregnancy	9	10	10	8	10
P01.0	Incompetent Cervix	4	4	2	2	1
P01.1	Premature Rupture of Membranes	3	4	5	2	7
P01.2	Oligohydramnios	1	0	2	0	2
P01.3	Polyhydramnios	1	0	0	0	0
P01.5	Multiple Pregnancy	0	2	1	4	0
P02	Fetus Affected by Complications of Placenta, Cord and Membranes	35	36	28	39	30
P02.0	Placenta Previa	1	0	0	0	0
P02.1	Other Forms of Placenta Separation and Hemorrhage	14	10	11	10	10
P02.2	Other and Unspecified Morphological and Functional Abnormalities of Placenta	4	3	2	0	3
P02.4	Prolapsed Cord	0	0	0	0	2
P02.5	Other Compression of Umbilical Cord	16	23	12	26	9
P02.6	Other and Unspecified Conditions of Umbilical Cord	0	0	0	1	2
P02.7	Chorioamnionitis	0	0	3	1	4
P02.9	Abnormality of Membranes, Unspecified	0	0	0	1	0
P03	Fetus Affected by Other Complications of Labor and Delivery	1	4	3	1	0
P04	Fetus Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	0	1	1	0	1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	6	7	5	1	6
P05	Slow Fetal Growth and Fetal Malnutrition	0	0	1	0	0
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	6	7	4	1	6
P07.2	Extreme Immaturity	2	4	2	0	4
P07.3	Other Preterm Infants	4	3	2	1	2
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	5	5	2	1	2
P20	Intrauterine Hypoxia	0	1	0	0	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	1	1	0	0	0
P29	Cardiovascular Disorders Originating in the Perinatal Period	4	3	2	1	1
P29.0	Neonatal Cardiac Failure	2	1	2	0	0
P29.1	Neonatal Cardiac Dysrhythmia	2	2	0	1	1
P35-P39	Infections Specific to the Perinatal Period	0	1	0	0	0
P39	Other Infections Specific to the Perinatal Period	0	1	0	0	0
P50-P61	Hemorrhagic and Hematological Disorders of Fetus	0	0	0	0	1
P50	Fetal Blood Loss	0	0	0	0	1

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Causes of Resident Fetal Deaths  
West Virginia, 2008-2012  
Table 32 (Cont'd)

ICDA 10 Code	Cause of Death	2008	2009	2010	2011	2012
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus	2	2	1	3	2
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Fetus	2	2	1	3	2
P70.0	Syndrome of "Infant of Mother with Gestational Diabetes"	1	1	1	2	2
P70.1	Syndrome of "Infant of a Diabetic Mother"	1	1	0	1	0
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus	1	2	1	0	0
P83	Other Conditions of Integument Specific to Fetus	1	2	1	0	0
P90-P96	Other Disorders Originating in the Perinatal Period	19	39	19	27	28
P96	Other Conditions Originating in the Perinatal Period	19	39	19	27	28
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	10	6	7	6	4
Q00-Q07	Congenital Malformations of the Nervous System	4	0	1	0	0
Q00	Anencephaly and Similar Malformations	3	0	0	0	0
Q04	Other Congenital Malformations of Brain	1	0	0	0	0
Q07	Other Congenital Malformations of Nervous System	0	0	1	0	0
Q20-Q28	Congenital Malformations of the Circulatory System	2	1	1	0	1
Q24	Other Congenital Malformations of the Heart	2	1	1	0	0
Q27	Other Congenital Malformations of Peripheral Vascular System	0	0	0	0	1
Q38-Q45	Other Congenital Malformations of the Digestive System	0	0	0	0	1
Q43	Other Congenital Malformations of Intestine	0	0	0	0	1
Q60-Q64	Congenital Malformations of the Urinary System	0	1	0	1	1
Q60	Renal Agenesis and Other Reduction Defects of Kidney	0	0	0	1	1
Q64	Other Congenital Malformations of Urinary System	0	1	0	0	0
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	2	0	2	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	2	0	2	0	1
Q80-Q89	Other Congenital Malformations	2	2	2	0	0
Q89	Other Congenital Malformations, Not Elsewhere Classified	2	2	2	0	0
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	2	1	5	0
Q91	Edwards' Syndrome and Patau's Syndrome	0	0	1	5	0
Q96	Turner's Syndrome	0	1	0	0	0
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	0	1	0	0	0
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	1	0	0	0
R95-R99	Ill-Defined and Unknown Causes of Mortality	0	1	0	0	0
R96	Other Sudden Death, Cause Unknown	0	1	0	0	0

West Virginia Bureau for Public Health  
Health Statistics Center, 2015



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





## Induced Terminations of Pregnancy (ITOP) Summary

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

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

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

West Virginia legal code requires clinics to provide counseling and informational guidance to females seeking an abortion. All but one of the 2012 ITOP records indicate the female did in fact receive counseling, compared to all but two in 2011. There are some isolated incidents where the abortion needs to be informed due to a medical emergency. In 2012, there was one ITOP performed due to a medical emergency compared to two in 2011.

In 2012, there were 1,828 ITOPs performed in West Virginia, nine or 0.5% less than in 2011 (1,837). Nearly seven out of every eight (86.4%) ITOPs involved a West Virginia resident, while 6.3% were Kentucky residents and 6.2% were residents of Ohio, compared with 2011 percentages of 88.5%, 6.0% and 4.8%, respectively. The median age of women having an ITOP in 2012 was 25, same as 2011. There were 76 procedures in 2012 involving females under the age of 18, of which 72 were performed on unemancipated\*minors, compared with 91 in 2011, of which 89 were performed on unemancipated minors. Four out of every five (81.0%) of the 2012 ITOPs performed in West Virginia involved women who were not married at the time. Over one-third (35.7%) of the 2012 ITOPs involved women who had never had a previous live birth, while 89.4% were to women who had two or fewer children. There were six ITOPs performed on a woman who had six or more children. More than three out of every five (64.3%) involved women for whom it was their first ITOP, while nearly all (95.6%) involved women who had two or fewer previous ITOPs. Eight ITOPs were performed upon women who previously had six or more ITOPs.

\*For the purpose of ITOP reporting, unemancipated minor means any person under the age of 18 years who has not graduated from high school and is neither married nor who has been otherwise emancipated.

Induced Terminations of Pregnancy  
By Age of Female and Weeks of Gestation  
West Virginia Occurrences, 2012

Table 33

Age of Female	Weeks of Gestation							Total
	Less than 9	9-10	11-12	13-15	16-19	20 or More	Unknown	
10-14	6	1	1	0	0	0	0	8
15-17	35	13	11	6	3	0	0	68
18-19	80	30	27	15	5	0	0	157
20-24	399	116	105	34	11	3	0	668
25-29	255	70	75	24	16	1	0	441
30-34	185	51	33	14	13	0	0	296
35-39	92	18	22	10	1	0	0	143
40-44	35	3	5	1	0	0	0	44
45+	2	0	1	0	0	0	0	3
Unknown	0	0	0	0	0	0	0	0
Total	1,089	302	280	104	49	4	0	1,828

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, 2012

Table 34

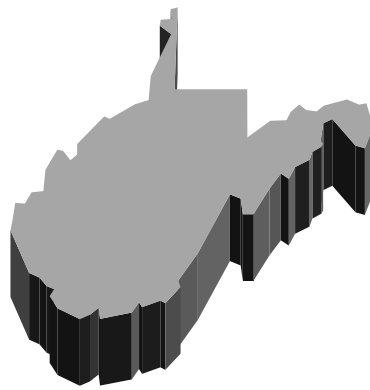
Age of Female	Marital Status						Total
	Married	Never Married	Divorced	Separated	Widowed	Unknown	
10-14	0	8	0	0	0	0	8
15-17	0	68	0	0	0	0	68
18-19	3	152	0	2	0	0	157
20-24	58	572	17	20	0	1	668
25-29	72	319	33	16	1	0	441
30-34	81	161	30	23	1	0	296
35-39	44	59	32	8	0	0	143
40-44	17	18	7	2	0	0	44
45+	0	1	0	2	0	0	3
Unknown	0	0	0	0	0	0	0
Total	275	1,358	119	73	2	1	1,828

Induced Terminations of Pregnancy  
By Age of Female and Previous Live Births  
West Virginia Occurrences, 2012  
Table 35

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	66	2	0	0	0	0	68
18-19	98	50	8	1	0	0	157
20-24	304	224	110	21	9	0	668
25-29	106	161	120	34	20	0	441
30-34	42	86	97	49	21	1	296
35-39	24	41	54	16	8	0	143
40-44	5	7	20	8	4	0	44
45+	0	0	1	0	2	0	3
Unknown	0	0	0	0	0	0	0
Total	653	571	410	129	64	1	1,828

Previous Induced Terminations of Pregnancy  
By Age of Female  
West Virginia Occurrences, 2012  
Table 36

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	64	3	1	0	0	0	68
18-19	138	18	0	1	0	0	157
20-24	463	152	40	8	5	0	668
25-29	252	127	38	15	9	0	441
30-34	151	83	40	14	8	0	296
35-39	76	35	16	9	7	0	143
40-44	22	14	4	3	1	0	44
45+	2	1	0	0	0	0	3
Unknown	0	0	0	0	0	0	0
Total	1,176	433	139	50	30	0	1,828



West Virginia Vital Statistics  
**Marriages & Divorces**



## Marriages

The number of marriages in West Virginia decreased for the first time since 2009, from 13,271 in 2011 to 12,996 in 2012. The marriage rate in 2012 was 7.0 per 1,000 population, lower than the 2011 rate of 7.2. The 2012 U.S. provisional rate was 6.8 per 1,000 population.

For all marriages in 2012, the median age was 28 for brides and 31 for grooms. The mode (most frequently reported age) for all marriages was 22 for brides and 24 for grooms. There were 118 brides and 22 grooms aged less than 18. There were 197 brides and 375 grooms age 65 or older. Also in 2012, there were 204 marriages in which the groom was 20 years or more older than the bride, while there were 13 marriages in which the bride was at least 20 years older.

For first marriages, the median age for brides was 24; for grooms it was 26. The mode for first marriages in West Virginia was 22 for brides and 24 for grooms. All of West Virginia's brides and grooms less than 18 years of age were in their first marriage. There were no brides and ten grooms age 65 or older for which it was a first marriage.

## Divorces and Annulments

The number of divorces and annulments decreased by 688 or 7.2%, from 9,620 in 2011 to 8,932 in 2012. The 2012 rate of 4.8 per 1,000 population was lower than the 2011 rate of 5.2.

Of the 8,932 divorces in West Virginia in 2012, the median duration of marriage was seven years. More than one out of every five (21.1%) West Virginia divorces with a known duration in 2012 involved marriages lasting only two years or less; 7.6% involved marriages of 25 years or longer. There were eight divorces involving a wife aged less than 18 and there were seven husbands under age 18. During 2012, 129 divorces involved a wife aged 65 or older and 230 involved a husband in the age group.

More than one-half (53.4%) of the divorces involved no children under 18 years of age in the family, while one child was involved in 22.4% of all divorces and two children were involved in 17.5%. Five divorces involved six or more children.

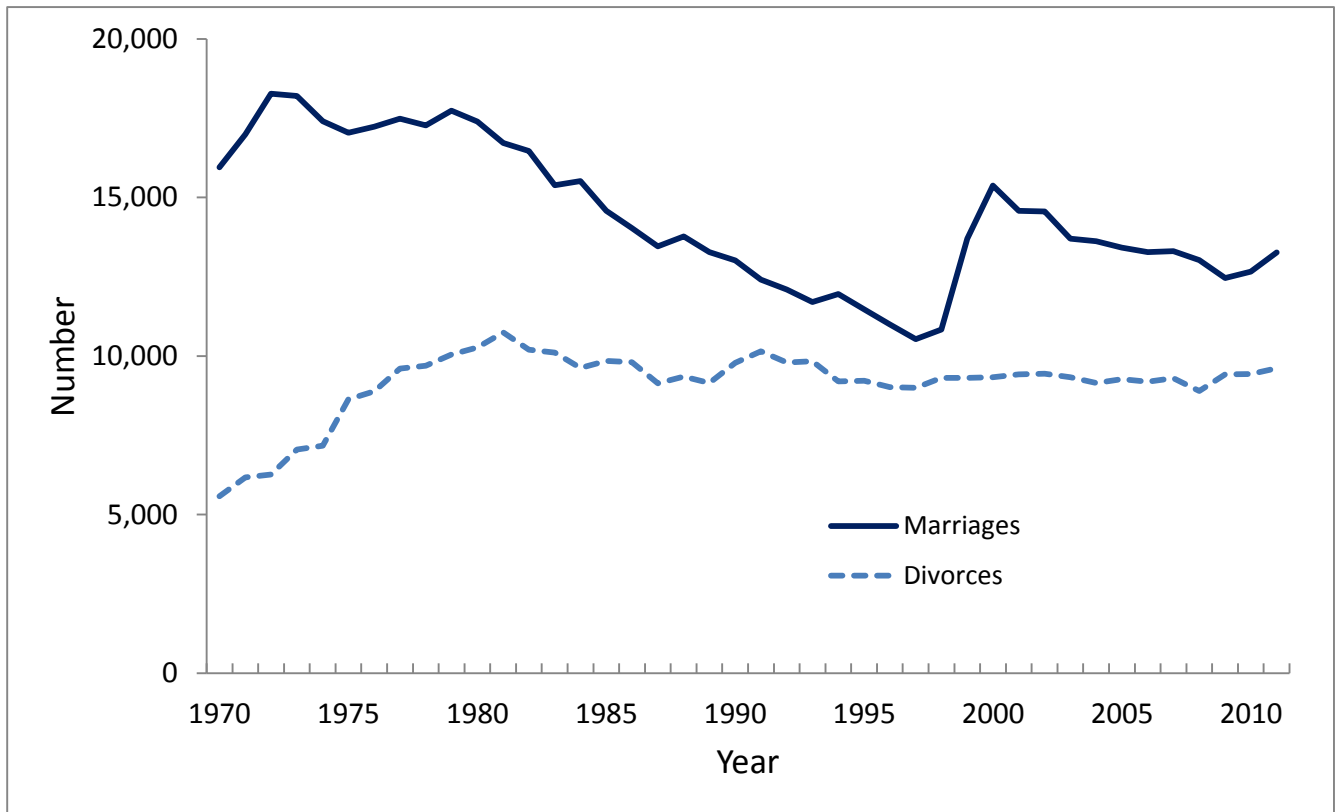
## Note Regarding Marriage and Divorce/Annulment Statistics

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





## Marriages and Divorces West Virginia, 1970-2012 Exhibit 16



Year	Marriages	Divorces and Annulments
1970	15,948	5,584
1975	17,041	8,632
1980	17,391	10,273
1985	14,580	9,851
1990	13,012	9,783
1995	11,472	9,219
2000	15,375	9,336
2005	13,423	9,269
2006	13,276	9,191
2007	13,308	9,305
2008	13,025	8,903
2009	12,463	9,420
2010	12,662	9,431
2011	13,271	9,620
2012	12,996	8,932

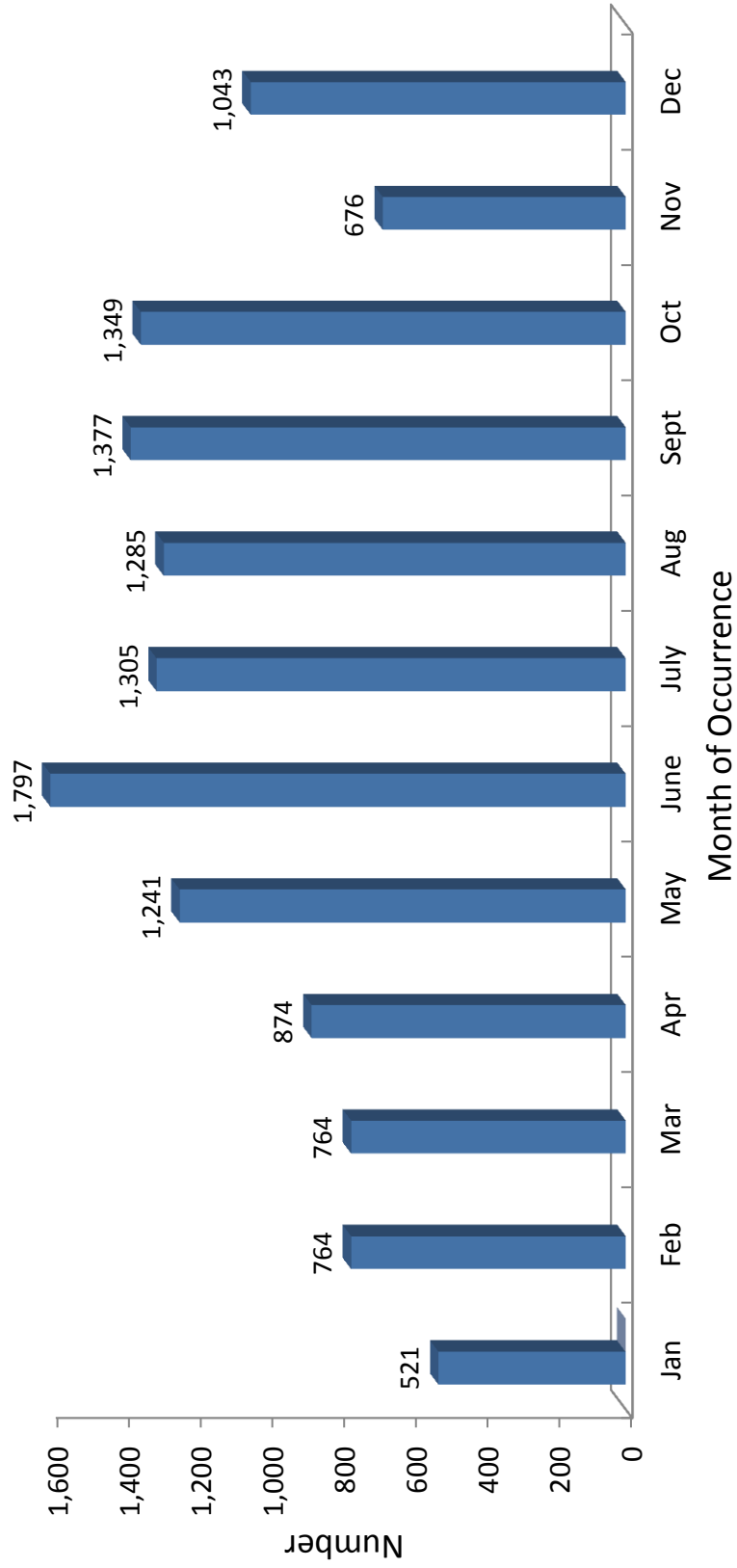
Marriages by Age of Bride and Groom  
West Virginia, 2012  
Table 37

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	303	569	109	26	7	4	3	0	0	0	0	1,021
20-24 Years	0	97	1,720	1,046	308	106	39	12	5	0	1	0	3,334
25-29 Years	0	10	304	1,336	663	262	104	45	12	9	8	0	2,753
30-34 Years	0	8	78	280	632	449	221	72	26	17	7	0	1,790
35-39 Years	0	0	17	73	195	365	281	136	58	27	11	0	1,163
40-44 Years	0	0	5	27	67	137	316	206	117	60	26	0	961
45-49 Years	0	0	1	7	11	48	144	230	159	91	52	0	743
50-54 Years	0	0	1	0	5	12	30	82	145	141	95	0	511
55-59 Years	0	1	0	0	2	4	7	21	56	81	153	0	325
60 Years & Over	0	0	0	0	0	1	4	8	17	51	311	0	392
Unknown	0	0	1	0	0	2	0	0	0	0	0	0	3
Total	0	419	2,696	2,878	1,909	1,393	1,150	815	595	477	664	0	12,996

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, 2015

# Marriages by Month of Occurrence West Virginia, 2012 Exhibit 17



West Virginia Bureau for Public Health  
Health Statistics Center, 2015

**Marriages by Previous Marital Status  
West Virginia, 2012  
Table 38**

Bride	Groom					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,976	34	1,450	4	3	7,467
Widowed	74	151	267	1	1	494
Divorced	1,409	246	3,348	9	0	5,012
Annulled	5	1	6	4	0	16
Not Stated	5	0	1	0	1	7
<b>Total</b>	<b>7,469</b>	<b>432</b>	<b>5,072</b>	<b>18</b>	<b>5</b>	<b>12,996</b>

**Marriages by Number of Previous Marriages  
West Virginia, 2012  
Table 39**

Bride	Groom					Total
	Never Previously Married	One Previous Marriage	Two Previous Marriages	Three Previous Marriages	Four or More Previous Marriages	
Never Previously Married	5,976	1,224	214	44	7	7,467
One Previous Marriage	1,209	1,768	558	138	39	3,713
Two Previous Marriages	220	632	340	94	22	1,310
Three Previous Marriages	41	162	95	37	10	345
Four or More Previous Marriages	18	63	39	18	14	152
Not Stated	5	2	0	0	0	9
<b>Total</b>	<b>7,469</b>	<b>3,851</b>	<b>1,246</b>	<b>331</b>	<b>92</b>	<b>12,996</b>

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Divorces and Annulments by Age of Husband and Wife  
West Virginia, 2012  
Table 40

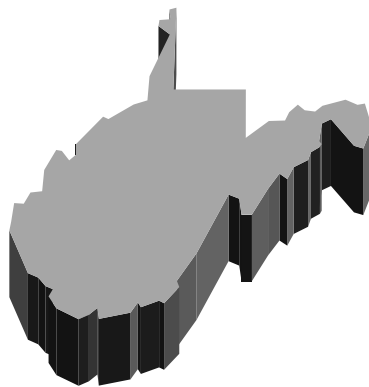
Age of Wife	Age of Husband											Total	
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 Years & Over		Un-known
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	15	67	13	5	0	1	1	0	0	1	0	103
20-24 Years	0	13	404	361	100	32	14	4	6	1	0	9	944
25-29 Years	0	2	78	547	503	162	53	18	6	6	0	23	1,398
30-34 Years	0	1	26	141	590	435	173	51	26	5	3	10	1,461
35-39 Years	0	0	6	28	169	529	392	160	56	16	11	20	1,387
40-44 Years	0	0	1	15	55	153	443	308	105	48	24	15	1,167
45-49 Years	0	0	0	3	13	45	122	317	228	102	48	14	892
50-54 Years	0	0	1	1	4	21	32	96	194	138	71	9	567
55-59 Years	0	0	0	1	2	6	10	30	63	104	134	5	355
60 Years & Over	0	0	0	0	4	2	4	7	23	51	222	7	320
Unknown	0	0	4	16	23	23	24	19	13	9	13	194	338
Total	0	31	587	1,126	1,468	1,408	1,268	1,011	720	480	527	306	8,932

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Divorces and Annulments by Duration of Marriage and Number of Children  
West Virginia, 2012  
Table 41

Duration of Marriage in Years	Number of Children Reported Under 18 Years of Age							Total	
	None	One	Two	Three	Four	Five	Six or More		Un-known
Under 1 Year	361	39	15	3	0	0	0	0	418
1 to 4 Years	1,743	719	289	36	5	1	1	0	2,794
5 to 9 Years	997	522	467	138	31	2	1	1	2,159
10 to 14 Years	524	290	381	144	39	8	2	0	1,388
15 to 19 Years	265	199	286	117	30	5	1	0	903
20 to 24 Years	286	143	99	29	2	1	0	0	560
25 to 29 Years	265	58	17	2	1	0	0	0	343
30 to 34 Years	131	11	5	0	0	0	0	0	147
35 to 39 Years	102	7	1	0	1	0	0	0	111
40 to 44 Years	44	1	0	0	0	0	0	0	45
45 to 49 Years	20	1	0	1	0	0	0	0	22
50 to 54 Years	5	0	0	0	0	0	0	0	5
55 to 59 Years	3	0	0	0	0	0	0	0	3
60 Years & Over	3	0	0	0	0	0	0	0	3
Unknown	16	8	6	1	0	0	0	0	31
Total	4,765	1,998	1,566	471	109	17	5	1	8,932

West Virginia Bureau for Public Health  
Health Statistics Center, 2015



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





## County and City Summary

Beginning with the *West Virginia Vital Statistics 2008* report, the Health Statistics Center began separating county statistics from the state totals. Although the tables have been rearranged from previous publications, the same information is presented. The birth section is followed by information on deaths (including infant and fetal) and then marriages and divorces. Practically all of ITOP data is collected from two clinics, both in Kanawha County, and is reported as occurrence data. ITOP statistics displayed at the county or city level would be meaningless and misleading.

*West Virginia Vital Statistics 2007* expanded the number of cities for which data were presented. Before then, data were included for the 15 cities in the state that had populations of 10,000 or more. Because some cities have dropped below that mark in the past decade or more, it was then decided to include data for the state's 25 most populated cities, regardless of the size of the population. It has now increased to the 30 most populated cities beginning with the 2010 edition.



Number of Births by County of Residence and Occurrence  
 Birth Rates by County of Residence  
 West Virginia, 2012  
 Table 42

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate per 1,000 Population*			Number	Rate per 1,000 Population*	
Barbour	191	11.6	0	Monongalia	1,017	10.1	2,395
Berkeley	1,402	13.1	942	Monroe	149	11.1	5
Boone	255	10.4	0	Morgan	132	7.6	2
Braxton	169	11.7	3	Nicholas	310	11.8	290
Brooke	185	7.8	409	Ohio	510	11.6	1,484
Cabell	1,236	12.7	3,058	Pendleton	70	9.3	3
Calhoun	69	9.1	1	Pleasants	75	9.9	0
Clay	117	12.6	0	Pocahontas	83	9.5	5
Doddridge	73	8.9	2	Preston	334	9.9	4
Fayette	531	11.6	4	Putnam	578	10.2	13
Gilmer	63	7.2	1	Raleigh	1,000	12.7	1,435
Grant	111	9.4	245	Randolph	332	11.3	372
Greenbrier	416	11.6	643	Ritchie	91	8.9	0
Hampshire	223	9.4	1	Roane	172	11.7	2
Hancock	300	9.9	0	Summers	117	8.5	1
Hardy	147	10.6	0	Taylor	189	11.1	0
Harrison	794	11.5	964	Tucker	60	8.6	0
Jackson	326	11.2	0	Tyler	97	10.7	2
Jefferson	580	10.6	286	Upshur	291	11.9	298
Kanawha	2,222	11.6	3,907	Wayne	432	10.4	3
Lewis	192	11.7	298	Webster	103	11.4	0
Lincoln	267	12.3	0	Wetzel	165	10.0	1
Logan	433	12.0	303	Wirt	61	10.4	1
McDowell	286	13.4	66	Wood	895	10.3	1,575
Marion	630	11.1	373	Wyoming	235	10.1	0
Marshall	359	11.0	136				
Mason	287	10.6	191				
Mercer	793	12.7	1,321	Total	20,813	11.2	21,154
Mineral	300	10.7	6				
Mingo	358	13.7	103				

\*Rates are calculated per 1,000 population. 2012 population estimates are from the U.S. Bureau of the Census.

Number of Births by County of Residence  
West Virginia, 2008-2012

Table 43

County	2008	2009	2010	2011	2012	County	2008	2009	2010	2011	2012
Barbour	174	171	152	183	191	Monongalia	921	927	974	1,050	1,017
Berkeley	1,434	1,352	1,282	1,354	1,402	Monroe	150	132	133	141	149
Boone	353	327	307	306	255	Morgan	160	162	131	157	132
Braxton	148	160	162	154	169	Nicholas	311	332	291	301	310
Brooke	223	208	202	181	185	Ohio	464	508	472	456	510
Cabell	1,259	1,263	1,143	1,214	1,236	Pendleton	74	97	70	85	70
Calhoun	77	92	84	90	69	Pleasants	77	64	56	51	75
Clay	142	132	132	115	117	Pocahontas	92	101	79	88	83
Doddridge	74	77	71	60	73	Preston	367	352	332	376	334
Fayette	568	606	567	589	531	Putnam	614	601	583	607	578
Gilmer	56	72	78	66	63	Raleigh	925	970	974	978	1,000
Grant	126	134	128	115	111	Randolph	326	293	283	303	332
Greenbrier	399	397	353	341	416	Ritchie	113	103	83	101	91
Hampshire	264	237	225	223	223	Roane	165	148	157	155	172
Hancock	331	293	289	310	300	Summers	116	123	107	131	117
Hardy	165	158	148	137	147	Taylor	161	198	179	177	189
Harrison	855	826	798	809	794	Tucker	66	69	68	64	60
Jackson	364	325	334	310	326	Tyler	75	100	80	90	97
Jefferson	688	627	602	634	580	Upshur	256	268	273	274	291
Kanawha	2,395	2,280	2,206	2,148	2,222	Wayne	460	410	366	383	432
Lewis	202	192	189	205	192	Webster	109	134	99	106	103
Lincoln	273	257	257	274	267	Wetzel	171	174	170	170	165
Logan	420	426	437	452	433	Wirt	62	40	67	52	61
McDowell	302	293	278	254	286	Wood	957	1,037	969	990	895
Marion	625	647	677	679	630	Wyoming	259	268	264	250	235
Marshall	330	329	323	285	359	Total	21,493	21,275	20,471	20,705	20,813
Mason	313	279	309	274	287						
Mercer	814	817	789	770	793						
Mineral	320	320	301	291	300						
Mingo	348	367	388	346	358						

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Number and Percent of Low Birthweight (LBW) Births  
By County of Residence  
West Virginia, 2012  
Table 44

County	Number of Births	Low Birthweight*	Percent LBW	County	Number of Births	Low Birthweight*	Percent LBW
Barbour	191	13	6.8%	Monongalia	1,017	81	8.0%
Berkeley	1,402	108	7.7%	Monroe	149	9	6.0%
Boone	255	33	13.0%	Morgan	132	9	6.9%
Braxton	169	14	8.3%	Nicholas	310	25	8.1%
Brooke	185	22	12.0%	Ohio	510	31	6.1%
Cabell	1,236	119	9.6%	Pendleton	70	3	4.3%
Calhoun	69	5	7.2%	Pleasants	75	5	6.7%
Clay	117	14	12.1%	Pocahontas	83	6	7.2%
Doddridge	73	5	6.8%	Preston	334	28	8.4%
Fayette	531	42	7.9%	Putnam	578	42	7.3%
Gilmer	63	5	7.9%	Raleigh	1,000	120	12.0%
Grant	111	12	10.8%	Randolph	332	28	8.4%
Greenbrier	416	24	5.8%	Ritchie	91	5	5.5%
Hampshire	223	26	11.7%	Roane	172	14	8.1%
Hancock	300	26	8.7%	Summers	117	13	11.1%
Hardy	147	17	11.6%	Taylor	189	16	8.5%
Harrison	794	74	9.3%	Tucker	60	8	13.3%
Jackson	326	27	8.3%	Tyler	97	10	10.3%
Jefferson	580	41	7.1%	Upshur	291	29	10.0%
Kanawha	2,222	201	9.0%	Wayne	432	48	11.1%
Lewis	192	25	13.0%	Webster	103	16	15.5%
Lincoln	267	24	9.0%	Wetzel	165	16	9.7%
Logan	433	45	10.4%	Wirt	61	3	4.9%
McDowell	286	43	15.0%	Wood	895	78	8.7%
Marion	630	52	8.3%	Wyoming	235	28	11.9%
Marshall	359	34	9.5%				
Mason	287	21	7.3%				
Mercer	793	116	14.6%	Total	20,813	1,917	9.2%
Mineral	300	21	7.0%				
Mingo	358	37	10.3%				

\* < 2,500 grams

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Age of Mother by County  
West Virginia Resident Births, 2012

Table 45

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	5	20	66	47	33	17	2	1	0	191
Berkeley	4	31	106	379	413	336	103	29	1	0	1,402
Boone	0	10	31	99	65	38	9	1	2	0	255
Braxton	0	7	12	66	49	14	18	3	0	0	169
Brooke	0	1	15	48	64	38	15	4	0	0	185
Cabell	2	39	98	344	351	269	113	19	1	0	1,236
Calhoun	0	4	4	19	30	6	4	1	1	0	69
Clay	0	4	11	54	27	12	8	0	1	0	117
Doddridge	0	4	11	23	17	11	3	4	0	0	73
Fayette	0	25	58	171	125	102	39	10	1	0	531
Gilmer	0	2	1	21	24	8	5	1	1	0	63
Grant	1	6	12	37	26	22	5	2	0	0	111
Greenbrier	0	8	39	130	113	83	36	6	1	0	416
Hampshire	0	10	21	77	52	47	15	1	0	0	223
Hancock	1	10	21	77	93	73	15	6	4	0	300
Hardy	0	2	20	46	37	26	10	6	0	0	147
Harrison	2	32	57	251	229	160	48	11	4	0	794
Jackson	1	6	17	111	114	54	20	3	0	0	326
Jefferson	0	8	33	117	179	151	71	17	4	0	580
Kanawha	3	66	181	645	646	471	171	32	7	0	2,222
Lewis	0	6	18	51	65	32	16	4	0	0	192
Lincoln	0	13	31	75	81	44	21	2	0	0	267
Logan	0	23	47	161	113	62	21	3	3	0	433
McDowell	0	24	37	102	72	35	14	1	1	0	286
Marion	2	9	53	188	184	136	51	4	3	0	630
Marshall	0	6	29	117	111	64	29	3	0	0	359
Mason	1	9	25	105	80	46	19	2	0	0	287
Mercer	1	39	91	267	212	117	45	19	2	0	793
Mineral	0	14	19	103	84	49	26	4	1	0	300
Mingo	0	18	40	140	81	61	13	2	3	0	358
Monongalia	0	13	44	219	325	303	96	14	3	0	1,017
Monroe	0	2	12	50	42	31	9	2	1	0	149
Morgan	1	1	10	39	39	22	15	5	0	0	132
Nicholas	0	4	22	101	89	63	23	6	2	0	310
Ohio	0	26	39	118	155	109	46	15	2	0	510
Pendleton	0	1	3	21	24	17	3	1	0	0	70
Pleasants	0	6	7	28	22	6	5	1	0	0	75
Pocahontas	0	3	6	19	30	18	5	2	0	0	83
Preston	1	4	26	112	93	72	25	0	1	0	334
Putnam	0	13	36	116	180	166	58	8	1	0	578
Raleigh	2	31	78	301	286	199	78	20	4	1	1,000
Randolph	0	8	35	110	85	59	28	7	0	0	332
Ritchie	0	2	11	28	25	20	4	1	0	0	91
Roane	0	5	23	65	40	28	11	0	0	0	172
Summers	0	5	8	45	30	17	10	1	1	0	117
Taylor	0	6	10	67	63	23	15	3	2	0	189
Tucker	0	3	5	18	17	12	4	0	1	0	60
Tyler	0	1	8	32	33	14	9	0	0	0	97
Upshur	0	16	28	104	75	50	14	3	1	0	291
Wayne	0	8	37	140	129	83	31	3	1	0	432
Webster	0	4	15	40	19	17	5	1	2	0	103
Wetzel	0	4	10	67	44	27	9	3	1	0	165
Wirt	0	3	4	23	17	8	6	0	0	0	61
Wood	2	23	89	274	291	149	51	12	4	0	895
Wyoming	0	9	22	81	59	42	16	2	4	0	235
<b>Total</b>	<b>24</b>	<b>642</b>	<b>1,746</b>	<b>6,308</b>	<b>5,996</b>	<b>4,155</b>	<b>1,556</b>	<b>312</b>	<b>73</b>	<b>1</b>	<b>20,813</b>

Mother's Marital Status and Method of Paternity Establishment for  
 Unmarried Mothers by County  
 West Virginia Occurrence Births, 2012  
 Table 46

County	Total Births	Mother's Marital Status		Mother Unmarried with Paternity Established		Mother Unmarried with Father Unknown
		Married*	Unmarried	Paternity Affidavit Accepted	Father Established by Other Methods	
Barbour	0	0	0	0	0	0
Berkeley	942	363	579	424	36	119
Boone	0	0	0	0	0	0
Braxton	3	3	0	0	0	0
Brooke	409	208	201	153	12	36
Cabell	3,058	1,755	1,303	859	111	333
Calhoun	1	1	0	0	0	0
Clay	0	0	0	0	0	0
Doddridge	2	2	0	0	0	0
Fayette	4	3	1	1	0	0
Gilmer	1	0	1	0	0	1
Grant	245	104	141	110	12	19
Greenbrier	643	324	319	248	33	38
Hampshire	1	1	0	0	0	0
Hancock	0	0	0	0	0	0
Hardy	0	0	0	0	0	0
Harrison	964	561	403	311	28	64
Jackson	0	0	0	0	0	0
Jefferson	286	120	166	126	11	29
Kanawha	3,907	2,221	1,686	1,213	185	288
Lewis	298	142	156	109	18	29
Lincoln	0	0	0	0	0	0
Logan	303	142	161	97	25	39
McDowell	66	23	43	23	11	9
Marion	373	173	200	144	13	43
Marshall	136	51	85	57	8	20
Mason	191	80	111	77	14	20
Mercer	1,321	736	585	358	89	138
Mineral	6	5	1	0	0	1
Mingo	103	42	61	38	6	17
Monongalia	2,395	1,562	833	608	56	169
Monroe	5	5	0	0	0	0
Morgan	2	2	0	0	0	0
Nicholas	290	152	138	83	23	32
Ohio	1,484	740	744	554	41	149
Pendleton	3	2	1	1	0	0
Pleasants	0	0	0	0	0	0
Pocahontas	5	5	0	0	0	0
Preston	4	2	2	2	0	0
Putnam	13	10	3	3	0	0
Raleigh	1,435	743	692	461	78	153
Randolph	372	192	180	141	8	31
Ritchie	0	0	0	0	0	0
Roane	2	1	1	0	1	0
Summers	1	1	0	0	0	0
Taylor	0	0	0	0	0	0
Tucker	0	0	0	0	0	0
Tyler	2	1	1	0	0	1
Upshur	298	186	112	73	13	26
Wayne	3	2	1	1	0	0
Webster	0	0	0	0	0	0
Wetzel	1	1	0	0	0	0
Wirt	1	1	0	0	0	0
Wood	1,575	841	734	530	57	147
Wyoming	0	0	0	0	0	0
Total	21,154	11,509	9,645	6,805	889	1,951

West Virginia Bureau for Public Health  
 Health Statistics Center, 2015

\*Includes 13 births with unknown marital status.

Births by Month by County  
West Virginia Residents, 2012  
Table 47

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	17	6	21	19	12	14	26	13	17	18	14	14	191
Berkeley	113	93	108	93	108	119	134	135	123	128	116	132	1,402
Boone	17	16	39	19	18	20	18	26	15	25	24	18	255
Braxton	6	18	17	16	10	10	15	17	16	17	10	17	169
Brooke	11	11	15	9	14	15	29	24	12	16	9	20	185
Cabell	92	99	102	97	88	96	118	116	102	121	108	97	1,236
Calhoun	7	1	5	9	6	4	9	6	6	8	4	4	69
Clay	13	8	4	7	11	9	9	16	9	9	10	12	117
Doddridge	6	7	6	6	7	6	3	9	5	5	7	6	73
Fayette	42	40	44	48	30	35	45	54	44	48	48	53	531
Gilmer	7	2	8	5	4	7	3	6	6	2	5	8	63
Grant	14	13	11	6	8	5	10	8	12	6	9	9	111
Greenbrier	26	25	33	54	38	37	39	31	40	33	39	21	416
Hampshire	26	16	16	22	18	17	24	23	11	15	17	18	223
Hancock	27	15	26	29	20	21	28	29	35	26	17	27	300
Hardy	11	10	7	14	15	13	15	12	12	10	13	15	147
Harrison	62	78	63	53	77	72	70	86	54	60	63	56	794
Jackson	31	28	24	28	24	23	26	33	25	35	22	27	326
Jefferson	36	49	52	52	53	40	57	43	44	57	48	49	580
Kanawha	176	172	182	180	192	191	187	199	211	212	162	158	2,222
Lewis	13	9	18	24	10	22	16	16	14	19	18	13	192
Lincoln	33	24	15	17	16	22	22	31	24	24	23	16	267
Logan	31	32	40	25	26	47	34	54	27	37	39	41	433
McDowell	25	14	28	18	24	24	26	27	29	24	29	18	286
Marion	62	49	56	38	56	53	52	68	48	47	55	46	630
Marshall	27	22	25	22	34	28	34	43	36	32	29	27	359
Mason	27	27	23	18	23	24	23	24	24	25	28	21	287
Mercer	69	45	58	81	62	80	67	61	72	67	64	67	793
Mineral	20	19	23	28	20	23	31	29	22	33	29	23	300
Mingo	33	26	22	31	29	28	25	36	35	29	31	33	358
Monongalia	81	82	89	87	91	89	88	91	67	94	84	74	1,017
Monroe	4	12	18	12	13	9	14	12	15	18	13	9	149
Morgan	6	15	11	12	7	8	11	23	8	8	17	6	132
Nicholas	29	19	30	24	24	24	27	33	27	33	26	14	310
Ohio	37	44	39	48	38	46	50	54	35	41	41	37	510
Pendleton	6	1	7	5	7	7	7	9	8	4	5	4	70
Pleasants	6	4	16	9	4	4	5	5	4	9	8	1	75
Pocahontas	4	4	9	12	3	12	9	9	3	5	3	10	83
Preston	32	34	35	21	24	28	28	22	29	27	28	26	334
Putnam	60	46	39	43	50	53	46	62	44	53	45	37	578
Raleigh	82	77	89	62	99	83	83	91	110	75	69	80	1,000
Randolph	22	21	24	21	40	32	27	42	23	24	28	28	332
Ritchie	9	12	7	12	4	7	7	6	6	8	7	6	91
Roane	13	16	14	19	14	21	17	12	11	15	12	8	172
Summers	13	5	5	7	13	14	7	10	12	14	9	8	117
Taylor	6	14	18	8	20	17	12	14	24	22	14	20	189
Tucker	5	3	5	3	4	4	5	8	9	8	5	1	60
Tyler	4	9	9	4	7	9	5	13	9	9	2	17	97
Upshur	21	20	27	18	26	16	30	28	31	22	23	29	291
Wayne	19	41	39	35	33	32	38	41	40	44	29	41	432
Webster	10	9	7	9	13	7	14	9	10	8	3	4	103
Wetzel	8	22	13	15	15	11	14	13	17	10	16	11	165
Wirt	7	2	3	5	9	5	4	3	6	6	5	6	61
Wood	66	62	65	67	67	76	85	79	99	80	72	77	895
Wyoming	17	24	22	20	18	22	24	18	17	18	14	21	235
Total	1,647	1,572	1,731	1,646	1,696	1,741	1,852	1,982	1,794	1,843	1,668	1,641	20,813



Place of Delivery, Gender of Child by Race and Marital Status of Mother by County  
West Virginia Resident Births, 2012

Table 48

County	Place of Delivery		White or Caucasian		Black or African American		All Other Races		Number of Births to Unmarried Mothers	Total
	Hospital*	Non-Hospital**	Male	Female	Male	Female	Male	Female		
Barbour	191	0	94	93	1	1	2	0	92	191
Berkeley	1,388	14	645	611	54	47	21	19	654	1,402
Boone	254	1	125	128	1	1	0	0	120	255
Braxton	167	2	77	90	0	0	1	0	77	169
Brooke	184	1	80	99	1	2	2	1	85	185
Cabell	1,230	6	568	579	37	30	10	10	555	1,236
Calhoun	68	1	40	29	0	0	0	0	24	69
Clay	117	0	63	53	0	0	0	0	53	117
Doddridge	71	2	39	34	0	0	0	0	29	73
Fayette	526	5	238	264	15	9	1	3	269	531
Gilmer	62	1	33	30	0	0	0	0	24	63
Grant	110	1	62	46	0	1	0	0	57	111
Greenbrier	406	10	197	207	2	4	6	0	193	416
Hampshire	222	1	101	114	2	4	1	1	108	223
Hancock	299	1	148	133	9	3	1	3	147	300
Hardy	147	0	66	72	2	1	5	0	68	147
Harrison	791	3	402	373	5	7	4	2	338	794
Jackson	326	0	170	151	1	2	0	2	131	326
Jefferson	572	8	255	270	9	22	8	14	237	580
Kanawha	2,206	16	1,037	950	98	94	19	16	1,070	2,222
Lewis	190	2	90	99	1	0	1	0	88	192
Lincoln	266	1	114	150	1	0	1	0	132	267
Logan	433	0	208	220	1	3	0	0	196	433
McDowell	286	0	136	128	8	6	5	2	146	286
Marion	630	0	300	298	11	11	4	6	260	630
Marshall	357	2	192	163	1	0	0	1	195	359
Mason	283	4	140	141	2	0	0	2	127	287
Mercer	791	2	362	349	38	27	3	7	403	793
Mineral	296	4	153	139	4	3	0	1	124	300
Mingo	358	0	188	161	3	3	1	1	162	358
Monongalia	1,012	5	465	451	24	18	33	24	318	1,017
Monroe	145	4	88	61	0	0	0	0	62	149
Morgan	130	2	59	72	0	0	1	0	66	132
Nicholas	309	1	165	142	0	0	1	0	106	310
Ohio	508	2	230	238	11	15	7	6	261	510
Pendleton	66	4	30	37	0	2	0	1	21	70
Pleasants	75	0	35	39	0	0	1	0	31	75
Pocahontas	78	5	47	32	0	4	0	0	43	83
Preston	332	2	167	165	1	0	0	1	148	334
Putnam	572	6	287	276	0	1	6	6	169	578
Raleigh	991	9	482	423	38	39	5	7	420	1,000
Randolph	332	0	149	177	2	2	1	1	157	332
Ritchie	91	0	43	48	0	0	0	0	48	91
Roane	172	0	74	97	0	0	1	0	78	172
Summers	116	1	50	61	0	4	2	0	48	117
Taylor	189	0	97	91	0	0	1	0	77	189
Tucker	60	0	26	33	0	0	0	1	21	60
Tyler	95	2	56	41	0	0	0	0	38	97
Upshur	288	3	139	148	0	0	2	2	138	291
Wayne	429	3	202	225	0	2	0	2	174	432
Webster	103	0	48	50	1	1	0	0	53	103
Wetzel	163	2	80	83	0	0	1	0	84	165
Wirt	60	1	29	32	0	0	0	0	30	61
Wood	894	1	445	421	5	8	9	4	449	895
Wyoming	235	0	118	115	0	1	0	1	96	235
Total	20,672	141	9,934	9,732	389	378	167	147	9,300	20,813

West Virginia Bureau for Public Health  
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\*Includes hospitals, en route to hospital and birthing centers.

\*\*Includes 12 unknown.

NOTE: Does NOT include 66 births with mother's unknown race.

Trimester Prenatal Care Began by County  
West Virginia Resident Births, 2012

Table 49

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown	Total
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	165	86.8%	20	10.5%	4	2.1%	1	0.5%	1	191
Berkeley	1,212	87.6%	140	10.1%	21	1.5%	10	0.7%	19	1,402
Boone	201	80.1%	37	14.7%	12	4.8%	1	0.4%	4	255
Braxton	135	81.3%	29	17.5%	2	1.2%	0	0.0%	3	169
Brooke	133	75.1%	42	23.7%	2	1.1%	0	0.0%	8	185
Cabell	1,022	82.9%	179	14.5%	26	2.1%	6	0.5%	3	1,236
Calhoun	63	94.0%	3	4.5%	1	1.5%	0	0.0%	2	69
Clay	99	84.6%	14	12.0%	3	2.6%	1	0.9%	0	117
Doddridge	65	89.0%	7	9.6%	0	0.0%	1	1.4%	0	73
Fayette	408	78.0%	83	15.9%	28	5.4%	4	0.8%	8	531
Gilmer	54	88.5%	5	8.2%	2	3.3%	0	0.0%	2	63
Grant	88	80.7%	18	16.5%	2	1.8%	1	0.9%	2	111
Greenbrier	362	88.7%	34	8.3%	8	2.0%	4	1.0%	8	416
Hampshire	195	88.2%	21	9.5%	4	1.8%	1	0.5%	2	223
Hancock	223	76.9%	52	17.9%	10	3.4%	5	1.7%	10	300
Hardy	113	76.9%	30	20.4%	4	2.7%	0	0.0%	0	147
Harrison	727	91.8%	60	7.6%	4	0.5%	1	0.1%	2	794
Jackson	288	88.3%	31	9.5%	7	2.1%	0	0.0%	0	326
Jefferson	520	91.9%	32	5.7%	9	1.6%	5	0.9%	14	580
Kanawha	1,812	81.7%	313	14.1%	76	3.4%	18	0.8%	3	2,222
Lewis	177	92.2%	13	6.8%	1	0.5%	1	0.5%	0	192
Lincoln	212	80.0%	41	15.5%	7	2.6%	5	1.9%	2	267
Logan	278	68.3%	101	24.8%	27	6.6%	1	0.2%	26	433
McDowell	189	67.3%	72	25.6%	15	5.3%	5	1.8%	5	286
Marion	508	80.8%	110	17.5%	8	1.3%	3	0.5%	1	630
Marshall	305	86.2%	43	12.1%	6	1.7%	0	0.0%	5	359
Mason	223	79.4%	46	16.4%	11	3.9%	1	0.4%	6	287
Mercer	604	76.6%	147	18.6%	33	4.2%	5	0.6%	4	793
Mineral	245	83.6%	40	13.7%	8	2.7%	0	0.0%	7	300
Mingo	267	78.1%	66	19.3%	9	2.6%	0	0.0%	16	358
Monongalia	887	87.6%	103	10.2%	17	1.7%	6	0.6%	4	1,017
Monroe	115	78.2%	25	17.0%	5	3.4%	2	1.4%	2	149
Morgan	115	88.5%	14	10.8%	0	0.0%	1	0.8%	2	132
Nicholas	242	81.8%	45	15.2%	8	2.7%	1	0.3%	14	310
Ohio	422	83.2%	71	14.0%	10	2.0%	4	0.8%	3	510
Pendleton	61	87.1%	7	10.0%	1	1.4%	1	1.4%	0	70
Pleasants	68	91.9%	5	6.8%	1	1.4%	0	0.0%	1	75
Pocahontas	71	85.5%	10	12.0%	2	2.4%	0	0.0%	0	83
Preston	289	87.8%	33	10.0%	5	1.5%	2	0.6%	5	334
Putnam	490	85.1%	70	12.2%	15	2.6%	1	0.2%	2	578
Raleigh	818	83.4%	123	12.5%	37	3.8%	3	0.3%	19	1,000
Randolph	279	84.5%	47	14.2%	4	1.2%	0	0.0%	2	332
Ritchie	84	92.3%	5	5.5%	2	2.2%	0	0.0%	0	91
Roane	149	87.6%	20	11.8%	1	0.6%	0	0.0%	2	172
Summers	89	77.4%	18	15.7%	6	5.2%	2	1.7%	2	117
Taylor	165	87.3%	18	9.5%	6	3.2%	0	0.0%	0	189
Tucker	53	89.8%	5	8.5%	1	1.7%	0	0.0%	1	60
Tyler	86	90.5%	9	9.5%	0	0.0%	0	0.0%	2	97
Upshur	253	88.2%	29	10.1%	4	1.4%	1	0.3%	4	291
Wayne	369	85.4%	53	12.3%	8	1.9%	2	0.5%	0	432
Webster	88	88.9%	10	10.1%	1	1.0%	0	0.0%	4	103
Wetzel	140	85.9%	18	11.0%	4	2.5%	1	0.6%	2	165
Wirt	55	91.7%	4	6.7%	0	0.0%	1	1.7%	1	61
Wood	835	94.2%	44	5.0%	5	0.6%	2	0.2%	9	895
Wyoming	180	77.9%	38	16.5%	11	4.8%	2	0.9%	4	235
Total	17,296	84.1%	2,653	12.9%	504	2.5%	112	0.5%	248	20,813

Number of Prenatal Visits by County  
West Virginia Resident Births, 2012

Table 50

County	Number of Prenatal Visits										Un-known	Total
	No Visits		1-5 Visits		6-10 Visits		11-15 Visits		16 or More Visits			
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	1	0.5%	10	5.3%	31	16.3%	133	70.0%	15	7.9%	1	191
Berkeley	9	0.6%	47	3.4%	312	22.4%	884	63.4%	143	10.3%	7	1,402
Boone	1	0.4%	17	6.8%	89	35.5%	119	47.4%	25	10.0%	4	255
Braxton	0	0.0%	11	6.5%	52	31.0%	89	53.0%	16	9.5%	1	169
Brooke	0	0.0%	7	3.9%	56	30.9%	106	58.6%	12	6.6%	4	185
Cabell	6	0.5%	97	7.9%	485	39.3%	459	37.2%	187	15.2%	2	1,236
Calhoun	0	0.0%	3	4.4%	15	22.1%	39	57.4%	11	16.2%	1	69
Clay	1	0.9%	4	3.4%	51	43.6%	50	42.7%	11	9.4%	0	117
Doddridge	1	1.4%	1	1.4%	13	17.8%	49	67.1%	9	12.3%	0	73
Fayette	4	0.8%	37	7.0%	140	26.4%	276	52.1%	73	13.8%	1	531
Gilmer	0	0.0%	4	6.5%	12	19.4%	35	56.5%	11	17.7%	1	63
Grant	1	0.9%	2	1.8%	21	18.9%	57	51.4%	30	27.0%	0	111
Greenbrier	4	1.0%	28	6.9%	81	20.0%	254	62.6%	39	9.6%	10	416
Hampshire	1	0.4%	7	3.1%	56	25.1%	144	64.6%	15	6.7%	0	223
Hancock	5	1.7%	20	6.8%	81	27.5%	172	58.3%	17	5.8%	5	300
Hardy	0	0.0%	6	4.1%	27	18.4%	86	58.5%	28	19.0%	0	147
Harrison	1	0.1%	25	3.1%	103	13.0%	564	71.0%	101	12.7%	0	794
Jackson	0	0.0%	23	7.1%	110	34.0%	149	46.0%	42	13.0%	2	326
Jefferson	5	0.9%	16	2.8%	116	20.4%	368	64.8%	63	11.1%	12	580
Kanawha	18	0.8%	185	8.3%	711	32.0%	1,047	47.2%	258	11.6%	3	2,222
Lewis	1	0.5%	5	2.6%	40	20.8%	119	62.0%	27	14.1%	0	192
Lincoln	5	1.9%	23	8.6%	95	35.7%	110	41.4%	33	12.4%	1	267
Logan	1	0.2%	60	14.2%	168	39.8%	155	36.7%	38	9.0%	11	433
McDowell	5	1.8%	29	10.2%	103	36.1%	115	40.4%	33	11.6%	1	286
Marion	3	0.5%	26	4.2%	131	21.0%	390	62.4%	75	12.0%	5	630
Marshall	0	0.0%	10	2.8%	69	19.4%	265	74.6%	11	3.1%	4	359
Mason	1	0.3%	25	8.7%	80	27.9%	126	43.9%	55	19.2%	0	287
Mercer	5	0.6%	78	9.8%	243	30.6%	396	49.9%	71	9.0%	0	793
Mineral	0	0.0%	18	6.0%	118	39.6%	149	50.0%	13	4.4%	2	300
Mingo	0	0.0%	28	8.0%	108	30.8%	137	39.0%	78	22.2%	7	358
Monongalia	6	0.6%	36	3.6%	202	20.0%	598	59.3%	166	16.5%	9	1,017
Monroe	2	1.4%	16	10.8%	49	33.1%	69	46.6%	12	8.1%	1	149
Morgan	1	0.8%	8	6.1%	34	25.8%	80	60.6%	9	6.8%	0	132
Nicholas	1	0.3%	28	9.1%	107	34.6%	146	47.2%	27	8.7%	1	310
Ohio	4	0.8%	9	1.8%	90	17.7%	398	78.2%	8	1.6%	1	510
Pendleton	1	1.4%	0	0.0%	9	12.9%	48	68.6%	12	17.1%	0	70
Pleasants	0	0.0%	5	6.8%	15	20.3%	36	48.6%	18	24.3%	1	75
Pocahontas	0	0.0%	4	4.8%	25	30.1%	49	59.0%	5	6.0%	0	83
Preston	2	0.6%	18	5.4%	57	17.2%	197	59.5%	57	17.2%	3	334
Putnam	1	0.2%	31	5.4%	179	31.0%	289	50.1%	77	13.3%	1	578
Raleigh	3	0.3%	70	7.1%	219	22.1%	481	48.5%	218	22.0%	9	1,000
Randolph	0	0.0%	22	6.7%	69	20.9%	202	61.2%	37	11.2%	2	332
Ritchie	0	0.0%	2	2.2%	27	29.7%	53	58.2%	9	9.9%	0	91
Roane	0	0.0%	15	8.8%	65	38.2%	72	42.4%	18	10.6%	2	172
Summers	2	1.7%	12	10.4%	30	26.1%	61	53.0%	10	8.7%	2	117
Taylor	0	0.0%	4	2.2%	40	21.5%	112	60.2%	30	16.1%	3	189
Tucker	0	0.0%	2	3.4%	22	37.3%	31	52.5%	4	6.8%	1	60
Tyler	0	0.0%	4	4.2%	25	26.3%	58	61.1%	8	8.4%	2	97
Upshur	1	0.3%	9	3.1%	50	17.2%	183	63.1%	47	16.2%	1	291
Wayne	2	0.5%	23	5.3%	168	38.9%	188	43.5%	51	11.8%	0	432
Webster	0	0.0%	10	9.7%	37	35.9%	53	51.5%	3	2.9%	0	103
Wetzel	1	0.6%	8	4.9%	45	27.6%	98	60.1%	11	6.7%	2	165
Wirt	1	1.6%	5	8.2%	10	16.4%	33	54.1%	12	19.7%	0	61
Wood	2	0.2%	40	4.5%	183	20.4%	469	52.4%	201	22.5%	0	895
Wyoming	2	0.9%	25	10.8%	58	25.0%	104	44.8%	43	18.5%	3	235
Total	111	0.5%	1,258	6.1%	5,532	26.7%	11,150	53.9%	2,633	12.7%	129	20,813

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, 2012

Table 51

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
	Alcohol Use	Tobacco Use	1 or More Medical Risk Factors	Primary	Repeat			
Barbour	0.5	30.9	56.0	20.9	15.7	31.9	3.1	1.6
Berkeley	0.8	21.4	61.6	14.4	16.3	27.9	1.8	17.1
Boone	0.0	28.2	34.5	23.9	17.6	35.7	0.8	2.4
Braxton	0.6	31.5	49.7	23.7	15.4	29.0	1.2	3.6
Brooke	0.0	33.5	34.6	29.2	13.0	25.9	2.2	5.4
Cabell	0.1	24.3	36.7	20.3	14.5	22.8	0.3	1.5
Calhoun	0.0	27.9	30.4	20.3	18.8	34.8	1.4	31.9
Clay	0.0	30.8	31.6	19.7	18.8	34.2	2.6	0.0
Doddridge	0.0	34.2	69.9	19.2	17.8	34.2	1.4	6.8
Fayette	0.2	29.6	46.3	18.8	13.4	44.4	0.9	14.3
Gilmer	0.0	19.0	47.6	27.0	12.7	28.6	1.6	6.3
Grant	0.0	29.7	36.0	24.3	17.1	53.2	0.9	0.9
Greenbrier	0.0	28.6	31.6	12.5	8.2	53.0	3.6	11.8
Hampshire	0.5	26.0	26.5	18.5	15.8	24.2	0.4	0.9
Hancock	0.6	29.8	30.1	22.0	13.0	20.4	1.0	5.3
Hardy	0.7	28.6	41.5	31.5	13.0	51.0	4.1	4.8
Harrison	0.4	26.0	68.3	21.6	15.8	27.1	2.0	3.3
Jackson	0.0	26.4	37.7	18.7	21.5	37.7	0.0	19.3
Jefferson	1.2	16.2	40.7	16.1	13.3	29.1	1.0	7.6
Kanawha	0.0	23.5	31.1	23.6	20.0	37.0	0.2	0.3
Lewis	0.0	29.2	41.4	20.9	14.7	35.4	2.6	7.8
Lincoln	0.4	39.5	36.8	18.0	18.0	22.6	0.4	1.5
Logan	0.0	34.0	46.6	32.6	19.9	37.8	2.8	4.8
McDowell	0.7	41.6	41.8	15.7	18.9	26.6	0.3	4.9
Marion	0.5	23.7	50.3	16.9	14.3	29.2	2.5	4.1
Marshall	0.3	30.6	33.1	27.9	17.5	33.1	0.6	2.8
Mason	0.6	37.3	43.9	23.3	18.8	19.5	0.3	5.9
Mercer	0.3	26.4	49.9	21.1	16.9	31.4	1.4	2.4
Mineral	3.3	28.0	8.7	26.3	16.3	11.0	1.0	1.0
Mingo	0.0	36.8	24.9	24.6	28.8	17.9	0.3	1.1
Monongalia	0.4	15.8	32.9	18.9	12.5	31.2	3.0	3.1
Monroe	0.0	25.5	35.8	15.3	11.1	36.2	3.4	4.7
Morgan	0.9	24.2	47.0	17.7	10.8	22.0	1.5	15.5
Nicholas	0.0	27.2	42.7	19.0	19.4	36.6	2.3	5.5
Ohio	0.0	24.4	27.9	23.7	14.7	29.2	1.2	3.3
Pendleton	0.0	11.4	48.6	23.5	16.2	42.9	1.4	2.9
Pleasants	0.0	29.3	52.0	24.0	13.3	36.0	1.3	33.3
Pocahontas	0.0	38.6	30.1	9.6	13.3	47.0	4.8	10.8
Preston	0.3	33.1	29.8	18.3	9.6	23.6	2.4	4.2
Putnam	0.0	14.7	36.2	21.7	17.9	30.2	0.2	0.7
Raleigh	0.1	27.4	54.2	16.2	16.0	41.8	1.5	17.7
Randolph	0.3	31.0	31.7	20.2	15.1	40.1	3.6	6.3
Ritchie	0.0	27.5	47.3	20.9	17.6	38.5	0.0	39.6
Roane	0.0	31.4	44.1	23.8	19.2	38.4	0.0	10.5
Summers	0.9	28.2	36.8	14.8	13.0	46.2	2.6	12.0
Taylor	0.5	28.6	54.0	18.5	15.3	30.7	5.3	5.8
Tucker	0.0	31.7	27.1	23.3	11.7	30.5	1.7	3.3
Tyler	0.0	33.0	47.4	22.7	12.4	39.2	4.1	22.7
Upshur	1.0	33.3	46.4	19.7	13.1	33.0	3.1	2.4
Wayne	0.2	25.9	35.4	16.0	16.5	18.1	0.2	0.9
Webster	0.0	33.0	57.3	18.4	20.4	26.2	4.9	9.7
Wetzel	0.6	32.3	53.9	13.3	16.4	24.2	1.2	4.8
Wirt	0.0	38.3	47.5	19.7	21.3	50.8	0.0	39.3
Wood	1.4	25.5	51.2	21.7	15.0	46.4	0.8	39.0
Wyoming	0.0	36.6	52.8	18.9	15.9	40.6	0.9	16.4
Total	0.3	26.4	42.0	20.3	16.1	32.4	1.4	7.8

Number of Deaths by Race, Gender and County of Residence  
West Virginia, 2012  
Table 52

County	White or Caucasian		Black or African American		All Other Races		Unknown		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
Barbour	112	95	1	0	0	0	0	0	208
Berkeley	447	375	34	30	2	0	0	0	888
Boone	133	143	1	2	0	0	0	1	280
Braxton	115	79	0	0	0	0	0	0	194
Brooke	141	170	3	0	0	0	0	1	315
Cabell	521	496	20	17	1	2	0	0	1,057
Calhoun	58	45	0	0	0	0	0	0	103
Clay	72	39	0	0	0	0	0	0	111
Doddridge	46	37	0	0	0	0	0	0	83
Fayette	297	313	13	14	1	0	0	0	638
Gilmer	38	43	0	0	0	1	1	0	83
Grant	64	60	2	0	0	0	0	0	126
Greenbrier	241	214	2	8	0	1	0	1	467
Hampshire	136	112	0	1	0	0	1	0	250
Hancock	200	201	2	6	1	0	3	2	415
Hardy	77	49	2	1	0	0	0	0	129
Harrison	374	445	7	3	0	0	1	0	830
Jackson	171	168	1	1	0	1	0	1	343
Jefferson	219	181	27	16	0	2	1	1	447
Kanawha	1,058	1,167	90	71	4	6	0	2	2,398
Lewis	117	117	0	0	0	1	0	0	235
Lincoln	118	125	0	0	0	0	0	0	243
Logan	271	225	13	3	0	1	0	0	513
McDowell	186	166	18	25	0	1	0	0	396
Marion	281	349	12	10	0	1	0	0	653
Marshall	210	218	3	1	0	0	0	0	432
Mason	146	150	3	2	0	0	1	1	303
Mercer	437	423	19	24	0	1	3	0	907
Mineral	157	125	6	5	0	0	0	0	293
Mingo	177	153	12	4	0	1	1	0	348
Monongalia	317	310	11	9	3	2	0	0	652
Monroe	72	87	2	2	0	0	1	1	165
Morgan	106	81	1	1	0	0	0	0	189
Nicholas	167	186	0	1	0	0	1	0	355
Ohio	284	311	9	6	1	0	0	0	611
Pendleton	56	45	2	0	0	0	0	0	103
Pleasants	51	45	0	0	0	0	0	0	96
Pocahontas	48	56	2	0	0	0	0	0	106
Preston	175	177	3	0	1	0	0	0	356
Putnam	295	283	3	1	1	0	0	0	583
Raleigh	476	515	40	35	3	1	1	0	1,071
Randolph	169	185	1	0	0	0	0	0	355
Ritchie	65	58	0	0	0	0	0	0	123
Roane	100	91	0	0	0	0	0	0	191
Summers	84	85	2	0	0	0	0	0	171
Taylor	81	97	0	0	1	0	0	0	179
Tucker	45	43	0	0	0	0	0	0	88
Tyler	52	62	1	0	0	1	0	0	116
Upshur	135	126	1	0	0	0	0	0	262
Wayne	229	235	0	0	0	0	0	0	464
Webster	76	50	1	1	0	0	0	0	128
Wetzel	116	107	0	0	0	0	0	0	223
Wirt	25	23	0	2	0	0	0	0	50
Wood	451	512	2	6	0	2	2	1	976
Wyoming	185	166	0	1	0	0	0	0	352
Total	10,480	10,419	372	309	19	25	17	12	21,653

Number of Deaths by County of Residence and Occurrence  
West Virginia, 2012  
Table 53

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	208	144	Monongalia	652	1,456
Berkeley	888	893	Monroe	165	83
Boone	280	180	Morgan	189	144
Braxton	194	142	Nicholas	355	254
Brooke	315	342	Ohio	611	1,060
Cabell	1,057	1,980	Pendleton	103	69
Calhoun	103	60	Pleasants	96	76
Clay	111	57	Pocahontas	106	74
Doddridge	83	41	Preston	356	220
Fayette	638	436	Putnam	583	415
Gilmer	83	47	Raleigh	1,071	1,346
Grant	126	140	Randolph	355	376
Greenbrier	467	447	Ritchie	123	71
Hampshire	250	168	Roane	191	123
Hancock	415	195	Summers	171	124
Hardy	129	54	Taylor	179	137
Harrison	830	956	Tucker	88	62
Jackson	343	230	Tyler	116	88
Jefferson	447	338	Upshur	262	178
Kanawha	2,398	3,168	Wayne	464	222
Lewis	235	195	Webster	128	84
Lincoln	243	112	Wetzel	223	167
Logan	513	462	Wirt	50	23
McDowell	396	249	Wood	976	1,058
Marion	653	490	Wyoming	352	145
Marshall	432	263			
Mason	303	246			
Mercer	907	920	Total	21,653	21,419
Mineral	293	220			
Mingo	348	189			

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Resident deaths include 1,828 West Virginians dying out of state.

Method of Disposition by County of Residence  
West Virginia Deaths, 2012  
Table 54

County	Method of Disposition										Un- known	Total
	Burial		Cremation		Donation		Removal From State		Other			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
Barbour	162	77.9%	41	19.7%	4	1.9%	1	0.5%	0	0.0%	0	208
Berkeley	441	54.9%	328	40.8%	14	1.7%	11	1.4%	10	1.2%	84	888
Boone	219	78.2%	53	18.9%	3	1.1%	0	0.0%	5	1.8%	0	280
Braxton	142	73.2%	51	26.3%	1	0.5%	0	0.0%	0	0.0%	0	194
Brooke	152	48.4%	102	32.5%	4	1.3%	49	15.6%	7	2.2%	1	315
Cabell	702	66.7%	288	27.4%	14	1.3%	12	1.1%	37	3.5%	4	1,057
Calhoun	74	71.8%	25	24.3%	2	1.9%	2	1.9%	0	0.0%	0	103
Clay	86	78.9%	22	20.2%	1	0.9%	0	0.0%	0	0.0%	2	111
Doddridge	43	51.8%	39	47.0%	1	1.2%	0	0.0%	0	0.0%	0	83
Fayette	439	70.0%	120	19.1%	13	2.1%	4	0.6%	51	8.1%	11	638
Gilmer	60	72.3%	18	21.7%	1	1.2%	4	4.8%	0	0.0%	0	83
Grant	90	77.6%	25	21.6%	1	0.9%	0	0.0%	0	0.0%	10	126
Greenbrier	309	71.2%	97	22.4%	12	2.8%	3	0.7%	13	3.0%	33	467
Hampshire	111	58.1%	72	37.7%	7	3.7%	1	0.5%	0	0.0%	59	250
Hancock	175	42.4%	110	26.6%	2	0.5%	105	25.4%	21	5.1%	2	415
Hardy	66	71.7%	23	25.0%	3	3.3%	0	0.0%	0	0.0%	37	129
Harrison	576	69.6%	200	24.2%	19	2.3%	10	1.2%	22	2.7%	3	830
Jackson	251	73.6%	65	19.1%	8	2.3%	15	4.4%	2	0.6%	2	343
Jefferson	183	49.9%	172	46.9%	6	1.6%	1	0.3%	5	1.4%	80	447
Kanawha	1,431	59.8%	744	31.1%	75	3.1%	17	0.7%	124	5.2%	7	2,398
Lewis	175	75.4%	56	24.1%	1	0.4%	0	0.0%	0	0.0%	3	235
Lincoln	205	84.4%	36	14.8%	0	0.0%	1	0.4%	1	0.4%	0	243
Logan	407	79.8%	85	16.7%	0	0.0%	3	0.6%	15	2.9%	3	513
McDowell	262	76.6%	65	19.0%	1	0.3%	3	0.9%	11	3.2%	54	396
Marion	451	69.3%	159	24.4%	18	2.8%	5	0.8%	18	2.8%	2	653
Marshall	271	62.9%	138	32.0%	7	1.6%	8	1.9%	7	1.6%	1	432
Mason	208	68.9%	63	20.9%	3	1.0%	26	8.6%	2	0.7%	1	303
Mercer	582	71.1%	193	23.6%	5	0.6%	14	1.7%	25	3.1%	88	907
Mineral	177	63.0%	89	31.7%	7	2.5%	3	1.1%	5	1.8%	12	293
Mingo	291	83.9%	46	13.3%	1	0.3%	4	1.2%	5	1.4%	1	348
Monongalia	405	62.2%	202	31.0%	20	3.1%	11	1.7%	13	2.0%	1	652
Monroe	85	68.0%	33	26.4%	5	4.0%	1	0.8%	1	0.8%	40	165
Morgan	72	49.0%	66	44.9%	7	4.8%	1	0.7%	1	0.7%	42	189
Nicholas	256	73.4%	81	23.2%	5	1.4%	4	1.1%	3	0.9%	6	355
Ohio	354	58.2%	204	33.6%	16	2.6%	8	1.3%	26	4.3%	3	611
Pendleton	71	85.5%	12	14.5%	0	0.0%	0	0.0%	0	0.0%	20	103
Pleasants	71	74.0%	19	19.8%	0	0.0%	6	6.3%	0	0.0%	0	96
Pocahontas	66	66.7%	30	30.3%	2	2.0%	1	1.0%	0	0.0%	7	106
Preston	246	69.5%	93	26.3%	7	2.0%	6	1.7%	2	0.6%	2	356
Putnam	382	66.0%	139	24.0%	13	2.2%	6	1.0%	39	6.7%	4	583
Raleigh	747	70.6%	218	20.6%	10	0.9%	13	1.2%	70	6.6%	13	1,071
Randolph	230	65.3%	108	30.7%	6	1.7%	2	0.6%	6	1.7%	3	355
Ritchie	86	69.9%	29	23.6%	2	1.6%	5	4.1%	1	0.8%	0	123
Roane	136	72.0%	46	24.3%	6	3.2%	1	0.5%	0	0.0%	2	191
Summers	126	76.4%	36	21.8%	1	0.6%	0	0.0%	2	1.2%	6	171
Taylor	135	75.4%	38	21.2%	4	2.2%	2	1.1%	0	0.0%	0	179
Tucker	65	73.9%	19	21.6%	1	1.1%	2	2.3%	1	1.1%	0	88
Tyler	82	70.7%	30	25.9%	1	0.9%	3	2.6%	0	0.0%	0	116
Upshur	199	76.0%	58	22.1%	2	0.8%	3	1.1%	0	0.0%	0	262
Wayne	382	82.3%	74	15.9%	2	0.4%	5	1.1%	1	0.2%	0	464
Webster	99	77.3%	27	21.1%	1	0.8%	1	0.8%	0	0.0%	0	128
Wetzel	169	75.8%	49	22.0%	0	0.0%	5	2.2%	0	0.0%	0	223
Wirt	27	55.1%	19	38.8%	1	2.0%	1	2.0%	1	2.0%	1	50
Wood	623	64.2%	297	30.6%	18	1.9%	21	2.2%	12	1.2%	5	976
Wyoming	268	77.7%	62	18.0%	2	0.6%	2	0.6%	11	3.2%	7	352
Total	14,123	67.3%	5,514	26.3%	366	1.7%	412	2.0%	576	2.7%	662	21,653

Note: Majority of unknown disposition are likely due to residents dying out of state.

\*Percentage calculated excluding unknown disposition.

Method of Disposition by County of Occurrence  
West Virginia Deaths, 2012  
Table 54 (Cont'd)

County	Method of Disposition										Un- known	Total
	Burial		Cremation		Donation		Removal From State		Other			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
Barbour	109	75.7%	32	22.2%	2	1.4%	0	0.0%	1	0.7%	0	144
Berkeley	476	53.3%	382	42.8%	18	2.0%	7	0.8%	10	1.1%	0	893
Boone	147	81.7%	30	16.7%	1	0.6%	0	0.0%	2	1.1%	0	180
Braxton	109	76.8%	31	21.8%	1	0.7%	0	0.0%	1	0.7%	0	142
Brooke	200	58.5%	119	34.8%	4	1.2%	1	0.3%	18	5.3%	0	342
Cabell	1,427	72.1%	467	23.6%	20	1.0%	12	0.6%	52	2.6%	2	1,980
Calhoun	45	75.0%	13	21.7%	1	1.7%	1	1.7%	0	0.0%	0	60
Clay	41	73.2%	15	26.8%	0	0.0%	0	0.0%	0	0.0%	1	57
Doddridge	22	53.7%	19	46.3%	0	0.0%	0	0.0%	0	0.0%	0	41
Fayette	288	66.4%	99	22.8%	10	2.3%	0	0.0%	37	8.5%	2	436
Gilmer	37	78.7%	9	19.1%	1	2.1%	0	0.0%	0	0.0%	0	47
Grant	112	80.0%	27	19.3%	1	0.7%	0	0.0%	0	0.0%	0	140
Greenbrier	316	70.7%	106	23.7%	11	2.5%	1	0.2%	13	2.9%	0	447
Hampshire	107	63.7%	56	33.3%	5	3.0%	0	0.0%	0	0.0%	0	168
Hancock	125	64.1%	58	29.7%	0	0.0%	1	0.5%	11	5.6%	0	195
Hardy	34	63.0%	17	31.5%	3	5.6%	0	0.0%	0	0.0%	0	54
Harrison	676	70.9%	235	24.7%	20	2.1%	1	0.1%	21	2.2%	3	956
Jackson	177	77.0%	47	20.4%	4	1.7%	0	0.0%	2	0.9%	0	230
Jefferson	175	51.8%	151	44.7%	6	1.8%	1	0.3%	5	1.5%	0	338
Kanawha	2,032	64.2%	905	28.6%	83	2.6%	3	0.1%	142	4.5%	3	3,168
Lewis	149	76.8%	44	22.7%	1	0.5%	0	0.0%	0	0.0%	1	195
Lincoln	99	88.4%	13	11.6%	0	0.0%	0	0.0%	0	0.0%	0	112
Logan	367	79.4%	80	17.3%	0	0.0%	0	0.0%	15	3.2%	0	462
McDowell	190	76.3%	51	20.5%	1	0.4%	1	0.4%	6	2.4%	0	249
Marion	333	68.1%	126	25.8%	15	3.1%	0	0.0%	15	3.1%	1	490
Marshall	169	64.5%	83	31.7%	5	1.9%	1	0.4%	4	1.5%	1	263
Mason	190	77.6%	49	20.0%	3	1.2%	1	0.4%	2	0.8%	1	246
Mercer	673	73.2%	213	23.2%	4	0.4%	3	0.3%	27	2.9%	0	920
Mineral	142	64.5%	74	33.6%	2	0.9%	0	0.0%	2	0.9%	0	220
Mingo	158	83.6%	29	15.3%	1	0.5%	0	0.0%	1	0.5%	0	189
Monongalia	985	67.7%	422	29.0%	29	2.0%	2	0.1%	18	1.2%	0	1,456
Monroe	56	67.5%	23	27.7%	4	4.8%	0	0.0%	0	0.0%	0	83
Morgan	77	53.5%	58	40.3%	8	5.6%	0	0.0%	1	0.7%	0	144
Nicholas	198	78.3%	52	20.6%	2	0.8%	1	0.4%	0	0.0%	1	254
Ohio	670	63.2%	324	30.6%	21	2.0%	5	0.5%	40	3.8%	0	1,060
Pendleton	61	88.4%	8	11.6%	0	0.0%	0	0.0%	0	0.0%	0	69
Pleasants	59	77.6%	17	22.4%	0	0.0%	0	0.0%	0	0.0%	0	76
Pocahontas	50	67.6%	22	29.7%	2	2.7%	0	0.0%	0	0.0%	0	74
Preston	155	70.5%	59	26.8%	4	1.8%	0	0.0%	2	0.9%	0	220
Putnam	280	67.6%	92	22.2%	14	3.4%	0	0.0%	28	6.8%	1	415
Raleigh	960	71.6%	278	20.7%	16	1.2%	1	0.1%	86	6.4%	5	1,346
Randolph	256	68.1%	108	28.7%	5	1.3%	1	0.3%	6	1.6%	0	376
Ritchie	52	73.2%	17	23.9%	1	1.4%	0	0.0%	1	1.4%	0	71
Roane	87	70.7%	31	25.2%	4	3.3%	0	0.0%	1	0.8%	0	123
Summers	95	76.6%	28	22.6%	1	0.8%	0	0.0%	0	0.0%	0	124
Taylor	108	78.8%	24	17.5%	5	3.6%	0	0.0%	0	0.0%	0	137
Tucker	43	69.4%	16	25.8%	1	1.6%	0	0.0%	2	3.2%	0	62
Tyler	67	76.1%	20	22.7%	1	1.1%	0	0.0%	0	0.0%	0	88
Upshur	137	77.0%	38	21.3%	3	1.7%	0	0.0%	0	0.0%	0	178
Wayne	179	80.6%	38	17.1%	4	1.8%	0	0.0%	1	0.5%	0	222
Webster	66	78.6%	18	21.4%	0	0.0%	0	0.0%	0	0.0%	0	84
Wetzel	126	75.4%	39	23.4%	0	0.0%	2	1.2%	0	0.0%	0	167
Wirt	14	60.9%	8	34.8%	0	0.0%	0	0.0%	1	4.3%	0	23
Wood	703	66.5%	322	30.5%	19	1.8%	1	0.1%	12	1.1%	1	1,058
Wyoming	115	79.3%	26	17.9%	0	0.0%	0	0.0%	4	2.8%	0	145
Total	14,724	68.8%	5,668	26.5%	367	1.7%	47	0.2%	590	2.8%	23	21,419



Number of Deaths by County of Residence  
West Virginia, 2008-2012  
Table 55

County	2008	2009	2010	2011	2012	County	2008	2009	2010	2011	2012
Barbour	178	188	175	178	208	Monongalia	635	614	617	649	652
Berkeley	809	832	798	881	888	Monroe	165	153	174	174	165
Boone	366	285	333	333	280	Morgan	196	195	214	194	189
Braxton	183	163	153	166	194	Nicholas	326	329	324	341	355
Brooke	308	302	361	355	315	Ohio	570	608	560	581	611
Cabell	1,253	1,090	1,147	1,167	1,057	Pendleton	106	68	94	104	103
Calhoun	90	88	90	95	103	Pleasants	83	82	91	104	96
Clay	122	100	100	102	111	Pocahontas	106	110	115	91	106
Doddridge	80	80	75	81	83	Preston	346	316	320	336	356
Fayette	626	670	647	608	638	Putnam	536	505	505	510	583
Gilmer	81	82	59	73	83	Raleigh	918	992	1,013	986	1,071
Grant	116	108	118	141	126	Randolph	338	354	310	362	355
Greenbrier	497	483	455	530	467	Ritchie	128	139	119	122	123
Hampshire	209	221	249	254	250	Roane	189	177	168	176	191
Hancock	419	430	383	387	415	Summers	197	157	207	207	171
Hardy	129	150	144	144	129	Taylor	195	180	199	203	179
Harrison	824	875	827	928	830	Tucker	84	107	92	92	88
Jackson	345	330	326	315	343	Tyler	109	103	127	152	116
Jefferson	400	423	439	416	447	Upshur	237	257	258	253	262
Kanawha	2,572	2,454	2,467	2,388	2,398	Wayne	446	484	482	458	464
Lewis	219	223	198	202	235	Webster	110	117	98	131	128
Lincoln	268	264	277	286	243	Wetzel	207	229	215	227	223
Logan	498	508	484	550	513	Wirt	68	55	61	62	50
McDowell	373	360	364	381	396	Wood	1,020	1,020	989	1,039	976
Marion	730	689	643	642	653	Wyoming	315	344	320	345	352
Marshall	406	389	388	407	432	Total	21,551	21,385	21,278	21,870	21,653
Mason	309	313	359	325	303						
Mercer	849	893	865	946	907						
Mineral	282	326	322	319	293						
Mingo	380	371	360	371	348						

Age at Death by County of Residence  
West Virginia, 2012  
Table 56

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	208	0	0	0	1	0	0	3	7	12	29	45	52	59	73.8
Berkeley	888	11	2	1	1	0	7	26	30	93	146	148	244	179	69.1
Boone	280	0	1	0	0	0	2	7	15	25	56	64	59	51	68.5
Braxton	194	0	0	0	0	0	0	4	4	15	24	42	47	58	74.0
Brooke	315	2	0	0	1	0	0	7	8	25	36	51	76	109	74.6
Cabell	1,057	15	2	0	0	0	6	20	33	80	176	174	266	284	71.4
Calhoun	103	2	1	0	0	1	0	2	4	6	12	24	28	23	70.1
Clay	111	1	0	0	0	1	2	5	3	10	23	14	29	23	68.0
Doddridge	83	0	0	1	0	0	1	4	3	6	9	20	22	17	69.9
Fayette	638	1	2	0	0	4	4	13	20	50	85	111	172	176	72.1
Gilmer	83	1	0	0	0	1	0	3	3	5	10	18	18	24	71.6
Grant	126	0	0	0	0	0	2	0	2	6	16	20	40	40	76.3
Greenbrier	467	1	1	1	0	1	4	10	15	28	62	95	123	125	72.7
Hampshire	250	1	0	0	0	0	2	6	5	18	41	54	59	64	72.0
Hancock	415	3	0	0	0	1	3	7	13	26	63	65	117	117	73.2
Hardy	129	2	0	0	1	1	0	2	2	14	15	31	34	27	70.4
Harrison	830	5	2	1	0	2	5	11	31	56	103	140	202	272	73.6
Jackson	343	3	2	0	1	1	1	10	6	11	47	57	111	93	73.4
Jefferson	447	1	2	0	0	2	4	5	13	33	68	91	115	113	72.0
Kanawha	2,398	19	4	4	5	6	9	53	62	188	323	427	614	684	72.4
Lewis	235	6	1	1	0	0	3	3	6	15	29	50	56	65	71.1
Lincoln	243	1	0	1	1	1	0	2	14	17	42	49	59	56	70.8
Logan	513	3	1	0	0	1	3	16	28	48	99	93	123	98	68.2
McDowell	396	3	1	1	0	0	4	11	13	55	60	89	91	68	67.9
Marion	653	3	0	0	1	2	5	8	22	37	68	119	158	230	74.9
Marshall	432	0	0	0	0	1	4	4	12	19	43	88	118	143	75.6
Mason	303	1	0	0	2	0	1	10	11	23	39	64	83	69	71.5
Mercer	907	6	0	0	2	2	6	27	37	71	144	164	216	232	70.7
Mineral	293	0	1	1	0	0	4	6	5	15	44	53	85	79	73.4
Mingo	348	1	1	0	1	1	2	10	24	27	62	70	88	61	68.0
Monongalia	652	10	0	0	1	1	8	13	9	45	77	122	172	194	73.0
Monroe	165	0	0	0	0	0	0	4	3	17	22	35	35	49	73.2
Morgan	189	0	0	0	0	3	0	6	3	15	26	46	39	51	72.0
Nicholas	355	5	1	0	0	2	3	10	12	24	54	78	80	86	70.1
Ohio	611	4	1	0	0	4	2	7	9	30	64	109	150	231	76.1
Pendleton	103	0	0	0	0	1	0	1	2	5	15	14	36	29	75.6
Pleasants	96	1	1	0	0	0	1	1	3	6	15	12	23	33	72.6
Pocahontas	106	1	0	0	0	0	0	0	2	7	9	19	32	36	76.7
Preston	356	6	1	0	0	1	0	6	12	27	54	75	88	86	70.8
Putnam	583	4	1	1	0	1	4	6	14	36	81	132	149	154	72.8
Raleigh	1,071	3	3	3	2	1	8	29	55	87	157	161	271	291	71.1
Randolph	355	3	1	0	0	2	1	5	14	22	33	69	88	117	74.1
Ritchie	123	1	0	0	0	0	1	2	2	10	16	29	33	29	72.7
Roane	191	1	0	0	0	0	0	5	7	6	31	43	48	50	72.9
Summers	171	0	0	0	0	1	0	5	7	11	17	41	42	47	73.3
Taylor	179	2	0	0	0	0	2	1	6	10	30	30	48	50	73.0
Tucker	88	0	0	0	0	0	1	2	2	3	5	17	24	34	76.6
Tyler	116	2	0	0	0	0	0	2	5	3	9	31	34	30	73.0
Upshur	262	3	0	0	0	3	1	3	3	14	36	41	79	79	74.2
Wayne	464	4	0	0	1	1	4	7	17	26	58	105	126	115	72.1
Webster	128	0	0	0	0	1	0	3	4	19	23	24	33	21	68.6
Wetzel	223	1	0	0	0	2	1	2	7	16	33	36	67	58	72.9
Wirt	50	0	2	0	0	1	0	0	1	4	8	13	9	12	68.6
Wood	976	6	4	0	0	2	5	13	21	78	126	176	280	265	73.1
Wyoming	352	3	0	0	0	1	2	11	20	36	53	69	93	64	68.5
Total	21,653	152	39	16	21	57	128	439	691	1,591	3,026	4,057	5,584	5,850	72.1

Place Death Occurred by County of Residence  
West Virginia, 2012  
Table 57

County	Place Death Occurred											Total
	WV Hospital	Out-of-State Hospital	En Route to Hospital	Clinic or Center	Licensed Nursing Home	Unlicensed Personal Care	Home	Hospice Care	Named Place or Street Address	Doctor's Office	Unknown	
Barbour	67	3	11	0	28	6	77	7	9	0	0	208
Berkeley	275	102	5	0	138	7	307	4	50	0	0	888
Boone	128	2	1	0	16	4	75	24	30	0	0	280
Braxton	66	3	2	0	27	0	82	7	7	0	0	194
Brooke	66	65	5	0	60	10	84	15	10	0	0	315
Cabell	372	13	6	0	139	20	257	208	42	0	0	1,057
Calhoun	33	0	1	19	14	1	31	3	1	0	0	103
Clay	44	1	0	0	10	1	31	10	14	0	0	111
Doddridge	31	1	0	0	9	0	35	0	7	0	0	83
Fayette	235	8	4	0	85	1	173	90	42	0	0	638
Gilmer	33	3	0	0	15	2	23	2	5	0	0	83
Grant	38	13	3	0	29	0	33	0	10	0	0	126
Greenbrier	159	31	4	0	80	1	152	7	32	1	0	467
Hampshire	18	68	3	0	47	3	91	0	20	0	0	250
Hancock	82	108	6	0	55	19	104	22	19	0	0	415
Hardy	29	34	0	0	19	0	37	1	9	0	0	129
Harrison	313	17	10	1	157	13	274	3	42	0	0	830
Jackson	118	9	5	0	72	2	93	27	17	0	0	343
Jefferson	95	76	3	0	81	2	161	1	28	0	0	447
Kanawha	768	24	4	0	276	53	579	598	96	0	0	2,398
Lewis	96	2	2	1	42	3	73	1	14	0	1	235
Lincoln	75	3	1	0	31	1	77	39	16	0	0	243
Logan	281	9	7	0	43	3	114	7	49	0	0	513
McDowell	145	54	9	0	32	2	108	8	38	0	0	396
Marion	252	14	3	0	95	40	216	3	29	1	0	653
Marshall	181	21	6	0	75	2	108	30	9	0	0	432
Mason	87	19	6	0	50	1	108	11	20	0	1	303
Mercer	330	82	15	0	124	31	258	18	49	0	0	907
Mineral	41	51	16	0	76	0	85	1	23	0	0	293
Mingo	123	79	7	0	19	0	69	12	39	0	0	348
Monongalia	222	14	3	0	125	11	239	4	34	0	0	652
Monroe	31	35	3	0	23	6	49	9	9	0	0	165
Morgan	27	37	1	0	40	1	68	0	14	0	1	189
Nicholas	152	7	6	0	50	2	95	25	18	0	0	355
Ohio	201	25	4	0	136	2	153	74	16	0	0	611
Pendleton	13	17	0	0	33	0	30	3	6	0	1	103
Pleasants	28	6	0	0	21	1	31	0	9	0	0	96
Pocahontas	36	7	0	0	16	0	33	4	10	0	0	106
Preston	141	14	5	0	55	4	107	1	28	1	0	356
Putnam	209	10	2	0	62	25	144	106	25	0	0	583
Raleigh	429	17	35	1	90	13	227	198	61	0	0	1,071
Randolph	109	3	11	0	65	11	88	44	24	0	0	355
Ritchie	43	4	0	1	16	2	53	0	4	0	0	123
Roane	81	1	1	0	24	1	51	24	8	0	0	191
Summers	56	5	4	0	23	3	57	14	9	0	0	171
Taylor	74	2	1	1	18	7	59	3	14	0	0	179
Tucker	14	8	2	0	20	0	29	9	6	0	0	88
Tyler	52	2	1	0	13	5	27	2	14	0	0	116
Upshur	110	5	1	0	35	10	88	3	9	0	1	262
Wayne	129	32	2	0	48	5	125	107	16	0	0	464
Webster	59	1	2	0	10	0	39	6	11	0	0	128
Wetzel	81	12	3	0	42	2	67	4	12	0	0	223
Wirt	18	2	0	0	9	0	18	1	2	0	0	50
Wood	375	58	8	0	184	9	310	3	29	0	0	976
Wyoming	134	7	6	0	21	2	57	45	80	0	0	352
Total	7,405	1,246	246	24	3,123	350	6,159	1,848	1,244	3	5	21,653

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

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, 2012

Table 58

County	Un-intentional	Intentional			Un-determined	Total
		Suicide	Assault	Legal Intervention		
Barbour	0	3	0	0	0	3
Berkeley	0	9	2	1	0	12
Boone	0	2	2	0	0	4
Braxton	0	1	1	0	0	2
Brooke	0	2	1	0	0	3
Cabell	0	6	2	0	0	8
Calhoun	0	1	0	0	0	1
Clay	0	2	4	0	0	6
Doddridge	0	1	3	0	0	4
Fayette	0	4	1	1	0	6
Gilmer	0	0	0	0	0	0
Grant	0	0	0	0	0	0
Greenbrier	0	6	4	0	1	11
Hampshire	0	4	1	0	0	5
Hancock	0	6	3	0	0	9
Hardy	0	3	1	0	0	4
Harrison	0	8	1	0	0	9
Jackson	0	3	0	0	0	3
Jefferson	0	4	0	0	0	4
Kanawha	0	21	7	1	0	29
Lewis	0	3	2	0	0	5
Lincoln	0	2	1	0	0	3
Logan	0	3	3	0	1	7
McDowell	0	3	0	0	0	3
Marion	0	8	0	0	0	8
Marshall	0	2	0	0	0	2
Mason	0	5	2	0	0	7
Mercer	0	6	6	0	0	12
Mineral	0	3	0	0	0	3
Mingo	0	2	2	0	0	4
Monongalia	0	10	0	0	0	10
Monroe	0	1	0	0	0	1
Morgan	0	2	1	0	0	3
Nicholas	0	4	1	0	0	5
Ohio	1	5	0	0	0	6
Pendleton	0	1	0	0	0	1
Pleasants	0	0	0	0	0	0
Pocahontas	0	0	0	0	0	0
Preston	0	4	3	0	0	7
Putnam	0	5	0	0	0	5
Raleigh	0	8	6	0	0	14
Randolph	0	6	1	1	0	8
Ritchie	0	0	0	0	0	0
Roane	0	3	0	0	0	3
Summers	0	2	0	0	0	2
Taylor	0	2	1	0	1	4
Tucker	0	1	0	0	0	1
Tyler	0	1	0	0	0	1
Upshur	0	2	1	0	0	3
Wayne	0	6	2	0	0	8
Webster	1	0	3	0	0	4
Wetzel	0	3	0	0	0	3
Wirt	0	0	0	0	0	0
Wood	0	7	1	0	0	8
Wyoming	0	1	2	0	0	3
Total	2	197	71	4	3	277

Number and Rate of Resident Infant Deaths by County  
West Virginia, 2008-2012  
Table 59

County	2008		2009		2010		2011		2012	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Barbour	0	0.0	1	5.8	0	0.0	2	10.9	0	0.0
Berkeley	16	11.2	18	13.3	6	4.7	9	6.6	11	7.8
Boone	4	11.3	0	0.0	5	16.3	2	6.5	0	0.0
Braxton	1	6.8	0	0.0	0	0.0	2	13.0	0	0.0
Brooke	1	4.5	0	0.0	1	5.0	0	0.0	2	10.8
Cabell	13	10.3	5	4.0	9	7.9	6	4.9	15	12.1
Calhoun	0	0.0	1	10.9	0	0.0	1	11.1	2	29.0
Clay	1	7.0	1	7.6	0	0.0	2	17.4	1	8.5
Doddridge	0	0.0	1	13.0	0	0.0	0	0.0	0	0.0
Fayette	4	7.0	8	13.2	5	8.8	1	1.7	1	1.9
Gilmer	0	0.0	1	13.9	0	0.0	1	15.2	1	15.9
Grant	1	7.9	0	0.0	3	23.4	0	0.0	0	0.0
Greenbrier	1	2.5	6	15.1	0	0.0	3	8.8	1	2.4
Hampshire	0	0.0	0	0.0	1	4.4	2	9.0	1	4.5
Hancock	4	12.1	0	0.0	2	6.9	2	6.5	3	10.0
Hardy	1	6.1	1	6.3	1	6.8	2	14.6	2	13.6
Harrison	12	14.0	10	12.1	4	5.0	3	3.7	5	6.3
Jackson	3	8.2	2	6.2	2	6.0	4	12.9	3	9.2
Jefferson	2	2.9	6	9.6	3	5.0	2	3.2	1	1.7
Kanawha	19	7.9	26	11.4	11	5.0	15	7.0	19	8.6
Lewis	1	5.0	2	10.4	1	5.3	1	4.9	6	31.3
Lincoln	1	3.7	1	3.9	1	3.9	2	7.3	1	3.7
Logan	1	2.4	4	9.4	1	2.3	4	8.8	3	6.9
McDowell	5	16.6	4	13.7	7	25.2	2	7.9	3	10.5
Marion	10	16.0	2	3.1	4	5.9	5	7.4	3	4.8
Marshall	5	15.2	1	3.0	3	9.3	5	17.5	0	0.0
Mason	2	6.4	2	7.2	5	16.2	2	7.3	1	3.5
Mercer	5	6.1	7	8.6	11	13.9	4	5.2	6	7.6
Mineral	1	3.1	1	3.1	4	13.3	5	17.2	0	0.0
Mingo	5	14.4	3	8.2	4	10.3	2	5.8	1	2.8
Monongalia	5	5.4	5	5.4	6	6.2	3	2.9	10	9.8
Monroe	0	0.0	0	0.0	0	0.0	2	14.2	0	0.0
Morgan	1	6.3	3	18.5	0	0.0	2	12.7	0	0.0
Nicholas	3	9.6	3	9.0	2	6.9	3	10.0	5	16.1
Ohio	2	4.3	4	7.9	5	10.6	5	11.0	4	7.8
Pendleton	1	13.5	0	0.0	0	0.0	0	0.0	0	0.0
Pleasants	0	0.0	0	0.0	0	0.0	0	0.0	1	13.3
Pocahontas	0	0.0	3	29.7	1	12.7	0	0.0	1	12.0
Preston	2	5.4	5	14.2	4	12.0	4	10.6	6	18.0
Putnam	3	4.9	0	0.0	5	8.6	4	6.6	4	6.9
Raleigh	6	6.5	3	3.1	7	7.2	4	4.1	3	3.0
Randolph	6	18.4	4	13.7	2	7.1	2	6.6	3	9.0
Ritchie	0	0.0	0	0.0	1	12.0	0	0.0	1	11.0
Roane	0	0.0	0	0.0	2	12.7	1	6.5	1	5.8
Summers	1	8.6	2	16.3	1	9.3	1	7.6	0	0.0
Taylor	1	6.2	2	10.1	1	5.6	0	0.0	2	10.6
Tucker	0	0.0	0	0.0	2	29.4	0	0.0	0	0.0
Tyler	0	0.0	0	0.0	1	12.5	0	0.0	2	20.6
Upshur	2	7.8	2	7.5	1	3.7	2	7.3	3	10.3
Wayne	4	8.7	3	7.3	2	5.5	4	10.4	4	9.3
Webster	1	9.2	1	7.5	0	0.0	0	0.0	0	0.0
Wetzel	1	5.8	1	5.7	0	0.0	1	5.9	1	6.1
Wirt	1	16.1	0	0.0	1	14.9	1	19.2	0	0.0
Wood	5	5.2	10	9.6	8	8.3	9	9.1	6	6.7
Wyoming	2	7.7	2	7.5	4	15.2	2	8.0	3	12.8
Total	166	7.7	167	7.8	150	7.3	141	6.8	152	7.3

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

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

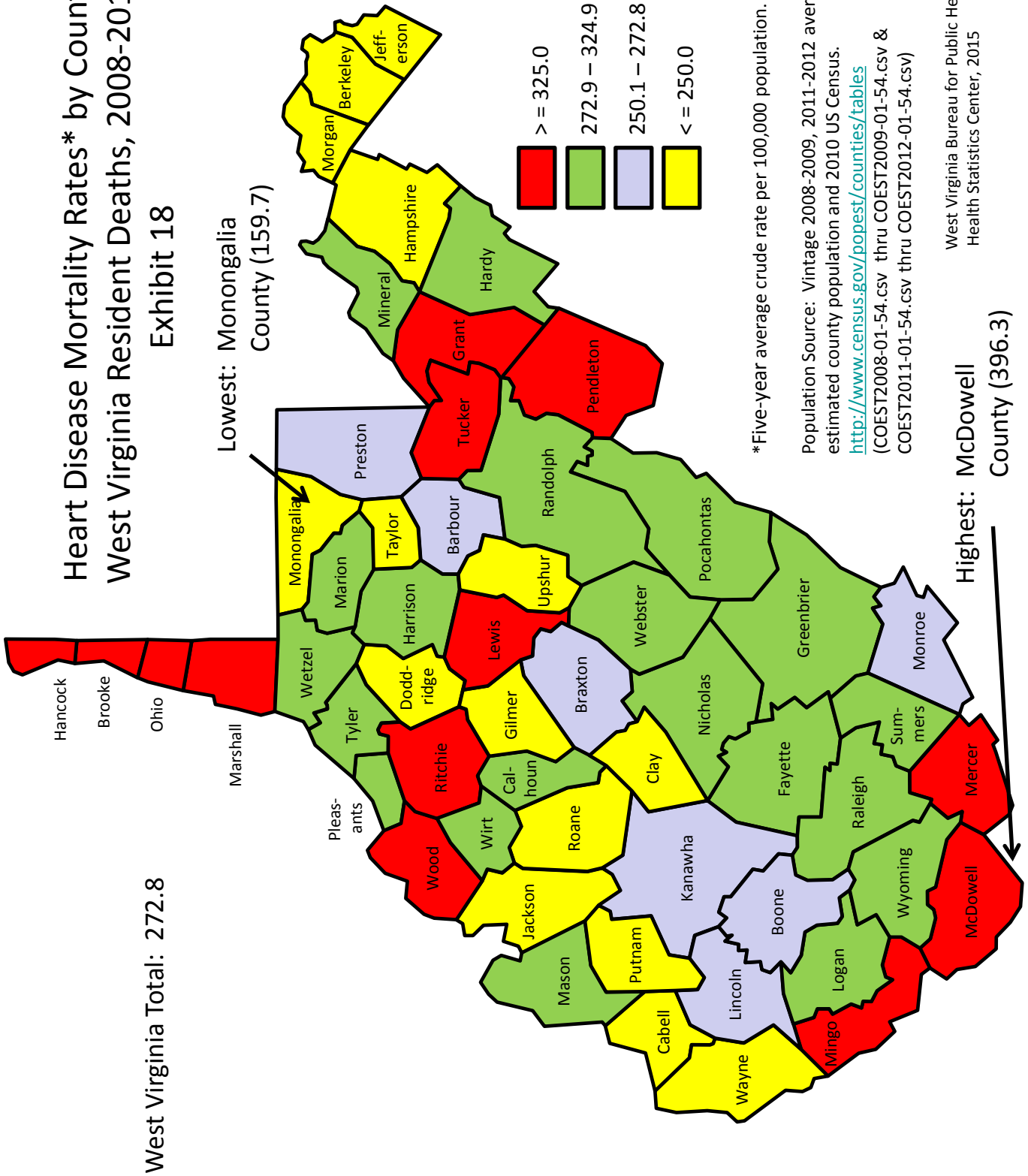
Number and Ratio of Resident Fetal Deaths by County  
West Virginia, 2008-2012  
Table 60

County	2008		2009		2010		2011		2012	
	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*
Barbour	1	5.7	2	11.7	0	0.0	1	5.5	0	0.0
Berkeley	3	2.1	10	7.4	3	2.3	4	3.0	6	4.3
Boone	1	2.8	5	15.3	3	9.8	0	0.0	0	0.0
Braxton	0	0.0	1	6.3	2	12.3	1	6.5	0	0.0
Brooke	3	13.5	2	9.6	0	0.0	1	5.5	0	0.0
Cabell	7	5.6	9	7.1	6	5.2	2	1.6	2	1.6
Calhoun	0	0.0	1	10.9	0	0.0	0	0.0	0	0.0
Clay	1	7.0	0	0.0	2	15.2	0	0.0	0	0.0
Doddridge	1	13.5	1	13.0	0	0.0	0	0.0	0	0.0
Fayette	5	8.8	6	9.9	1	1.8	3	5.1	4	7.5
Gilmer	0	0.0	0	0.0	2	25.6	0	0.0	0	0.0
Grant	0	0.0	0	0.0	1	7.8	0	0.0	0	0.0
Greenbrier	0	0.0	1	2.5	2	5.7	2	5.9	0	0.0
Hampshire	2	7.6	1	4.2	1	4.4	0	0.0	0	0.0
Hancock	0	0.0	3	10.2	0	0.0	1	3.2	0	0.0
Hardy	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Harrison	2	2.3	4	4.8	0	0.0	1	1.2	3	3.8
Jackson	0	0.0	2	6.2	0	0.0	1	3.2	1	3.1
Jefferson	2	2.9	1	1.6	1	1.7	1	1.6	4	6.9
Kanawha	16	6.7	20	8.8	7	3.2	5	2.3	11	5.0
Lewis	2	9.9	1	5.2	2	10.6	1	4.9	1	5.2
Lincoln	0	0.0	3	11.7	0	0.0	4	14.6	2	7.5
Logan	2	4.8	2	4.7	1	2.3	4	8.8	4	9.2
McDowell	1	3.3	2	6.8	1	3.6	3	11.8	2	7.0
Marion	1	1.6	1	1.5	4	5.9	0	0.0	6	9.5
Marshall	1	3.0	2	6.1	1	3.1	0	0.0	1	2.8
Mason	3	9.6	1	3.6	0	0.0	0	0.0	2	7.0
Mercer	3	3.7	5	6.1	6	7.6	3	3.9	2	2.5
Mineral	0	0.0	0	0.0	1	3.3	0	0.0	1	3.3
Mingo	2	5.7	1	2.7	1	2.6	0	0.0	1	2.8
Monongalia	2	2.2	4	4.3	2	2.1	5	4.8	4	3.9
Monroe	0	0.0	0	0.0	0	0.0	1	7.1	0	0.0
Morgan	0	0.0	0	0.0	1	7.6	0	0.0	0	0.0
Nicholas	0	0.0	7	21.1	3	10.3	2	6.6	0	0.0
Ohio	2	4.3	3	5.9	3	6.4	3	6.6	1	2.0
Pendleton	1	13.5	0	0.0	1	14.3	0	0.0	0	0.0
Pleasants	1	13.0	3	46.9	2	35.7	2	39.2	1	13.3
Pocahontas	2	21.7	0	0.0	0	0.0	3	34.1	0	0.0
Preston	0	0.0	0	0.0	0	0.0	4	10.6	2	6.0
Putnam	6	9.8	1	1.7	3	5.1	3	4.9	1	1.7
Raleigh	6	6.5	5	5.2	4	4.1	8	8.2	8	8.0
Randolph	4	12.3	1	3.4	3	10.6	3	9.9	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	1	6.4	0	0.0	0	0.0
Summers	0	0.0	1	8.1	0	0.0	0	0.0	0	0.0
Taylor	0	0.0	0	0.0	1	5.6	1	5.6	4	21.2
Tucker	0	0.0	1	14.5	0	0.0	0	0.0	0	0.0
Tyler	0	0.0	1	10.0	1	12.5	0	0.0	0	0.0
Upshur	1	3.9	2	7.5	0	0.0	3	10.9	2	6.9
Wayne	1	2.2	1	2.4	4	10.9	0	0.0	0	0.0
Webster	1	9.2	1	7.5	0	0.0	0	0.0	0	0.0
Wetzel	2	11.7	0	0.0	1	5.9	0	0.0	2	12.1
Wirt	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wood	5	5.2	1	1.0	2	2.1	13	13.1	4	4.5
Wyoming	1	3.9	2	7.5	3	11.4	1	4.0	6	25.5
Total	94	4.4	121	5.7	83	4.1	90	4.3	88	4.2

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

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

# Heart Disease Mortality Rates\* by County West Virginia Resident Deaths, 2008-2012 Exhibit 18



West Virginia Bureau for Public Health  
Health Statistics Center, 2015

# Malignant Neoplasm Mortality Rates\* by County

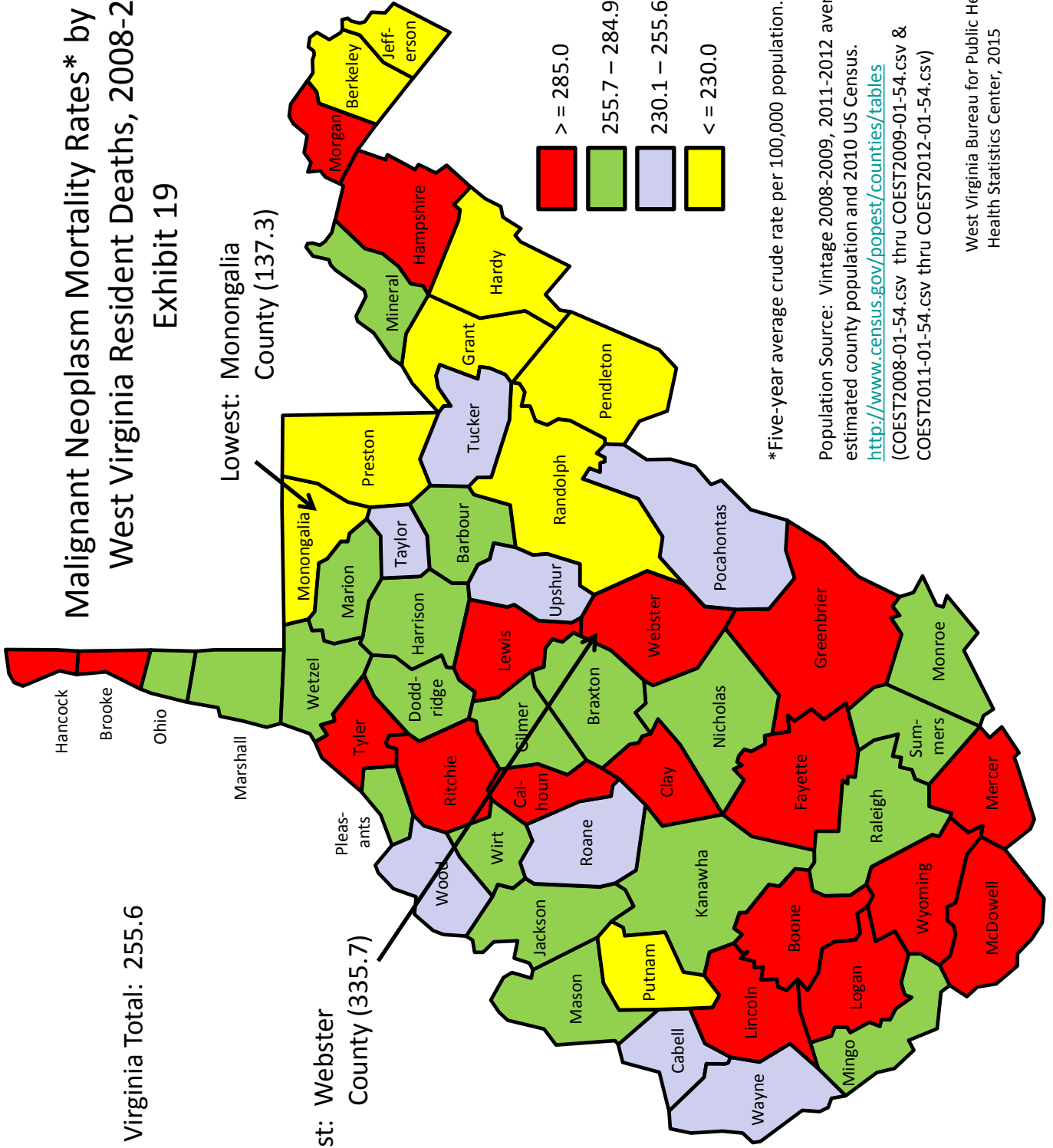
## West Virginia Resident Deaths, 2008-2012

### Exhibit 19

West Virginia Total: 255.6

Lowest: Monongalia County (137.3)

Highest: Webster County (335.7)



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

Population Source: Vintage 2008-2009, 2011-2012 average estimated county population and 2010 US Census.

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

(COEST2008-01-54.csv thru COEST2009-01-54.csv & COEST2011-01-54.csv thru COEST2012-01-54.csv)

West Virginia Bureau for Public Health  
Health Statistics Center, 2015



Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61

Selected Causes of Death	Number and Rate by County							
	Barbour		Berkeley		Boone		Braxton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	6	4.3	0	0.0	0	0.0
Total Deaths, All Causes	208	12.6	888	8.3	280	11.4	194	13.4
--Deaths Under One Year	0	0.0	11	7.8	0	0.0	0	0.0
--Deaths Under 28 Days	0	0.0	7	5.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	12.1	15	14.0	4	16.3	2	13.8
Human Immunodeficiency Virus Infection	0	0.0	2	1.9	0	0.0	0	0.0
Malignant Neoplasms	53	321.3	200	186.7	65	265.5	48	331.8
--of Digestive Organs	15	90.9	52	48.6	10	40.9	18	124.4
----Colon	3	18.2	16	14.9	5	20.4	7	48.4
----Pancreas	5	30.3	17	15.9	4	16.3	2	13.8
--of Respiratory and Intrathoracic Organs	13	78.8	70	65.4	24	98.0	11	76.0
----Trachea, Bronchus and Lung	13	78.8	69	64.4	23	94.0	10	69.1
--of Breast	4	24.3	16	14.9	5	20.4	4	27.6
--of Genitourinary Organs	6	36.4	20	18.7	12	49.0	7	48.4
----Cervix Uteri	0	0.0	4	3.7	1	4.1	1	6.9
----Ovary	0	0.0	3	2.8	3	12.3	0	0.0
----Prostate	4	24.3	5	4.7	3	12.3	2	13.8
----Bladder	0	0.0	4	3.7	2	8.2	2	13.8
--All Other (Malignant Neoplasms)	15	90.9	42	39.2	14	57.2	8	55.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	18.2	4	3.7	0	0.0	1	6.9
Diabetes Mellitus	5	30.3	23	21.5	15	61.3	7	48.4
Dementia	8	48.5	34	31.7	12	49.0	9	62.2
Alzheimer's Disease	8	48.5	40	37.3	10	40.9	8	55.3
Major Cardiovascular Disease	54	327.4	232	216.6	67	273.7	51	352.5
--Diseases of the Heart	42	254.7	184	171.8	53	216.5	40	276.5
----Ischemic Heart Disease	25	151.6	119	111.1	41	167.5	28	193.5
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	2	1.9	2	8.2	2	13.8
--Cerebrovascular Diseases (Stroke)	10	60.6	44	41.1	10	40.9	8	55.3
--Arteriosclerosis	2	12.1	0	0.0	0	0.0	1	6.9
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	1.9	2	8.2	0	0.0
Influenza and Pneumonia	2	12.1	15	14.0	3	12.3	4	27.6
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	2	12.1	15	14.0	3	12.3	4	27.6
Chronic Lower Respiratory Diseases	19	115.2	60	56.0	25	102.1	12	82.9
--Bronchitis, Emphysema and Asthma	2	12.1	4	3.7	1	4.1	1	6.9
Lung Diseases due to External Agents	2	12.1	6	5.6	2	8.2	1	6.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	2	8.2	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	9	8.4	3	12.3	3	20.7
Nephritis, Nephrotic Syndrome and Nephrosis	5	30.3	16	14.9	2	8.2	3	20.7
Congenital Malformations	2	12.1	5	4.7	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	3	18.2	10	9.3	1	4.1	2	13.8
Accidents, All Forms	17	103.1	69	64.4	29	118.5	13	89.9
--Motor Vehicle	7	42.4	16	14.9	6	24.5	3	20.7
--Falls	2	12.1	16	14.9	3	12.3	3	20.7
--Drownings	0	0.0	0	0.0	0	0.0	1	6.9
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	5	30.3	30	28.0	17	69.5	4	27.6
--Other Accidents	3	18.2	7	6.5	3	12.3	2	13.8
Intentional Self-Harm (Suicide)	3	18.2	21	19.6	4	16.3	2	13.8
Assault (Homicide)	1	6.1	3	2.8	4	16.3	1	6.9
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	1.9	0	0.0	1	6.9
All Other Causes (Residual)	21	127.3	122	113.9	34	138.9	26	179.7

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Brooke		Cabell		Calhoun		Clay	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	2	1.6	0	0.0	0	0.0
Total Deaths, All Causes	315	13.2	1,057	10.9	103	13.5	111	11.9
--Deaths Under One Year	2	10.8	15	12.1	2	29.0	1	8.5
--Deaths Under 28 Days	2	10.8	10	8.1	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	7	29.3	17	17.5	2	26.3	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	2	2.1	0	0.0	0	0.0
Malignant Neoplasms	53	222.2	243	250.6	30	394.4	27	290.4
--of Digestive Organs	14	58.7	48	49.5	8	105.2	4	43.0
----Colon	5	21.0	12	12.4	3	39.4	2	21.5
----Pancreas	2	8.4	9	9.3	3	39.4	1	10.8
--of Respiratory and Intrathoracic Organs	18	75.5	85	87.7	10	131.5	10	107.6
----Trachea, Bronchus and Lung	17	71.3	83	85.6	10	131.5	9	96.8
--of Breast	6	25.2	13	13.4	0	0.0	1	10.8
--of Genitourinary Organs	5	21.0	35	36.1	2	26.3	6	64.5
----Cervix Uteri	0	0.0	1	1.0	1	13.1	1	10.8
----Ovary	1	4.2	10	10.3	0	0.0	1	10.8
----Prostate	2	8.4	10	10.3	0	0.0	0	0.0
----Bladder	2	8.4	5	5.2	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	10	41.9	62	63.9	10	131.5	6	64.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	12.6	4	4.1	0	0.0	1	10.8
Diabetes Mellitus	4	16.8	56	57.7	5	65.7	5	53.8
Dementia	16	67.1	71	73.2	1	13.1	5	53.8
Alzheimer's Disease	12	50.3	24	24.7	0	0.0	3	32.3
Major Cardiovascular Disease	113	473.7	265	273.3	35	460.1	27	290.4
--Diseases of the Heart	90	377.3	193	199.0	22	289.2	20	215.1
----Ischemic Heart Disease	45	188.7	117	120.7	19	249.8	16	172.1
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	16	16.5	3	39.4	1	10.8
--Cerebrovascular Diseases (Stroke)	19	79.7	45	46.4	10	131.5	5	53.8
--Arteriosclerosis	0	0.0	3	3.1	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	4	16.8	8	8.2	0	0.0	1	10.8
Influenza and Pneumonia	10	41.9	19	19.6	0	0.0	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	10	41.9	19	19.6	0	0.0	0	0.0
Chronic Lower Respiratory Diseases	23	96.4	57	58.8	9	118.3	11	118.3
--Bronchitis, Emphysema and Asthma	0	0.0	3	3.1	1	13.1	1	10.8
Lung Diseases due to External Agents	1	4.2	8	8.2	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	12.6	17	17.5	3	39.4	2	21.5
Nephritis, Nephrotic Syndrome and Nephrosis	13	54.5	24	24.7	1	13.1	1	10.8
Congenital Malformations	1	4.2	4	4.1	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	3	12.6	26	26.8	0	0.0	3	32.3
Accidents, All Forms	13	54.5	62	63.9	4	52.6	7	75.3
--Motor Vehicle	2	8.4	10	10.3	2	26.3	2	21.5
--Falls	1	4.2	15	15.5	0	0.0	1	10.8
--Drownings	1	4.2	3	3.1	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	2	2.1	0	0.0	0	0.0
--Poisonings	7	29.3	25	25.8	2	26.3	4	43.0
--Other Accidents	2	8.4	7	7.2	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	4	16.8	11	11.3	2	26.3	3	32.3
Assault (Homicide)	2	8.4	5	5.2	1	13.1	4	43.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	3	3.1	0	0.0	0	0.0
All Other Causes (Residual)	34	142.5	139	143.3	10	131.5	12	129.1

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Doddridge		Fayette		Gilmer		Grant	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	4	7.5	0	0.0	0	0.0
Total Deaths, All Causes	83	10.1	638	13.9	83	9.5	126	10.7
--Deaths Under One Year	0	0.0	1	1.9	1	15.9	0	0.0
--Deaths Under 28 Days	0	0.0	1	1.9	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	9	19.6	0	0.0	2	16.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	21	256.8	123	268.2	20	229.0	24	203.1
--of Digestive Organs	1	12.2	22	48.0	6	68.7	6	50.8
----Colon	0	0.0	14	30.5	2	22.9	2	16.9
----Pancreas	0	0.0	3	6.5	2	22.9	0	0.0
--of Respiratory and Intrathoracic Organs	12	146.7	50	109.0	4	45.8	6	50.8
----Trachea, Bronchus and Lung	11	134.5	48	104.6	4	45.8	6	50.8
--of Breast	0	0.0	4	8.7	0	0.0	1	8.5
--of Genitourinary Organs	3	36.7	12	26.2	1	11.5	1	8.5
----Cervix Uteri	0	0.0	1	2.2	0	0.0	0	0.0
----Ovary	0	0.0	1	2.2	0	0.0	0	0.0
----Prostate	0	0.0	7	15.3	1	11.5	1	8.5
----Bladder	1	12.2	1	2.2	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	5	61.1	35	76.3	9	103.1	10	84.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	12.2	2	4.4	1	11.5	0	0.0
Diabetes Mellitus	2	24.5	18	39.2	4	45.8	2	16.9
Dementia	1	12.2	45	98.1	5	57.3	2	16.9
Alzheimer's Disease	1	12.2	12	26.2	3	34.4	2	16.9
Major Cardiovascular Disease	20	244.6	184	401.1	24	274.9	48	406.2
--Diseases of the Heart	15	183.4	142	309.6	20	229.0	36	304.7
----Ischemic Heart Disease	11	134.5	95	207.1	13	148.9	29	245.4
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	7	15.3	0	0.0	1	8.5
--Cerebrovascular Diseases (Stroke)	5	61.1	30	65.4	4	45.8	4	33.9
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	5	42.3
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	5	10.9	0	0.0	2	16.9
Influenza and Pneumonia	1	12.2	9	19.6	0	0.0	1	8.5
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	1	12.2	9	19.6	0	0.0	1	8.5
Chronic Lower Respiratory Diseases	8	97.8	49	106.8	2	22.9	6	50.8
--Bronchitis, Emphysema and Asthma	0	0.0	4	8.7	0	0.0	1	8.5
Lung Diseases due to External Agents	0	0.0	9	19.6	1	11.5	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	1	2.2	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	7	15.3	2	22.9	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	20	43.6	1	11.5	4	33.9
Congenital Malformations	0	0.0	2	4.4	2	22.9	1	8.5
Ill-Defined and Unknown Causes of Death	2	24.5	11	24.0	1	11.5	1	8.5
Accidents, All Forms	6	73.4	51	111.2	7	80.2	9	76.2
--Motor Vehicle	1	12.2	13	28.3	3	34.4	7	59.2
--Falls	1	12.2	4	8.7	2	22.9	0	0.0
--Drownings	0	0.0	3	6.5	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	4	8.7	0	0.0	0	0.0
--Poisonings	3	36.7	21	45.8	1	11.5	2	16.9
--Other Accidents	1	12.2	6	13.1	1	11.5	0	0.0
Intentional Self-Harm (Suicide)	3	36.7	6	13.1	1	11.5	2	16.9
Assault (Homicide)	4	48.9	2	4.4	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	2.2	0	0.0	0	0.0
All Other Causes (Residual)	13	159.0	78	170.0	9	103.1	22	186.2

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

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Greenbrier		Hampshire		Hancock		Hardy	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	467	13.0	250	10.5	415	13.7	129	9.3
--Deaths Under One Year	1	2.4	1	4.5	3	10.0	2	13.6
--Deaths Under 28 Days	0	0.0	1	4.5	3	10.0	1	6.8
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	8.4	2	8.4	13	42.9	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	103	287.5	78	329.0	99	326.7	29	209.1
--of Digestive Organs	27	75.4	22	92.8	21	69.3	8	57.7
----Colon	10	27.9	7	29.5	3	9.9	3	21.6
----Pancreas	13	36.3	5	21.1	6	19.8	2	14.4
--of Respiratory and Intrathoracic Organs	30	83.8	22	92.8	40	132.0	9	64.9
----Trachea, Bronchus and Lung	28	78.2	20	84.4	39	128.7	8	57.7
--of Breast	6	16.8	6	25.3	7	23.1	1	7.2
--of Genitourinary Organs	12	33.5	11	46.4	14	46.2	6	43.3
----Cervix Uteri	2	5.6	2	8.4	0	0.0	0	0.0
----Ovary	2	5.6	2	8.4	2	6.6	2	14.4
----Prostate	1	2.8	2	8.4	4	13.2	0	0.0
----Bladder	3	8.4	4	16.9	4	13.2	0	0.0
--All Other (Malignant Neoplasms)	28	78.2	17	71.7	17	56.1	5	36.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	8.4	2	8.4	1	3.3	0	0.0
Diabetes Mellitus	11	30.7	3	12.7	10	33.0	2	14.4
Dementia	15	41.9	4	16.9	19	62.7	2	14.4
Alzheimer's Disease	14	39.1	6	25.3	5	16.5	1	7.2
Major Cardiovascular Disease	149	416.0	68	286.8	135	445.5	52	375.0
--Diseases of the Heart	112	312.7	54	227.8	112	369.6	38	274.1
----Ischemic Heart Disease	54	150.8	34	143.4	71	234.3	19	137.0
--Essential Hypertension and Hypertensive Renal Disease	4	11.2	1	4.2	2	6.6	3	21.6
--Cerebrovascular Diseases (Stroke)	23	64.2	11	46.4	16	52.8	10	72.1
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	1	7.2
--Other Diseases of Arteries, Arterioles and Capillaries	10	27.9	2	8.4	5	16.5	0	0.0
Influenza and Pneumonia	12	33.5	5	21.1	18	59.4	3	21.6
--Influenza	1	2.8	0	0.0	0	0.0	1	7.2
--Pneumonia	11	30.7	5	21.1	18	59.4	2	14.4
Chronic Lower Respiratory Diseases	28	78.2	8	33.7	17	56.1	4	28.8
--Bronchitis, Emphysema and Asthma	4	11.2	0	0.0	4	13.2	0	0.0
Lung Diseases due to External Agents	4	11.2	1	4.2	4	13.2	1	7.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	16.8	3	12.7	2	6.6	3	21.6
Nephritis, Nephrotic Syndrome and Nephrosis	7	19.5	9	38.0	8	26.4	3	21.6
Congenital Malformations	0	0.0	0	0.0	2	6.6	0	0.0
Ill-Defined and Unknown Causes of Death	9	25.1	1	4.2	12	39.6	0	0.0
Accidents, All Forms	28	78.2	15	63.3	20	66.0	8	57.7
--Motor Vehicle	10	27.9	7	29.5	2	6.6	4	28.8
--Falls	2	5.6	2	8.4	4	13.2	0	0.0
--Drownings	1	2.8	1	4.2	1	3.3	0	0.0
--Smoke, Fires and Flames	1	2.8	0	0.0	0	0.0	0	0.0
--Poisonings	11	30.7	3	12.7	7	23.1	2	14.4
--Other Accidents	3	8.4	2	8.4	6	19.8	2	14.4
Intentional Self-Harm (Suicide)	7	19.5	4	16.9	8	26.4	3	21.6
Assault (Homicide)	6	16.8	1	4.2	4	13.2	1	7.2
Injury Undetermined Whether Accidental or Purposely Inflicted	4	11.2	1	4.2	1	3.3	0	0.0
All Other Causes (Residual)	58	161.9	39	164.5	37	122.1	17	122.6

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Harrison		Jackson		Jefferson		Kanawha	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	3.8	1	3.1	4	6.9	11	5.0
Total Deaths, All Causes	830	12.0	343	11.7	447	8.2	2,398	12.5
--Deaths Under One Year	5	6.3	3	9.2	1	1.7	19	8.6
--Deaths Under 28 Days	4	5.0	2	6.1	0	0.0	12	5.4
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	8	11.6	2	6.8	4	7.3	36	18.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	1.8	4	2.1
Malignant Neoplasms	179	258.9	73	249.7	91	167.0	525	273.2
--of Digestive Organs	43	62.2	12	41.0	26	47.7	123	64.0
----Colon	11	15.9	5	17.1	9	16.5	37	19.3
----Pancreas	17	24.6	1	3.4	9	16.5	40	20.8
--of Respiratory and Intrathoracic Organs	54	78.1	26	88.9	26	47.7	164	85.3
----Trachea, Bronchus and Lung	53	76.7	25	85.5	24	44.0	157	81.7
--of Breast	17	24.6	1	3.4	2	3.7	43	22.4
--of Genitourinary Organs	22	31.8	14	47.9	8	14.7	56	29.1
----Cervix Uteri	1	1.4	1	3.4	0	0.0	4	2.1
----Ovary	3	4.3	0	0.0	0	0.0	11	5.7
----Prostate	7	10.1	6	20.5	4	7.3	20	10.4
----Bladder	5	7.2	3	10.3	3	5.5	10	5.2
--All Other (Malignant Neoplasms)	43	62.2	20	68.4	29	53.2	139	72.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	8	11.6	2	6.8	1	1.8	19	9.9
Diabetes Mellitus	34	49.2	15	51.3	7	12.8	66	34.3
Dementia	24	34.7	15	51.3	24	44.0	191	99.4
Alzheimer's Disease	29	41.9	17	58.2	13	23.9	80	41.6
Major Cardiovascular Disease	260	376.0	106	362.6	148	271.5	645	335.6
--Diseases of the Heart	200	289.3	61	208.7	106	194.5	454	236.2
----Ischemic Heart Disease	115	166.3	34	116.3	58	106.4	288	149.9
--Essential Hypertension and Hypertensive Renal Disease	11	15.9	5	17.1	4	7.3	36	18.7
--Cerebrovascular Diseases (Stroke)	42	60.7	23	78.7	34	62.4	136	70.8
--Arteriosclerosis	2	2.9	13	44.5	2	3.7	2	1.0
--Other Diseases of Arteries, Arterioles and Capillaries	5	7.2	4	13.7	2	3.7	17	8.8
Influenza and Pneumonia	20	28.9	13	44.5	12	22.0	34	17.7
--Influenza	2	2.9	0	0.0	0	0.0	1	0.5
--Pneumonia	18	26.0	13	44.5	12	22.0	33	17.2
Chronic Lower Respiratory Diseases	47	68.0	16	54.7	33	60.5	147	76.5
--Bronchitis, Emphysema and Asthma	2	2.9	0	0.0	3	5.5	8	4.2
Lung Diseases due to External Agents	3	4.3	1	3.4	2	3.7	13	6.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	0.5
Chronic Liver Disease and Cirrhosis	7	10.1	5	17.1	6	11.0	36	18.7
Nephritis, Nephrotic Syndrome and Nephrosis	19	27.5	6	20.5	5	9.2	64	33.3
Congenital Malformations	3	4.3	1	3.4	1	1.8	9	4.7
Ill-Defined and Unknown Causes of Death	11	15.9	6	20.5	6	11.0	33	17.2
Accidents, All Forms	40	57.9	22	75.3	27	49.5	135	70.2
--Motor Vehicle	10	14.5	12	41.0	6	11.0	20	10.4
--Falls	4	5.8	6	20.5	8	14.7	38	19.8
--Drownings	2	2.9	0	0.0	0	0.0	6	3.1
--Smoke, Fires and Flames	2	2.9	0	0.0	0	0.0	4	2.1
--Poisonings	15	21.7	2	6.8	12	22.0	54	28.1
--Other Accidents	7	10.1	2	6.8	1	1.8	13	6.8
Intentional Self-Harm (Suicide)	11	15.9	3	10.3	6	11.0	47	24.5
Assault (Homicide)	1	1.4	0	0.0	2	3.7	13	6.8
Injury Undetermined Whether Accidental or Purposely Inflicted	2	2.9	1	3.4	3	5.5	12	6.2
All Other Causes (Residual)	124	179.3	39	133.4	55	100.9	289	150.4

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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, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Lewis		Lincoln		Logan		McDowell	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	5.2	2	7.5	4	9.2	2	7.0
Total Deaths, All Causes	235	14.4	243	11.2	513	14.2	396	18.6
--Deaths Under One Year	6	31.3	1	3.7	3	6.9	3	10.5
--Deaths Under 28 Days	4	20.8	1	3.7	2	4.6	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	7	42.8	0	0.0	13	35.9	5	23.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	59	360.4	60	277.4	110	304.1	78	365.8
--of Digestive Organs	14	85.5	18	83.2	24	66.4	16	75.0
----Colon	4	24.4	7	32.4	9	24.9	4	18.8
----Pancreas	5	30.5	3	13.9	2	5.5	5	23.4
--of Respiratory and Intrathoracic Organs	14	85.5	20	92.5	47	129.9	32	150.1
----Trachea, Bronchus and Lung	13	79.4	19	87.9	44	121.7	30	140.7
--of Breast	4	24.4	6	27.7	2	5.5	4	18.8
--of Genitourinary Organs	10	61.1	5	23.1	11	30.4	8	37.5
----Cervix Uteri	0	0.0	1	4.6	0	0.0	1	4.7
----Ovary	2	12.2	0	0.0	1	2.8	1	4.7
----Prostate	2	12.2	2	9.2	3	8.3	2	9.4
----Bladder	2	12.2	0	0.0	2	5.5	1	4.7
--All Other (Malignant Neoplasms)	17	103.8	11	50.9	26	71.9	18	84.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	4.6	2	5.5	5	23.4
Diabetes Mellitus	9	55.0	11	50.9	22	60.8	17	79.7
Dementia	5	30.5	19	87.9	16	44.2	6	28.1
Alzheimer's Disease	4	24.4	7	32.4	6	16.6	5	23.4
Major Cardiovascular Disease	85	519.2	58	268.2	135	373.3	109	511.1
--Diseases of the Heart	65	397.0	45	208.1	102	282.0	91	426.7
----Ischemic Heart Disease	52	317.6	33	152.6	78	215.7	70	328.2
--Essential Hypertension and Hypertensive Renal Disease	8	48.9	2	9.2	4	11.1	8	37.5
--Cerebrovascular Diseases (Stroke)	10	61.1	9	41.6	25	69.1	10	46.9
--Arteriosclerosis	1	6.1	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	6.1	2	9.2	4	11.1	0	0.0
Influenza and Pneumonia	3	18.3	4	18.5	15	41.5	4	18.8
--Influenza	0	0.0	0	0.0	1	2.8	0	0.0
--Pneumonia	3	18.3	4	18.5	14	38.7	4	18.8
Chronic Lower Respiratory Diseases	11	67.2	20	92.5	47	129.9	40	187.6
--Bronchitis, Emphysema and Asthma	0	0.0	1	4.6	3	8.3	2	9.4
Lung Diseases due to External Agents	0	0.0	2	9.2	7	19.4	7	32.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	2.8	3	14.1
Chronic Liver Disease and Cirrhosis	2	12.2	4	18.5	6	16.6	7	32.8
Nephritis, Nephrotic Syndrome and Nephrosis	2	12.2	3	13.9	9	24.9	12	56.3
Congenital Malformations	1	6.1	0	0.0	1	2.8	1	4.7
Ill-Defined and Unknown Causes of Death	2	12.2	4	18.5	4	11.1	8	37.5
Accidents, All Forms	16	97.7	15	69.4	50	138.2	30	140.7
--Motor Vehicle	7	42.8	8	37.0	19	52.5	9	42.2
--Falls	3	18.3	0	0.0	4	11.1	2	9.4
--Drownings	0	0.0	0	0.0	2	5.5	0	0.0
--Smoke, Fires and Flames	0	0.0	2	9.2	1	2.8	1	4.7
--Poisonings	2	12.2	4	18.5	14	38.7	13	61.0
--Other Accidents	4	24.4	1	4.6	10	27.6	5	23.4
Intentional Self-Harm (Suicide)	4	24.4	4	18.5	4	11.1	6	28.1
Assault (Homicide)	2	12.2	1	4.6	7	19.4	1	4.7
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.1	0	0.0	1	2.8	4	18.8
All Other Causes (Residual)	22	134.4	30	138.7	58	160.4	51	239.1

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Marion		Marshall		Mason		Mercer	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	6	9.5	1	2.8	2	7.0	2	2.5
Total Deaths, All Causes	653	11.5	432	13.2	303	11.1	907	14.5
--Deaths Under One Year	3	4.8	0	0.0	1	3.5	6	7.6
--Deaths Under 28 Days	3	4.8	0	0.0	0	0.0	3	3.8
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	12	21.2	8	24.5	1	3.7	12	19.2
Human Immunodeficiency Virus Infection	0	0.0	1	3.1	0	0.0	0	0.0
Malignant Neoplasms	147	259.4	91	278.5	84	309.1	173	276.7
--of Digestive Organs	32	56.5	20	61.2	15	55.2	45	72.0
----Colon	11	19.4	9	27.5	9	33.1	18	28.8
----Pancreas	8	14.1	4	12.2	2	7.4	15	24.0
--of Respiratory and Intrathoracic Organs	47	82.9	30	91.8	35	128.8	66	105.6
----Trachea, Bronchus and Lung	46	81.2	30	91.8	35	128.8	62	99.2
--of Breast	8	14.1	5	15.3	7	25.8	6	9.6
--of Genitourinary Organs	21	37.1	12	36.7	11	40.5	15	24.0
----Cervix Uteri	1	1.8	0	0.0	0	0.0	0	0.0
----Ovary	2	3.5	1	3.1	2	7.4	0	0.0
----Prostate	6	10.6	2	6.1	3	11.0	3	4.8
----Bladder	3	5.3	2	6.1	4	14.7	5	8.0
--All Other (Malignant Neoplasms)	39	68.8	24	73.5	16	58.9	41	65.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	3.5	4	12.2	1	3.7	7	11.2
Diabetes Mellitus	21	37.1	15	45.9	15	55.2	33	52.8
Dementia	21	37.1	14	42.8	11	40.5	50	80.0
Alzheimer's Disease	13	22.9	16	49.0	14	51.5	10	16.0
Major Cardiovascular Disease	217	382.9	149	456.0	93	342.2	264	422.2
--Diseases of the Heart	170	299.9	117	358.1	64	235.5	194	310.3
----Ischemic Heart Disease	95	167.6	82	251.0	39	143.5	120	191.9
--Essential Hypertension and Hypertensive Renal Disease	11	19.4	5	15.3	5	18.4	10	16.0
--Cerebrovascular Diseases (Stroke)	30	52.9	22	67.3	22	80.9	52	83.2
--Arteriosclerosis	3	5.3	1	3.1	0	0.0	1	1.6
--Other Diseases of Arteries, Arterioles and Capillaries	3	5.3	4	12.2	2	7.4	7	11.2
Influenza and Pneumonia	10	17.6	10	30.6	1	3.7	15	24.0
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	10	17.6	10	30.6	1	3.7	15	24.0
Chronic Lower Respiratory Diseases	56	98.8	24	73.5	18	66.2	68	108.8
--Bronchitis, Emphysema and Asthma	0	0.0	1	3.1	1	3.7	4	6.4
Lung Diseases due to External Agents	9	15.9	4	12.2	0	0.0	10	16.0
--Coal Worker's Pneumoconiosis	0	0.0	1	3.1	0	0.0	3	4.8
Chronic Liver Disease and Cirrhosis	2	3.5	4	12.2	2	7.4	14	22.4
Nephritis, Nephrotic Syndrome and Nephrosis	9	15.9	12	36.7	4	14.7	23	36.8
Congenital Malformations	1	1.8	1	3.1	1	3.7	1	1.6
Ill-Defined and Unknown Causes of Death	6	10.6	2	6.1	5	18.4	16	25.6
Accidents, All Forms	26	45.9	23	70.4	15	55.2	57	91.2
--Motor Vehicle	8	14.1	7	21.4	7	25.8	12	19.2
--Falls	9	15.9	4	12.2	1	3.7	3	4.8
--Drownings	1	1.8	0	0.0	0	0.0	1	1.6
--Smoke, Fires and Flames	1	1.8	1	3.1	0	0.0	0	0.0
--Poisonings	5	8.8	9	27.5	4	14.7	34	54.4
--Other Accidents	2	3.5	2	6.1	3	11.0	7	11.2
Intentional Self-Harm (Suicide)	11	19.4	4	12.2	5	18.4	14	22.4
Assault (Homicide)	0	0.0	0	0.0	2	7.4	10	16.0
Injury Undetermined Whether Accidental or Purposely Inflicted	4	7.1	1	3.1	1	3.7	1	1.6
All Other Causes (Residual)	86	151.7	49	150.0	30	110.4	129	206.3

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 County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Mineral		Mingo		Monongalia		Monroe	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	3.3	1	2.8	4	3.9	0	0.0
Total Deaths, All Causes	293	10.5	348	13.3	652	6.5	165	12.3
--Deaths Under One Year	0	0.0	1	2.8	10	9.8	0	0.0
--Deaths Under 28 Days	0	0.0	0	0.0	8	7.9	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	14.3	6	23.0	10	10.0	1	7.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	1.0	0	0.0
Malignant Neoplasms	67	239.7	53	203.0	135	134.6	41	304.5
--of Digestive Organs	16	57.2	12	46.0	34	33.9	6	44.6
----Colon	3	10.7	3	11.5	10	10.0	3	22.3
----Pancreas	3	10.7	4	15.3	9	9.0	1	7.4
--of Respiratory and Intrathoracic Organs	24	85.8	15	57.5	35	34.9	13	96.6
----Trachea, Bronchus and Lung	23	82.3	14	53.6	35	34.9	13	96.6
--of Breast	5	17.9	6	23.0	10	10.0	5	37.1
--of Genitourinary Organs	4	14.3	4	15.3	19	18.9	4	29.7
----Cervix Uteri	0	0.0	1	3.8	0	0.0	0	0.0
----Ovary	1	3.6	1	3.8	6	6.0	0	0.0
----Prostate	1	3.6	0	0.0	6	6.0	1	7.4
----Bladder	2	7.2	0	0.0	2	2.0	1	7.4
--All Other (Malignant Neoplasms)	18	64.4	16	61.3	37	36.9	13	96.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	7.2	1	3.8	4	4.0	2	14.9
Diabetes Mellitus	10	35.8	16	61.3	22	21.9	1	7.4
Dementia	14	50.1	5	19.2	28	27.9	9	66.8
Alzheimer's Disease	11	39.3	7	26.8	23	22.9	5	37.1
Major Cardiovascular Disease	94	336.2	92	352.4	212	211.3	40	297.1
--Diseases of the Heart	78	279.0	72	275.8	157	156.5	29	215.4
----Ischemic Heart Disease	59	211.0	46	176.2	111	110.6	21	156.0
--Essential Hypertension and Hypertensive Renal Disease	5	17.9	4	15.3	13	13.0	1	7.4
--Cerebrovascular Diseases (Stroke)	9	32.2	15	57.5	38	37.9	10	74.3
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	7.2	1	3.8	4	4.0	0	0.0
Influenza and Pneumonia	4	14.3	17	65.1	12	12.0	1	7.4
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	4	14.3	17	65.1	12	12.0	1	7.4
Chronic Lower Respiratory Diseases	14	50.1	37	141.7	37	36.9	12	89.1
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	3	3.0	0	0.0
Lung Diseases due to External Agents	2	7.2	7	26.8	7	7.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	1	3.8	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	21.5	6	23.0	6	6.0	4	29.7
Nephritis, Nephrotic Syndrome and Nephrosis	9	32.2	11	42.1	13	13.0	4	29.7
Congenital Malformations	1	3.6	1	3.8	4	4.0	0	0.0
Ill-Defined and Unknown Causes of Death	2	7.2	12	46.0	7	7.0	4	29.7
Accidents, All Forms	14	50.1	40	153.2	28	27.9	14	104.0
--Motor Vehicle	6	21.5	11	42.1	10	10.0	4	29.7
--Falls	2	7.2	0	0.0	5	5.0	1	7.4
--Drownings	0	0.0	2	7.7	1	1.0	0	0.0
--Smoke, Fires and Flames	0	0.0	2	7.7	0	0.0	0	0.0
--Poisonings	3	10.7	19	72.8	8	8.0	6	44.6
--Other Accidents	3	10.7	6	23.0	4	4.0	3	22.3
Intentional Self-Harm (Suicide)	5	17.9	4	15.3	17	16.9	1	7.4
Assault (Homicide)	0	0.0	2	7.7	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	4	14.3	1	3.8	1	1.0	3	22.3
All Other Causes (Residual)	30	107.3	30	114.9	85	84.7	23	170.8



Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Morgan		Nicholas		Ohio		Pendleton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	1	2.0	0	0.0
Total Deaths, All Causes	189	10.8	355	13.5	611	13.9	103	13.6
--Deaths Under One Year	0	0.0	5	16.1	4	7.8	0	0.0
--Deaths Under 28 Days	0	0.0	1	3.2	3	5.9	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	22.9	7	26.7	5	11.3	1	13.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	2	4.5	0	0.0
Malignant Neoplasms	46	263.3	78	297.4	127	288.1	19	251.1
--of Digestive Organs	10	57.2	21	80.1	28	63.5	5	66.1
----Colon	3	17.2	9	34.3	10	22.7	0	0.0
----Pancreas	5	28.6	3	11.4	4	9.1	2	26.4
--of Respiratory and Intrathoracic Organs	13	74.4	24	91.5	38	86.2	7	92.5
----Trachea, Bronchus and Lung	11	63.0	23	87.7	36	81.7	7	92.5
--of Breast	2	11.4	7	26.7	6	13.6	1	13.2
--of Genitourinary Organs	8	45.8	6	22.9	19	43.1	3	39.7
----Cervix Uteri	1	5.7	0	0.0	1	2.3	1	13.2
----Ovary	2	11.4	3	11.4	2	4.5	0	0.0
----Prostate	1	5.7	0	0.0	8	18.2	1	13.2
----Bladder	1	5.7	1	3.8	2	4.5	0	0.0
--All Other (Malignant Neoplasms)	13	74.4	20	76.3	36	81.7	3	39.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	3.8	5	11.3	0	0.0
Diabetes Mellitus	6	34.3	9	34.3	18	40.8	6	79.3
Dementia	9	51.5	11	41.9	28	63.5	5	66.1
Alzheimer's Disease	15	85.9	10	38.1	8	18.2	2	26.4
Major Cardiovascular Disease	41	234.7	102	388.9	211	478.7	36	475.8
--Diseases of the Heart	31	177.4	75	285.9	161	365.3	32	422.9
----Ischemic Heart Disease	19	108.8	52	198.3	86	195.1	19	251.1
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	5	19.1	3	6.8	1	13.2
--Cerebrovascular Diseases (Stroke)	10	57.2	16	61.0	43	97.6	3	39.7
--Arteriosclerosis	0	0.0	1	3.8	2	4.5	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	5	19.1	2	4.5	0	0.0
Influenza and Pneumonia	2	11.4	5	19.1	23	52.2	4	52.9
--Influenza	0	0.0	0	0.0	1	2.3	0	0.0
--Pneumonia	2	11.4	5	19.1	22	49.9	4	52.9
Chronic Lower Respiratory Diseases	8	45.8	21	80.1	45	102.1	6	79.3
--Bronchitis, Emphysema and Asthma	0	0.0	2	7.6	0	0.0	1	13.2
Lung Diseases due to External Agents	1	5.7	7	26.7	5	11.3	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	1	3.8	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	5	19.1	1	2.3	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	5	28.6	7	26.7	7	15.9	2	26.4
Congenital Malformations	0	0.0	3	11.4	3	6.8	0	0.0
Ill-Defined and Unknown Causes of Death	2	11.4	6	22.9	7	15.9	2	26.4
Accidents, All Forms	16	91.6	32	122.0	18	40.8	7	92.5
--Motor Vehicle	5	28.6	6	22.9	3	6.8	2	26.4
--Falls	4	22.9	8	30.5	4	9.1	0	0.0
--Drownings	0	0.0	1	3.8	1	2.3	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	2	4.5	0	0.0
--Poisonings	6	34.3	11	41.9	4	9.1	0	0.0
--Other Accidents	1	5.7	6	22.9	4	9.1	5	66.1
Intentional Self-Harm (Suicide)	5	28.6	6	22.9	10	22.7	2	26.4
Assault (Homicide)	1	5.7	1	3.8	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	3.8	1	2.3	0	0.0
All Other Causes (Residual)	28	160.3	43	163.9	87	197.4	11	145.4

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Pleasants		Pocahontas		Preston		Putnam	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	13.3	0	0.0	2	6.0	1	1.7
Total Deaths, All Causes	96	12.6	106	12.2	356	10.5	583	10.3
--Deaths Under One Year	1	13.3	1	12.0	6	18.0	4	6.9
--Deaths Under 28 Days	1	13.3	1	12.0	2	6.0	3	5.2
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	52.7	0	0.0	10	29.6	10	17.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	23	302.8	19	218.6	68	201.0	125	221.5
--of Digestive Organs	5	65.8	2	23.0	14	41.4	23	40.8
----Colon	1	13.2	0	0.0	7	20.7	9	15.9
----Pancreas	0	0.0	0	0.0	1	3.0	7	12.4
--of Respiratory and Intrathoracic Organs	7	92.2	10	115.0	23	68.0	38	67.3
----Trachea, Bronchus and Lung	7	92.2	7	80.5	23	68.0	37	65.6
--of Breast	2	26.3	0	0.0	7	20.7	7	12.4
--of Genitourinary Organs	3	39.5	0	0.0	6	17.7	24	42.5
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	1.8
----Ovary	1	13.2	0	0.0	2	5.9	5	8.9
----Prostate	0	0.0	0	0.0	1	3.0	5	8.9
----Bladder	1	13.2	0	0.0	0	0.0	7	12.4
--All Other (Malignant Neoplasms)	6	79.0	7	80.5	18	53.2	33	58.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	26.3	0	0.0	2	5.9	4	7.1
Diabetes Mellitus	5	65.8	6	69.0	23	68.0	20	35.4
Dementia	6	79.0	3	34.5	7	20.7	42	74.4
Alzheimer's Disease	6	79.0	6	69.0	8	23.6	18	31.9
Major Cardiovascular Disease	23	302.8	37	425.7	125	369.5	164	290.6
--Diseases of the Heart	19	250.2	29	333.6	97	286.7	125	221.5
----Ischemic Heart Disease	16	210.7	12	138.1	67	198.0	85	150.6
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	0	0.0	7	20.7	4	7.1
--Cerebrovascular Diseases (Stroke)	4	52.7	8	92.0	17	50.2	24	42.5
--Arteriosclerosis	0	0.0	0	0.0	1	3.0	2	3.5
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	3	8.9	9	15.9
Influenza and Pneumonia	2	26.3	3	34.5	5	14.8	14	24.8
--Influenza	0	0.0	0	0.0	1	3.0	0	0.0
--Pneumonia	2	26.3	3	34.5	4	11.8	14	24.8
Chronic Lower Respiratory Diseases	7	92.2	4	46.0	22	65.0	36	63.8
--Bronchitis, Emphysema and Asthma	1	13.2	0	0.0	1	3.0	1	1.8
Lung Diseases due to External Agents	1	13.2	1	11.5	1	3.0	4	7.1
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	1.8
Chronic Liver Disease and Cirrhosis	0	0.0	1	11.5	1	3.0	5	8.9
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	2	23.0	6	17.7	13	23.0
Congenital Malformations	1	13.2	2	23.0	3	8.9	2	3.5
Ill-Defined and Unknown Causes of Death	2	26.3	4	46.0	3	8.9	17	30.1
Accidents, All Forms	4	52.7	3	34.5	18	53.2	38	67.3
--Motor Vehicle	1	13.2	1	11.5	4	11.8	11	19.5
--Falls	1	13.2	1	11.5	2	5.9	15	26.6
--Drownings	0	0.0	0	0.0	1	3.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	3.0	0	0.0
--Poisonings	0	0.0	1	11.5	6	17.7	7	12.4
--Other Accidents	2	26.3	0	0.0	4	11.8	5	8.9
Intentional Self-Harm (Suicide)	0	0.0	0	0.0	5	14.8	7	12.4
Assault (Homicide)	0	0.0	0	0.0	4	11.8	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	11.5	1	3.0	0	0.0
All Other Causes (Residual)	10	131.7	14	161.1	44	130.1	64	113.4

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Raleigh		Randolph		Ritchie		Roane	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	8	8.0	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	1,071	13.6	355	12.1	123	12.0	191	13.0
--Deaths Under One Year	3	3.0	3	9.0	1	11.0	1	5.8
--Deaths Under 28 Days	2	2.0	2	6.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	22	27.8	4	13.6	1	9.8	5	34.1
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	207	262.0	59	200.8	38	371.2	43	292.8
--of Digestive Organs	52	65.8	13	44.2	11	107.5	7	47.7
----Colon	15	19.0	5	17.0	6	58.6	1	6.8
----Pancreas	19	24.0	4	13.6	3	29.3	3	20.4
--of Respiratory and Intrathoracic Organs	61	77.2	17	57.9	18	175.8	14	95.3
----Trachea, Bronchus and Lung	55	69.6	17	57.9	17	166.1	14	95.3
--of Breast	14	17.7	5	17.0	0	0.0	6	40.9
--of Genitourinary Organs	28	35.4	6	20.4	3	29.3	8	54.5
----Cervix Uteri	1	1.3	2	6.8	0	0.0	0	0.0
----Ovary	3	3.8	0	0.0	0	0.0	3	20.4
----Prostate	11	13.9	3	10.2	0	0.0	2	13.6
----Bladder	6	7.6	1	3.4	1	9.8	1	6.8
--All Other (Malignant Neoplasms)	52	65.8	18	61.3	6	58.6	8	54.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	6	7.6	0	0.0	0	0.0	2	13.6
Diabetes Mellitus	27	34.2	11	37.4	4	39.1	8	54.5
Dementia	50	63.3	12	40.8	1	9.8	9	61.3
Alzheimer's Disease	19	24.0	18	61.3	3	29.3	10	68.1
Major Cardiovascular Disease	305	386.0	127	432.2	41	400.5	47	320.1
--Diseases of the Heart	223	282.2	86	292.7	33	322.4	30	204.3
----Ischemic Heart Disease	133	168.3	56	190.6	22	214.9	20	136.2
--Essential Hypertension and Hypertensive Renal Disease	17	21.5	4	13.6	3	29.3	4	27.2
--Cerebrovascular Diseases (Stroke)	56	70.9	30	102.1	5	48.8	12	81.7
--Arteriosclerosis	0	0.0	2	6.8	0	0.0	1	6.8
--Other Diseases of Arteries, Arterioles and Capillaries	9	11.4	5	17.0	0	0.0	0	0.0
Influenza and Pneumonia	15	19.0	2	6.8	2	19.5	6	40.9
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	15	19.0	2	6.8	2	19.5	6	40.9
Chronic Lower Respiratory Diseases	73	92.4	31	105.5	10	97.7	20	136.2
--Bronchitis, Emphysema and Asthma	8	10.1	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	20	25.3	4	13.6	0	0.0	1	6.8
--Coal Worker's Pneumoconiosis	5	6.3	0	0.0	0	0.0	1	6.8
Chronic Liver Disease and Cirrhosis	9	11.4	6	20.4	1	9.8	1	6.8
Nephritis, Nephrotic Syndrome and Nephrosis	35	44.3	4	13.6	3	29.3	2	13.6
Congenital Malformations	5	6.3	2	6.8	1	9.8	0	0.0
Ill-Defined and Unknown Causes of Death	32	40.5	3	10.2	2	19.5	5	34.1
Accidents, All Forms	98	124.0	17	57.9	6	58.6	10	68.1
--Motor Vehicle	15	19.0	3	10.2	2	19.5	3	20.4
--Falls	14	17.7	7	23.8	2	19.5	1	6.8
--Drownings	2	2.5	2	6.8	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	1	6.8
--Poisonings	54	68.3	5	17.0	1	9.8	3	20.4
--Other Accidents	13	16.5	0	0.0	1	9.8	2	13.6
Intentional Self-Harm (Suicide)	11	13.9	8	27.2	0	0.0	3	20.4
Assault (Homicide)	9	11.4	2	6.8	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	3	3.8	3	10.2	0	0.0	0	0.0
All Other Causes (Residual)	125	158.2	42	142.9	10	97.7	19	129.4

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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, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Summers		Taylor		Tucker		Tyler	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	4	21.2	0	0.0	0	0.0
Total Deaths, All Causes	171	12.4	179	10.5	88	12.6	116	12.8
--Deaths Under One Year	0	0.0	2	10.6	0	0.0	2	20.6
--Deaths Under 28 Days	0	0.0	1	5.3	0	0.0	2	20.6
Tuberculosis	0	0.0	1	5.9	0	0.0	0	0.0
Septicemia	6	43.7	2	11.8	1	14.3	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	24	174.7	32	188.3	14	200.1	19	210.2
--of Digestive Organs	6	43.7	9	53.0	2	28.6	6	66.4
----Colon	0	0.0	2	11.8	0	0.0	5	55.3
----Pancreas	3	21.8	1	5.9	2	28.6	0	0.0
--of Respiratory and Intrathoracic Organs	4	29.1	15	88.3	5	71.5	6	66.4
----Trachea, Bronchus and Lung	4	29.1	14	82.4	5	71.5	6	66.4
--of Breast	1	7.3	0	0.0	0	0.0	0	0.0
--of Genitourinary Organs	5	36.4	4	23.5	2	28.6	4	44.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	3	21.8	1	5.9	0	0.0	1	11.1
----Prostate	0	0.0	1	5.9	0	0.0	0	0.0
----Bladder	0	0.0	2	11.8	1	14.3	0	0.0
--All Other (Malignant Neoplasms)	8	58.2	4	23.5	5	71.5	3	33.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	7.3	0	0.0	2	28.6	1	11.1
Diabetes Mellitus	11	80.1	6	35.3	3	42.9	7	77.5
Dementia	10	72.8	9	53.0	3	42.9	3	33.2
Alzheimer's Disease	2	14.6	4	23.5	3	42.9	2	22.1
Major Cardiovascular Disease	51	371.3	57	335.5	30	428.9	35	387.3
--Diseases of the Heart	32	232.9	39	229.5	28	400.3	23	254.5
----Ischemic Heart Disease	21	152.9	29	170.7	20	285.9	20	221.3
--Essential Hypertension and Hypertensive Renal Disease	3	21.8	0	0.0	0	0.0	3	33.2
--Cerebrovascular Diseases (Stroke)	15	109.2	9	53.0	2	28.6	6	66.4
--Arteriosclerosis	0	0.0	9	53.0	0	0.0	1	11.1
--Other Diseases of Arteries, Arterioles and Capillaries	1	7.3	0	0.0	0	0.0	2	22.1
Influenza and Pneumonia	6	43.7	7	41.2	4	57.2	2	22.1
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	6	43.7	7	41.2	4	57.2	2	22.1
Chronic Lower Respiratory Diseases	13	94.6	16	94.2	6	85.8	11	121.7
--Bronchitis, Emphysema and Asthma	1	7.3	1	5.9	0	0.0	1	11.1
Lung Diseases due to External Agents	0	0.0	3	17.7	1	14.3	2	22.1
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	14.3	0	0.0
Chronic Liver Disease and Cirrhosis	1	7.3	4	23.5	1	14.3	1	11.1
Nephritis, Nephrotic Syndrome and Nephrosis	7	51.0	1	5.9	2	28.6	3	33.2
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	1	7.3	1	5.9	0	0.0	3	33.2
Accidents, All Forms	13	94.6	10	58.9	8	114.4	5	55.3
--Motor Vehicle	2	14.6	3	17.7	3	42.9	1	11.1
--Falls	2	14.6	1	5.9	2	28.6	1	11.1
--Drownings	0	0.0	0	0.0	1	14.3	0	0.0
--Smoke, Fires and Flames	0	0.0	1	5.9	0	0.0	0	0.0
--Poisonings	6	43.7	3	17.7	1	14.3	3	33.2
--Other Accidents	3	21.8	2	11.8	1	14.3	0	0.0
Intentional Self-Harm (Suicide)	2	14.6	4	23.5	1	14.3	2	22.1
Assault (Homicide)	0	0.0	1	5.9	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	7.3	1	5.9	0	0.0	0	0.0
All Other Causes (Residual)	22	160.2	20	117.7	9	128.7	20	221.3

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Upshur		Wayne		Webster		Wetzel	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	2	6.9	0	0.0	0	0.0	2	12.1
Total Deaths, All Causes	262	10.7	464	11.1	128	14.2	223	13.6
--Deaths Under One Year	3	10.3	4	9.3	0	0.0	1	6.1
--Deaths Under 28 Days	3	10.3	4	9.3	0	0.0	1	6.1
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	4	16.3	7	16.8	1	11.1	2	12.2
Human Immunodeficiency Virus Infection	0	0.0	1	2.4	0	0.0	0	0.0
Malignant Neoplasms	54	220.6	103	247.3	43	475.5	44	267.9
--of Digestive Organs	13	53.1	23	55.2	10	110.6	8	48.7
----Colon	1	4.1	6	14.4	3	33.2	1	6.1
----Pancreas	4	16.3	4	9.6	4	44.2	4	24.4
--of Respiratory and Intrathoracic Organs	14	57.2	39	93.6	7	77.4	12	73.1
----Trachea, Bronchus and Lung	14	57.2	34	81.6	7	77.4	11	67.0
--of Breast	2	8.2	5	12.0	5	55.3	4	24.4
--of Genitourinary Organs	6	24.5	15	36.0	6	66.3	5	30.4
----Cervix Uteri	0	0.0	1	2.4	0	0.0	0	0.0
----Ovary	2	8.2	2	4.8	1	11.1	4	24.4
----Prostate	3	12.3	4	9.6	2	22.1	0	0.0
----Bladder	1	4.1	1	2.4	0	0.0	1	6.1
--All Other (Malignant Neoplasms)	19	77.6	21	50.4	15	165.9	15	91.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	8.2	3	7.2	0	0.0	1	6.1
Diabetes Mellitus	11	44.9	20	48.0	4	44.2	11	67.0
Dementia	13	53.1	31	74.4	4	44.2	1	6.1
Alzheimer's Disease	2	8.2	11	26.4	1	11.1	2	12.2
Major Cardiovascular Disease	82	335.0	113	271.3	32	353.9	62	377.5
--Diseases of the Heart	59	241.0	81	194.5	27	298.6	49	298.4
----Ischemic Heart Disease	36	147.1	46	110.4	18	199.0	32	194.9
--Essential Hypertension and Hypertensive Renal Disease	2	8.2	5	12.0	3	33.2	1	6.1
--Cerebrovascular Diseases (Stroke)	16	65.4	21	50.4	2	22.1	12	73.1
--Arteriosclerosis	3	12.3	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	8.2	6	14.4	0	0.0	0	0.0
Influenza and Pneumonia	5	20.4	5	12.0	4	44.2	4	24.4
--Influenza	0	0.0	1	2.4	0	0.0	0	0.0
--Pneumonia	5	20.4	4	9.6	4	44.2	4	24.4
Chronic Lower Respiratory Diseases	25	102.1	36	86.4	11	121.6	25	152.2
--Bronchitis, Emphysema and Asthma	0	0.0	3	7.2	1	11.1	1	6.1
Lung Diseases due to External Agents	2	8.2	1	2.4	2	22.1	2	12.2
--Coal Worker's Pneumoconiosis	1	4.1	1	2.4	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	16.3	6	14.4	0	0.0	6	36.5
Nephritis, Nephrotic Syndrome and Nephrosis	5	20.4	7	16.8	3	33.2	7	42.6
Congenital Malformations	1	4.1	2	4.8	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	2	8.2	15	36.0	1	11.1	1	6.1
Accidents, All Forms	10	40.9	23	55.2	9	99.5	7	42.6
--Motor Vehicle	3	12.3	8	19.2	2	22.1	4	24.4
--Falls	2	8.2	5	12.0	3	33.2	1	6.1
--Drownings	1	4.1	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	1	6.1
--Poisonings	2	8.2	9	21.6	3	33.2	1	6.1
--Other Accidents	2	8.2	1	2.4	1	11.1	0	0.0
Intentional Self-Harm (Suicide)	3	12.3	10	24.0	0	0.0	3	18.3
Assault (Homicide)	2	8.2	2	4.8	3	33.2	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	4.1	2	4.8	0	0.0	2	12.2
All Other Causes (Residual)	34	138.9	66	158.5	10	110.6	43	261.8

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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 County  
West Virginia, 2012  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Wirt		Wood		Wyoming		Total	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	4	4.5	6	25.5	88	4.2
Total Deaths, All Causes	50	8.6	976	11.3	352	15.1	21,653	11.7
--Deaths Under One Year	0	0.0	6	6.7	3	12.8	152	7.3
--Deaths Under 28 Days	0	0.0	3	3.4	3	12.8	96	4.6
Tuberculosis	0	0.0	0	0.0	0	0.0	1	0.1
Septicemia	0	0.0	11	12.7	10	43.0	324	17.5
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	14	0.8
Malignant Neoplasms	8	136.8	202	233.0	65	279.3	4,642	250.2
--of Digestive Organs	2	34.2	40	46.1	14	60.2	1,062	57.2
----Colon	0	0.0	14	16.1	5	21.5	349	18.8
----Pancreas	1	17.1	10	11.5	4	17.2	290	15.6
--of Respiratory and Intrathoracic Organs	2	34.2	73	84.2	25	107.4	1,534	82.7
----Trachea, Bronchus and Lung	2	34.2	72	83.0	24	103.1	1,468	79.1
--of Breast	0	0.0	14	16.1	3	12.9	296	16.0
--of Genitourinary Organs	3	51.3	18	20.8	6	25.8	565	30.5
----Cervix Uteri	0	0.0	3	3.5	2	8.6	37	2.0
----Ovary	1	17.1	3	3.5	1	4.3	98	5.3
----Prostate	1	17.1	4	4.6	1	4.3	158	8.5
----Bladder	1	17.1	5	5.8	1	4.3	107	5.8
--All Other (Malignant Neoplasms)	1	17.1	57	65.7	17	73.0	1,185	63.9
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	5	5.8	0	0.0	124	6.7
Diabetes Mellitus	2	34.2	23	26.5	9	38.7	736	39.7
Dementia	0	0.0	23	26.5	15	64.5	996	53.7
Alzheimer's Disease	0	0.0	18	20.8	10	43.0	587	31.6
Major Cardiovascular Disease	20	342.1	378	436.0	93	399.6	6,443	347.3
--Diseases of the Heart	18	307.9	309	356.4	78	335.2	4,862	262.0
----Ischemic Heart Disease	12	205.2	158	182.2	50	214.8	3,066	165.2
--Essential Hypertension and Hypertensive Renal Disease	1	17.1	6	6.9	5	21.5	253	13.6
--Cerebrovascular Diseases (Stroke)	1	17.1	55	63.4	10	43.0	1,118	60.3
--Arteriosclerosis	0	0.0	2	2.3	0	0.0	61	3.3
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	6	6.9	0	0.0	149	8.0
Influenza and Pneumonia	0	0.0	21	24.2	4	17.2	422	22.7
--Influenza	0	0.0	0	0.0	0	0.0	9	0.5
--Pneumonia	0	0.0	21	24.2	4	17.2	413	22.3
Chronic Lower Respiratory Diseases	7	119.7	75	86.5	19	81.6	1,492	80.4
--Bronchitis, Emphysema and Asthma	0	0.0	5	5.8	2	8.6	83	4.5
Lung Diseases due to External Agents	1	17.1	3	3.5	9	38.7	185	10.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	6	25.8	30	1.6
Chronic Liver Disease and Cirrhosis	0	0.0	15	17.3	3	12.9	251	13.5
Nephritis, Nephrotic Syndrome and Nephrosis	2	34.2	13	15.0	7	30.1	465	25.1
Congenital Malformations	0	0.0	3	3.5	1	4.3	75	4.0
Ill-Defined and Unknown Causes of Death	0	0.0	15	17.3	5	21.5	342	18.4
Accidents, All Forms	4	68.4	41	47.3	44	189.1	1,351	72.8
--Motor Vehicle	0	0.0	9	10.4	12	51.6	354	19.1
--Falls	0	0.0	11	12.7	7	30.1	240	12.9
--Drownings	0	0.0	1	1.2	0	0.0	36	1.9
--Smoke, Fires and Flames	0	0.0	1	1.2	0	0.0	28	1.5
--Poisonings	1	17.1	13	15.0	22	94.5	510	27.5
--Other Accidents	3	51.3	6	6.9	3	12.9	183	9.9
Intentional Self-Harm (Suicide)	0	0.0	10	11.5	3	12.9	325	17.5
Assault (Homicide)	0	0.0	2	2.3	3	12.9	110	5.9
Injury Undetermined Whether Accidental or Purposely Inflicted	2	34.2	8	9.2	3	12.9	83	4.5
All Other Causes (Residual)	4	68.4	110	126.9	49	210.5	2,685	144.7

Marriages by Month of Occurrence  
West Virginia by County, 2012

Table 62

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	9	4	3	4	12	22	15	16	8	10	6	11	120
Berkeley	22	32	45	40	54	90	54	57	67	61	38	58	618
Boone	13	17	12	16	10	24	16	16	6	15	10	21	176
Braxton	3	9	3	7	11	9	10	7	19	15	7	17	117
Brooke	6	5	6	11	17	23	14	23	24	19	7	14	169
Cabell	20	53	38	37	81	88	57	64	70	73	32	57	670
Calhoun	1	4	4	4	6	11	3	5	6	4	1	6	55
Clay	8	1	4	8	10	4	8	5	4	10	6	8	76
Doddridge	1	1	1	3	3	8	8	8	5	6	3	5	52
Fayette	21	27	16	30	23	61	35	46	33	41	15	25	373
Gilmer	1	2	2	4	3	6	11	4	5	7	4	2	51
Grant	1	7	4	4	6	6	7	7	16	8	2	0	68
Greenbrier	4	11	12	14	25	49	33	27	39	21	18	15	268
Hampshire	1	14	4	6	11	12	11	12	15	11	2	7	106
Hancock	6	9	10	15	20	23	19	18	25	25	15	9	194
Hardy	2	4	4	7	7	13	14	11	10	11	3	10	96
Harrison	16	32	34	39	40	71	38	50	53	42	23	33	471
Jackson	11	12	12	14	23	30	18	19	17	26	11	16	209
Jefferson	10	15	13	15	32	41	30	23	37	33	11	17	277
Kanawha	66	80	100	103	124	174	119	119	143	135	85	119	1,367
Lewis	1	9	7	5	11	17	8	9	16	16	2	16	117
Lincoln	7	9	8	11	17	19	12	9	20	9	11	12	144
Logan	27	17	21	22	28	44	37	20	21	17	2	25	281
McDowell	6	20	16	21	21	24	16	14	20	19	12	16	205
Marion	17	17	25	20	36	58	49	44	49	44	16	24	399
Marshall	9	14	6	12	30	33	22	35	27	17	15	20	240
Mason	9	15	5	7	12	30	16	20	12	26	6	10	168
Mercer	18	33	32	41	41	75	62	52	55	52	22	42	525
Mineral	8	7	9	7	15	20	24	18	14	9	10	10	151
Mingo	7	19	17	21	31	35	16	24	20	19	17	11	237
Monongalia	20	21	31	36	75	92	69	80	74	71	33	60	662
Monroe	4	3	2	5	9	12	12	7	7	11	3	3	78
Morgan	3	6	12	8	8	18	9	13	9	10	2	3	101
Nicholas	12	20	15	19	23	26	23	20	21	28	10	20	237
Ohio	15	9	20	17	27	40	45	31	57	37	23	27	348
Pendleton	0	3	3	1	5	5	6	3	3	13	1	3	46
Pleasants	3	4	6	3	10	11	2	2	6	7	3	4	61
Pocahontas	3	2	6	2	4	8	4	4	4	6	3	8	54
Preston	9	8	8	13	11	35	17	33	25	34	9	8	210
Putnam	9	18	17	32	41	51	28	29	43	31	19	30	348
Raleigh	27	49	31	42	63	80	68	70	58	63	36	33	620
Randolph	6	9	12	12	19	30	35	25	23	25	9	19	224
Ritchie	2	4	4	2	3	9	6	8	7	5	1	10	61
Roane	5	6	7	5	12	13	16	7	13	7	4	11	106
Summers	3	5	5	7	8	12	11	7	7	6	5	6	82
Taylor	4	7	2	9	11	18	11	9	14	21	7	8	121
Tucker	0	2	5	6	3	11	10	10	6	8	3	4	68
Tyler	2	2	4	3	1	8	4	2	5	3	3	6	43
Upshur	7	11	14	14	25	24	16	27	26	23	8	18	213
Wayne	3	10	23	19	19	36	26	12	15	28	17	26	234
Webster	2	3	3	5	10	7	10	10	8	9	3	9	79
Wetzel	6	3	11	6	11	9	9	14	9	13	9	10	110
Wirt	1	0	2	2	2	5	0	5	5	2	1	3	28
Wood	31	44	45	41	67	88	69	54	61	71	38	58	667
Wyoming	13	16	3	17	14	29	17	21	15	16	14	20	195
Total	521	764	764	874	1,241	1,797	1,305	1,285	1,377	1,349	676	1,043	12,996

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Number of Marriages by County  
West Virginia, 2008-2012  
Table 63

County	2008	2009	2010	2011	2012	County	2008	2009	2010	2011	2012
Barbour	116	76	106	102	120	Monongalia	590	619	630	670	662
Berkeley	564	481	529	608	618	Monroe	95	70	71	66	78
Boone	208	201	170	248	176	Morgan	106	104	133	108	101
Braxton	112	97	109	92	117	Nicholas	231	227	237	257	237
Brooke	150	157	148	162	169	Ohio	344	332	348	340	348
Cabell	654	622	620	631	670	Pendleton	57	42	48	43	46
Calhoun	71	72	55	54	55	Pleasants	49	47	49	64	61
Clay	98	97	81	93	76	Pocahontas	75	70	71	61	54
Doddridge	60	45	36	49	52	Preston	199	190	201	193	210
Fayette	395	333	361	365	373	Putnam	337	353	357	387	348
Gilmer	71	67	54	53	51	Raleigh	598	554	635	621	620
Grant	89	77	97	70	68	Randolph	218	208	213	228	224
Greenbrier	264	236	243	277	268	Ritchie	65	53	59	65	61
Hampshire	98	101	95	136	106	Roane	134	102	97	103	106
Hancock	203	179	172	173	194	Summers	75	74	78	92	82
Hardy	77	85	104	88	96	Taylor	116	92	93	92	121
Harrison	533	484	489	537	471	Tucker	72	60	70	56	68
Jackson	219	191	221	173	209	Tyler	53	58	83	56	43
Jefferson	259	252	283	293	277	Upshur	200	180	206	207	213
Kanawha	1,439	1,352	1,373	1,453	1,367	Wayne	216	223	199	211	234
Lewis	146	114	141	128	117	Webster	68	78	77	93	79
Lincoln	150	163	159	170	144	Wetzel	118	114	119	104	110
Logan	263	330	272	310	281	Wirt	35	39	42	35	28
McDowell	174	168	193	189	205	Wood	668	628	576	639	667
Marion	383	435	429	395	399	Wyoming	220	190	162	190	195
Marshall	225	205	220	229	240	Total	13,025	12,468	12,662	13,271	12,996
Mason	192	178	199	197	168						
Mercer	461	525	445	578	525						
Mineral	171	168	171	172	151						
Mingo	241	270	233	265	237						

West Virginia Bureau for Public Health  
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Divorces and Annulments by County of Occurrence  
West Virginia, 2012  
Table 64

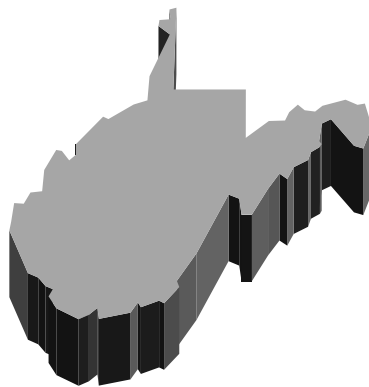
County	Number of Divorces	Number of Annulments	Total	County	Number of Divorces	Number of Annulments	Total
Barbour	72	0	72	Monongalia	241	0	241
Berkeley	476	0	476	Monroe	67	0	67
Boone	141	1	142	Morgan	67	0	67
Braxton	62	0	62	Nicholas	178	0	178
Brooke	104	0	104	Ohio	108	0	108
Cabell	391	0	391	Pendleton	28	0	28
Calhoun	34	0	34	Pleasants	38	0	38
Clay	63	0	63	Pocahontas	43	1	44
Doddridge	33	0	33	Preston	122	0	122
Fayette	289	0	289	Putnam	305	0	305
Gilmer	34	0	34	Raleigh	436	0	436
Grant	54	0	54	Randolph	86	0	86
Greenbrier	187	0	187	Ritchie	54	0	54
Hampshire	104	0	104	Roane	57	0	57
Hancock	159	1	160	Summers	57	0	57
Hardy	66	0	66	Taylor	78	0	78
Harrison	303	1	304	Tucker	26	0	26
Jackson	127	0	127	Tyler	43	0	43
Jefferson	248	0	248	Upshur	138	0	138
Kanawha	973	3	976	Wayne	266	1	267
Lewis	100	0	100	Webster	57	0	57
Lincoln	130	0	130	Wetzel	67	0	67
Logan	210	0	210	Wirt	35	0	35
McDowell	133	0	133	Wood	468	0	468
Marion	224	0	224	Wyoming	162	0	162
Marshall	155	1	156				
Mason	121	0	121				
Mercer	426	0	426	Total	8,922	10	8,932
Mineral	97	1	98				
Mingo	179	0	179				

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Divorces and Annulments by County of Occurrence  
West Virginia, 2008-2012  
Table 65

County	2008	2009	2010	2011	2012	County	2008	2009	2010	2011	2012
Barbour	106	63	73	88	72	Monongalia	251	257	263	277	241
Berkeley	354	386	391	445	476	Monroe	80	95	80	45	67
Boone	166	185	165	156	142	Morgan	60	82	69	81	67
Braxton	73	63	63	71	62	Nicholas	152	205	223	211	178
Brooke	100	90	107	104	104	Ohio	144	116	149	139	108
Cabell	440	483	511	474	391	Pendleton	24	22	37	37	28
Calhoun	47	36	48	46	34	Pleasants	34	38	43	40	38
Clay	55	94	73	71	63	Pocahontas	56	39	42	44	44
Doddridge	36	32	29	34	33	Preston	125	146	139	127	122
Fayette	278	283	248	275	289	Putnam	355	325	292	308	305
Gilmer	31	37	30	29	34	Raleigh	401	439	463	477	436
Grant	49	67	65	55	54	Randolph	48	109	92	98	86
Greenbrier	180	217	190	226	187	Ritchie	64	50	39	48	54
Hampshire	117	108	121	113	104	Roane	88	80	81	105	57
Hancock	129	138	127	160	160	Summers	107	71	72	62	57
Hardy	73	60	76	69	66	Taylor	91	63	92	107	78
Harrison	304	364	305	295	304	Tucker	27	37	32	34	26
Jackson	105	134	165	145	127	Tyler	35	47	54	52	43
Jefferson	241	241	221	227	248	Upshur	128	113	119	150	138
Kanawha	1,026	1,129	1,074	1,061	976	Wayne	241	243	255	286	267
Lewis	102	103	84	105	100	Webster	45	105	60	56	57
Lincoln	87	164	140	112	130	Wetzel	82	68	80	87	67
Logan	224	274	206	228	210	Wirt	29	27	34	34	35
McDowell	147	86	143	149	133	Wood	321	398	486	523	468
Marion	273	176	242	249	224	Wyoming	158	184	146	144	162
Marshall	134	127	142	141	156						
Mason	119	148	208	164	121	Total	8,903	9,420	9,431	9,620	8,932
Mercer	425	439	383	410	426						
Mineral	117	128	140	126	98						
Mingo	219	206	219	220	179						

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



Number and Rate of Births by City of Residence  
West Virginia, 2012  
Table 66

30 Most Populated Cities	2012 Population Estimate*	Resident Births	Rate per 1,000 Population
Beckley	17,606	218	12.4
Bluefield	10,502	148	14.1
Bridgeport	8,355	65	7.8
Buckhannon	5,645	56	9.9
Charles Town	5,385	80	14.9
Charleston	51,018	611	12.0
Clarksburg	16,439	218	13.3
Dunbar	7,851	82	10.4
Elkins	7,180	86	12.0
Fairmont	18,737	253	13.5
Grafton	5,177	60	11.6
Huntington	49,160	618	12.6
Hurricane	6,359	97	15.3
Keyser	5,337	56	10.5
Martinsburg	17,513	272	15.5
Morgantown	31,000	338	10.9
Moundsville	9,173	127	13.8
New Martinsville	5,350	62	11.6
Nitro	7,146	72	10.1
Oak Hill	7,713	96	12.4
Parkersburg	31,261	403	12.9
Point Pleasant	4,310	58	13.5
Princeton	6,464	88	13.6
Ranson	4,629	79	17.1
Saint Albans	10,973	134	12.2
South Charleston	13,340	154	11.5
Vienna	10,686	78	7.3
Weirton	19,503	188	9.6
Weston	4,081	44	10.8
Wheeling	28,213	348	12.3

\*Census Population Estimates for Incorporated Places in WV

Source: Population Division, U.S. Census Bureau - Release Date: July 1, 2012

West Virginia Bureau for Public Health  
Health Statistics Center, 2015

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2012  
Table 67

Selected Causes of Death	Number and Rate by City											
	Beckley		Bluefield		Bridgeport		Buckhannon		Charles Town			
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
Fetal Deaths	2	9.2	1	6.8	0	0.0	0	0.0	0	0.0		
Total Deaths, All Causes	260	14.8	172	16.4	94	11.3	62	11.0	58	10.8		
--Deaths Under One Year	0	0.0	1	6.8	0	0.0	2	35.7	0	0.0		
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	2	35.7	0	0.0		
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Septicemia	3	17.0	3	28.6	1	12.0	0	0.0	1	18.6		
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Malignant Neoplasms	46	261.3	33	314.2	13	155.6	9	159.4	7	130.0		
--of Digestive Organs	19	107.9	8	76.2	2	23.9	3	53.1	2	37.1		
----Colon	4	22.7	2	19.0	1	12.0	0	0.0	2	37.1		
----Pancreas	8	45.4	5	47.6	0	0.0	1	17.7	0	0.0		
--of Respiratory and Intrathoracic Organs	8	45.4	12	114.3	4	47.9	3	53.1	4	74.3		
----Trachea, Bronchus and Lung	5	28.4	12	114.3	3	35.9	3	53.1	3	55.7		
--of Breast	6	34.1	1	9.5	1	12.0	0	0.0	0	0.0		
--of Genitourinary Organs	3	17.0	4	38.1	1	12.0	0	0.0	1	18.6		
----Cervix Uteri	1	5.7	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	0	0.0		
----Prostate	2	11.4	1	9.5	1	12.0	0	0.0	0	0.0		
----Bladder	0	0.0	0	0.0	0	0.0	0	0.0	1	18.6		
--All Other (Malignant Neoplasms)	10	56.8	8	76.2	5	59.8	3	53.1	0	0.0		
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	11.4	1	9.5	1	12.0	1	17.7	1	18.6		
Diabetes Mellitus	9	51.1	6	57.1	5	59.8	3	53.1	1	18.6		
Dementia	13	73.8	4	38.1	6	71.8	4	70.9	6	111.4		
Alzheimer's Disease	5	28.4	0	0.0	8	95.8	0	0.0	1	18.6		
Major Cardiovascular Disease	76	431.7	58	552.3	30	359.1	22	389.7	22	408.5		
--Diseases of the Heart	52	295.4	41	390.4	24	287.3	13	230.3	12	222.8		
----Ischemic Heart Disease	33	187.4	27	257.1	11	131.7	7	124.0	7	130.0		
----Essential Hypertension and Hypertensive Renal Disease	6	34.1	3	28.6	3	35.9	2	35.4	1	18.6		
----Cerebrovascular Diseases (Stroke)	17	96.6	13	123.8	3	35.9	5	88.6	8	148.6		
--Arteriosclerosis	0	0.0	1	9.5	0	0.0	0	0.0	1	18.6		
--Other Diseases of Arteries, Arterioles and Capillaries	1	5.7	0	0.0	0	0.0	2	35.4	0	0.0		
Influenza and Pneumonia	4	22.7	0	0.0	4	47.9	2	35.4	2	37.1		
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Pneumonia	4	22.7	0	0.0	4	47.9	2	35.4	2	37.1		
Chronic Lower Respiratory Diseases	18	102.2	15	142.8	9	107.7	4	70.9	6	111.4		
--Bronchitis, Emphysema and Asthma	1	5.7	1	9.5	1	12.0	0	0.0	0	0.0		
Lung Diseases due to External Agents	3	17.0	1	9.5	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	0	0.0		
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	1	12.0	0	0.0	0	0.0		
Nephritis, Nephrotic Syndrome and Nephrosis	9	51.1	7	66.7	1	12.0	0	0.0	1	18.6		
Congenital Malformations	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Ill-Defined and Unknown Causes of Death	5	28.4	5	47.6	0	0.0	0	0.0	0	0.0		
Accidents, All Forms	23	130.6	7	66.7	1	12.0	5	88.6	2	37.1		
--Motor Vehicle	3	17.0	1	9.5	0	0.0	1	17.7	2	37.1		
--Falls	5	28.4	1	9.5	1	12.0	2	35.4	0	0.0		
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Poisonings	12	68.2	4	38.1	0	0.0	0	0.0	0	0.0		
--Other Accidents	3	17.0	1	9.5	0	0.0	1	17.7	0	0.0		
Intentional Self-Harm (Suicide)	2	11.4	2	19.0	1	12.0	0	0.0	0	0.0		
Assault (Homicide)	6	34.1	2	19.0	0	0.0	2	35.4	0	0.0		
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
All Other Causes (Residual)	36	204.5	28	266.6	13	155.6	9	159.4	8	148.6		

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

Selected Causes of Resident Deaths: Number and Rate\* by City  
 West Virginia, 2012  
 Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City											
	Charleston		Clarksburg		Dunbar		Elkins		Fairmont			
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
Fetal Deaths	4	6.5	1	4.6	0	0.0	0	0.0	2	7.9		
Total Deaths, All Causes	647	12.7	212	12.9	130	16.6	104	14.5	225	12.0		
--Deaths Under One Year	6	9.8	3	13.8	0	0.0	0	0.0	1	4.0		
--Deaths Under 28 Days	4	6.5	2	9.2	0	0.0	0	0.0	1	4.0		
Tuberculosis	8	15.7	1	6.1	2	25.5	2	27.9	3	16.0		
Septicemia	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0		
Human Immunodeficiency Virus Infection	127	248.9	52	316.3	29	369.4	16	222.8	54	288.2		
Malignant Neoplasms	33	64.7	14	85.2	11	140.1	4	55.7	14	74.7		
--of Digestive Organs	11	21.6	2	12.2	3	38.2	2	27.9	5	26.7		
----Colon	7	13.7	8	48.7	5	63.7	1	13.9	4	21.3		
----Pancreas	32	62.7	12	73.0	11	140.1	5	69.6	17	90.7		
--of Respiratory and Intrathoracic Organs	31	60.8	12	73.0	11	140.1	5	69.6	17	90.7		
----Trachea, Bronchus and Lung	12	23.5	6	36.5	0	0.0	3	41.8	4	21.3		
--of Breast	11	21.6	8	48.7	0	0.0	1	13.9	3	16.0		
--of Genitourinary Organs	2	3.9	1	6.1	0	0.0	0	0.0	0	0.0		
----Cervix Uteri	1	2.0	1	6.1	0	0.0	0	0.0	1	5.3		
----Ovary	6	11.8	2	12.2	0	0.0	1	13.9	1	5.3		
----Prostate	1	2.0	2	12.2	0	0.0	0	0.0	1	5.3		
----Bladder	39	76.4	12	73.0	7	89.2	3	41.8	16	85.4		
--All Other (Malignant Neoplasms)	3	5.9	3	18.2	0	0.0	0	0.0	0	0.0		
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	16	31.4	6	36.5	4	50.9	3	41.8	8	42.7		
Diabetes Mellitus	45	88.2	5	30.4	13	165.6	3	41.8	12	64.0		
Dementia	23	45.1	10	60.8	5	63.7	6	83.6	4	21.3		
Alzheimer's Disease	191	374.4	68	413.7	35	445.8	35	487.5	86	459.0		
Major Cardiovascular Disease	130	254.8	56	340.7	22	280.2	25	348.2	61	325.6		
--Diseases of the Heart	76	149.0	31	188.6	13	165.6	16	222.8	37	197.5		
----Ischemic Heart Disease	10	19.6	3	6.1	3	38.2	1	13.9	9	48.0		
----Essential Hypertension and Hypertensive Renal Disease	45	88.2	10	60.8	9	114.6	8	111.4	12	64.0		
--Cerebrovascular Diseases (Stroke)	2	3.9	0	0.0	0	0.0	0	0.0	3	16.0		
--Arteriosclerosis	4	7.8	1	6.1	1	12.7	1	13.9	1	5.3		
--Other Diseases of Arteries, Arterioles and Capillaries	7	13.7	5	30.4	3	38.2	1	13.9	2	10.7		
Influenza and Pneumonia	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Influenza	7	13.7	5	30.4	3	38.2	1	13.9	2	10.7		
--Pneumonia	35	68.6	10	60.8	10	127.4	9	125.3	15	80.1		
Chronic Lower Respiratory Diseases	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Bronchitis, Emphysema and Asthma	3	5.9	0	0.0	2	25.5	2	27.9	4	21.3		
--Lung Diseases due to External Agents	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
--Coal Worker's Pneumoconiosis	13	25.5	2	12.2	1	12.7	1	13.9	0	0.0		
Chronic Liver Disease and Cirrhosis	15	29.4	6	36.5	3	38.2	2	27.9	0	0.0		
Nephritis, Nephrotic Syndrome and Nephrosis	3	5.9	1	6.1	0	0.0	0	0.0	1	5.3		
Congenital Malformations	11	21.6	3	18.2	3	38.2	2	27.9	3	16.0		
Ill-Defined and Unknown Causes of Death	39	76.4	14	85.2	3	38.2	4	55.7	7	37.4		
Accidents, All Forms	3	5.9	3	18.2	0	0.0	0	0.0	1	5.3		
--Motor Vehicle	10	19.6	2	12.2	2	25.5	2	27.9	3	16.0		
--Falls	3	5.9	1	6.1	0	0.0	1	13.9	1	5.3		
--Drownings	0	0.0	1	6.1	0	0.0	0	0.0	1	5.3		
--Smoke, Fires and Flames	18	35.3	7	42.6	0	0.0	1	13.9	1	5.3		
--Poisonings	5	9.8	0	0.0	1	12.7	0	0.0	0	0.0		
--Other Accidents	10	19.6	2	12.2	0	0.0	2	27.9	2	10.7		
Intentional Self-Harm (Suicide)	6	11.8	0	0.0	0	0.0	0	0.0	0	0.0		
Assault (Homicide)	9	17.6	0	0.0	0	0.0	0	0.0	2	10.7		
Injury Undetermined Whether Accidental or Purposely Inflicted	82	160.7	24	146.0	15	191.1	16	222.8	22	117.4		
All Other Causes (Residual)												

\*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, 2012  
 Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City											
	Grafton		Huntington		Hurricane		Keyser		Martinsburg			
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	2	3.2	0	0.0	0	0.0	1	0.0	1	3.7
Total Deaths, All Causes	66	12.7	626	12.7	69	10.9	57	10.7	205	11.7	3	11.7
--Deaths Under One Year	0	0.0	10	16.2	0	0.0	0	0.0	3	11.0	0	0.0
--Deaths Under 28 Days	0	0.0	7	11.3	0	0.0	0	0.0	2	7.4	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	1	19.3	11	22.4	1	15.7	2	37.5	4	22.8	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	2	4.1	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	8	154.5	114	231.9	21	330.2	14	262.3	32	182.7	8	45.7
--of Digestive Organs	1	19.3	26	52.9	4	62.9	3	56.2	8	45.7	2	11.4
----Colon	0	0.0	4	8.1	4	62.9	2	37.5	2	11.4	1	5.7
----Pancreas	0	0.0	3	6.1	0	0.0	0	0.0	1	5.7	0	0.0
--of Respiratory and Intrathoracic Organs	2	38.6	39	79.3	4	62.9	4	74.9	11	62.8	0	0.0
----Trachea, Bronchus and Lung	1	19.3	38	77.3	3	47.2	3	56.2	11	62.8	0	0.0
--of Breast	0	0.0	5	10.2	2	31.5	1	18.7	1	5.7	0	0.0
--of Genitourinary Organs	1	19.3	19	38.6	7	110.1	1	18.7	5	28.6	0	0.0
----Cervix Uteri	1	19.3	1	2.0	0	0.0	0	0.0	1	5.7	0	0.0
----Ovary	1	19.3	7	14.2	3	47.2	0	0.0	0	0.0	0	0.0
----Prostate	0	0.0	0	0.0	2	31.5	1	18.7	2	11.4	0	0.0
----Bladder	0	0.0	0	0.0	2	31.5	1	18.7	1	5.7	0	0.0
--All Other (Malignant Neoplasms)	4	77.3	25	50.9	4	62.9	5	93.7	7	40.0	0	0.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	3	6.1	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	3	57.9	33	67.1	0	0.0	0	0.0	4	22.8	0	0.0
Dementia	4	77.3	40	81.4	2	31.5	0	0.0	11	62.8	0	0.0
Alzheimer's Disease	1	19.3	21	42.7	2	31.5	0	0.0	12	68.5	0	0.0
Major Cardiovascular Disease	23	444.3	148	301.1	22	346.0	19	356.0	55	314.1	0	0.0
--Diseases of the Heart	16	309.1	100	203.4	15	235.9	19	356.0	40	228.4	0	0.0
----Ischemic Heart Disease	13	251.1	57	115.9	11	173.0	13	243.6	24	137.0	0	0.0
----Essential Hypertension and Hypertensive Renal Disease	3	57.9	10	20.3	0	0.0	0	0.0	0	0.0	0	0.0
----Cerebrovascular Diseases (Stroke)	3	57.9	31	63.1	5	78.6	0	0.0	15	85.7	0	0.0
--Arteriosclerosis	4	77.3	1	2.0	1	15.7	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	6	12.2	1	15.7	0	0.0	0	0.0	0	0.0
Influenza and Pneumonia	4	77.3	15	30.5	0	0.0	0	0.0	5	28.6	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	4	77.3	15	30.5	0	0.0	0	0.0	5	28.6	0	0.0
Chronic Lower Respiratory Diseases	9	173.8	43	87.5	5	78.6	3	56.2	18	102.8	0	0.0
--Bronchitis, Emphysema and Asthma	1	19.3	1	2.0	0	0.0	0	0.0	2	11.4	0	0.0
Lung Diseases due to External Agents	1	19.3	3	6.1	1	15.7	1	18.7	3	17.1	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	19.3	9	18.3	0	0.0	2	37.5	4	22.8	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	1	19.3	18	36.6	4	62.9	3	56.2	5	28.6	0	0.0
Congenital Malformations	0	0.0	4	4.1	0	0.0	0	0.0	1	5.7	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	22	44.8	2	31.5	1	18.7	3	17.1	0	0.0
Accidents, All Forms	2	38.6	38	77.3	3	47.2	3	56.2	18	102.8	0	0.0
--Motor Vehicle	1	19.3	4	8.1	0	0.0	0	0.0	4	22.8	0	0.0
--Falls	1	19.3	9	18.3	2	31.5	2	37.5	5	28.6	0	0.0
--Drownings	0	0.0	2	4.1	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	0	0.0	18	36.6	0	0.0	1	18.7	5	28.6	0	0.0
--Other Accidents	0	0.0	4	8.1	1	15.7	0	0.0	4	22.8	0	0.0
Intentional Self-Harm (Suicide)	2	38.6	9	18.3	0	0.0	0	0.0	2	11.4	0	0.0
Assault (Homicide)	0	0.0	5	10.2	0	0.0	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	4.1	0	0.0	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	6	115.9	88	179.0	4	62.9	7	131.2	28	159.9	0	0.0

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



Selected Causes of Resident Deaths: Number and Rate\* by City  
 West Virginia, 2012  
 Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City											
	Morgantown		Moundsville		New Martinsville		Nitro		Oak Hill			
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	3.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	232	7.5	155	16.9	80	15.0	64	9.0	134	17.4	0	0.0
--Deaths Under One Year	4	11.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Deaths Under 28 Days	3	8.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	6	19.4	1	10.9	0	0.0	0	0.0	2	25.9	0	0.0
Human Immunodeficiency Virus Infection	1	3.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	50	161.3	31	337.9	13	243.0	13	181.9	17	220.4	3	38.9
--of Digestive Organs	13	41.9	7	76.3	1	18.7	4	56.0	3	38.9	2	25.9
----Colon	3	9.7	5	54.5	0	0.0	0	0.0	0	0.0	0	0.0
----Pancreas	3	9.7	1	10.9	1	18.7	1	14.0	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	15	48.4	8	87.2	3	56.1	4	56.0	8	103.7	0	0.0
----Trachea, Bronchus and Lung	15	48.4	8	87.2	2	37.4	4	56.0	7	90.8	0	0.0
--of Breast	5	16.1	2	21.8	0	0.0	0	0.0	0	0.0	0	0.0
--of Genitourinary Organs	6	19.4	4	43.6	4	74.8	1	14.0	3	38.9	0	0.0
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	2	6.5	0	0.0	3	56.1	0	0.0	1	13.0	0	0.0
----Prostate	3	9.7	1	10.9	0	0.0	1	14.0	1	13.0	0	0.0
----Bladder	0	0.0	2	21.8	1	18.7	0	0.0	1	13.0	0	0.0
--All Other (Malignant Neoplasms)	11	35.5	10	109.0	5	93.5	4	56.0	3	38.9	0	0.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	9.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	8	25.8	7	76.3	2	37.4	4	56.0	6	77.8	0	0.0
Dementia	10	32.3	6	65.4	1	18.7	4	56.0	9	116.7	0	0.0
Alzheimer's Disease	6	19.4	5	54.5	0	0.0	1	14.0	3	38.9	0	0.0
Major Cardiovascular Disease	80	258.1	55	599.6	25	467.3	23	321.9	44	570.5	0	0.0
--Diseases of the Heart	59	190.3	43	468.8	19	355.1	18	251.9	31	401.9	0	0.0
----Ischemic Heart Disease	38	122.6	29	316.1	13	243.0	13	181.9	26	337.1	0	0.0
----Essential Hypertension and Hypertensive Renal Disease	5	16.1	2	21.8	0	0.0	2	28.0	4	51.9	0	0.0
----Cerebrovascular Diseases (Stroke)	12	38.7	8	87.2	6	112.1	3	42.0	7	90.8	0	0.0
--Arteriosclerosis	0	0.0	1	10.9	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	4	12.9	1	10.9	0	0.0	0	0.0	2	25.9	0	0.0
Influenza and Pneumonia	3	9.7	1	10.9	0	0.0	2	28.0	2	25.9	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	3	9.7	1	10.9	0	0.0	2	28.0	2	25.9	0	0.0
Chronic Lower Respiratory Diseases	13	41.9	12	130.8	9	168.2	2	28.0	13	168.5	0	0.0
--Bronchitis, Emphysema and Asthma	1	3.2	0	0.0	1	18.7	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	2	6.5	2	21.8	2	37.4	0	0.0	3	38.9	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	6.5	2	21.8	3	56.1	2	28.0	5	64.8	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	1	3.2	2	21.8	4	74.8	2	28.0	3	38.9	0	0.0
Congenital Malformations	1	3.2	1	10.9	0	0.0	0	0.0	1	13.0	0	0.0
Ill-Defined and Unknown Causes of Death	4	12.9	1	10.9	0	0.0	1	14.0	1	13.0	0	0.0
Accidents, All Forms	7	22.6	7	76.3	3	56.1	4	56.0	4	51.9	0	0.0
--Motor Vehicle	1	3.2	0	0.0	2	37.4	0	0.0	0	0.0	0	0.0
--Falls	3	9.7	2	21.8	0	0.0	1	14.0	0	0.0	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	1	10.9	1	18.7	0	0.0	0	0.0	0	0.0
--Poisonings	1	3.2	4	43.6	0	0.0	2	28.0	3	38.9	0	0.0
--Other Accidents	2	6.5	0	0.0	0	0.0	1	14.0	1	13.0	0	0.0
Intentional Self-Harm (Suicide)	3	9.7	1	10.9	1	18.7	0	0.0	0	0.0	0	0.0
Assault (Homicide)	0	0.0	0	0.0	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	1	18.7	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	32	103.2	21	228.9	16	299.1	6	84.0	21	272.3	0	0.0

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

Selected Causes of Resident Deaths: Number and Rate\* by City  
 West Virginia, 2012  
 Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City											
	Parkersburg		Point Pleasant		Princeton		Ranson		Saint Albans		Rate	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
Fetal Deaths	4	9.9	0	0.0	0	0.0	0	0.0	2	0.0	14.9	
Total Deaths, All Causes	450	14.4	55	12.8	112	17.3	39	8.4	183	16.7	16.7	
--Deaths Under One Year	1	2.5	1	17.2	0	0.0	0	0.0	2	0.0	14.9	
--Deaths Under 28 Days	1	2.5	0	0.0	0	0.0	0	0.0	1	0.0	7.5	
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	
Septicemia	2	6.4	0	0.0	0	0.0	1	21.6	2	18.2	18.2	
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	
Malignant Neoplasms	83	265.5	16	371.2	20	309.4	7	151.2	40	364.5	364.5	
--of Digestive Organs	13	41.6	2	46.4	6	92.8	1	21.6	8	72.9	72.9	
----Colon	5	16.0	0	0.0	4	61.9	0	0.0	0	0.0	0.0	
----Pancreas	2	6.4	1	23.2	1	15.5	1	21.6	3	27.3	27.3	
--of Respiratory and Intrathoracic Organs	30	96.0	8	185.6	5	77.4	2	43.2	14	127.6	127.6	
----Trachea, Bronchus and Lung	29	92.8	8	185.6	5	77.4	2	43.2	14	127.6	127.6	
--of Breast	5	16.0	0	0.0	0	0.0	0	0.0	4	36.5	36.5	
--of Genitourinary Organs	8	25.6	2	46.4	3	46.4	3	64.8	4	36.5	36.5	
----Cervix Uteri	2	6.4	0	0.0	0	0.0	0	0.0	0	0.0	0.0	
----Ovary	1	3.2	1	23.2	0	0.0	0	0.0	1	9.1	9.1	
----Prostate	2	6.4	0	0.0	0	0.0	3	64.8	1	9.1	9.1	
----Bladder	1	3.2	1	23.2	1	15.5	0	0.0	0	0.0	0.0	
--All Other (Malignant Neoplasms)	27	86.4	4	92.8	6	92.8	1	21.6	10	91.1	91.1	
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	6.4	0	0.0	0	0.0	0	0.0	1	9.1	9.1	
Diabetes Mellitus	11	35.2	5	116.0	3	46.4	1	15.5	2	18.2	18.2	
Dementia	6	19.2	1	23.2	11	170.2	0	0.0	11	100.2	100.2	
Alzheimer's Disease	9	28.8	4	92.8	1	15.5	0	0.0	3	27.3	27.3	
Major Cardiovascular Disease	194	620.6	18	417.6	29	448.6	12	259.2	57	519.5	519.5	
--Diseases of the Heart	161	515.0	13	301.6	24	371.3	8	172.8	38	346.3	346.3	
----Ischemic Heart Disease	78	249.5	8	185.6	18	278.5	3	64.8	19	173.2	173.2	
----Essential Hypertension and Hypertensive Renal Disease	2	6.4	1	23.2	2	30.9	0	0.0	4	36.5	36.5	
----Cerebrovascular Diseases (Stroke)	30	96.0	4	92.8	3	46.4	2	43.2	14	127.6	127.6	
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	1	21.6	0	0.0	0.0	
--Other Diseases of Arteries, Arterioles and Capillaries	1	3.2	0	0.0	0	0.0	1	21.6	1	9.1	9.1	
Influenza and Pneumonia	8	25.6	0	0.0	2	30.9	0	0.0	3	27.3	27.3	
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	1	9.1	9.1	
--Pneumonia	8	25.6	0	0.0	2	30.9	0	0.0	2	18.2	18.2	
Chronic Lower Respiratory Diseases	38	121.6	3	69.6	8	123.8	4	86.4	12	109.4	109.4	
--Bronchitis, Emphysema and Asthma	3	9.6	0	0.0	0	0.0	1	21.6	0	0.0	0.0	
Lung Diseases due to External Agents	2	6.4	0	0.0	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	0	0.0	0.0	
Chronic Liver Disease and Cirrhosis	11	35.2	0	0.0	1	15.5	1	21.6	3	27.3	27.3	
Nephritis, Nephrotic Syndrome and Nephrosis	7	22.4	0	0.0	5	77.4	1	21.6	6	54.7	54.7	
Congenital Malformations	0	0.0	1	23.2	0	0.0	0	0.0	2	18.2	18.2	
Ill-Defined and Unknown Causes of Death	6	19.2	0	0.0	3	46.4	1	21.6	4	36.5	36.5	
Accidents, All Forms	19	60.8	0	0.0	11	170.2	2	43.2	9	82.0	82.0	
--Motor Vehicle	2	6.4	0	0.0	1	15.5	0	0.0	0	0.0	0.0	
--Falls	8	25.6	0	0.0	2	30.9	1	21.6	3	27.3	27.3	
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0	1	9.1	9.1	
--Smoke, Fires and Flames	1	3.2	0	0.0	0	0.0	0	0.0	0	0.0	0.0	
--Poisonings	4	12.8	0	0.0	8	123.8	1	21.6	3	27.3	27.3	
--Other Accidents	4	12.8	0	0.0	0	0.0	0	0.0	2	18.2	18.2	
Intentional Self-Harm (Suicide)	3	9.6	0	0.0	1	15.5	2	43.2	4	36.5	36.5	
Assault (Homicide)	1	3.2	1	23.2	1	15.5	0	0.0	1	9.1	9.1	
Injury Undetermined Whether Accidental or Purposely Inflicted	4	12.8	0	0.0	0	0.0	0	0.0	1	9.1	9.1	
All Other Causes (Residual)	44	140.8	6	139.2	15	232.1	5	108.0	22	200.5	200.5	

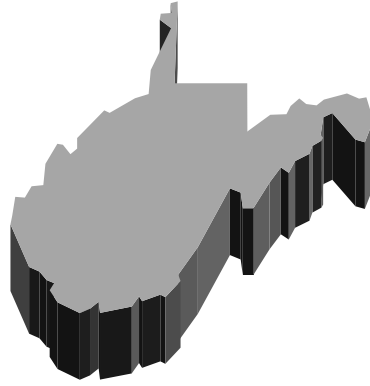
\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

Selected Causes of Resident Deaths: Number and Rate\* by City  
 West Virginia, 2012  
 Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City											
	South Charleston		Vienna		Weirton		Weston		Wheeling		Rate	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
Fetal Deaths	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	
Total Deaths, All Causes	153	11.5	124	11.6	249	12.8	66	16.2	444	15.7	15.7	
--Deaths Under One Year	1	6.5	1	12.8	0	0.0	1	22.7	3	8.6	8.6	
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	0	0.0	2	5.7	5.7	
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	
Septicemia	1	7.5	0	0.0	9	46.1	2	49.0	5	17.7	17.7	
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0	2	7.1	7.1	
Malignant Neoplasms	41	307.3	22	205.9	45	230.7	19	465.6	88	311.9	311.9	
--of Digestive Organs	15	112.4	4	37.4	7	35.9	4	74.4	21	74.4	74.4	
----Colon	3	22.5	1	9.4	0	0.0	3	73.5	10	35.4	35.4	
----Pancreas	8	60.0	2	18.7	4	20.5	1	24.5	1	3.5	3.5	
--of Respiratory and Intrathoracic Organs	14	104.9	10	93.6	14	71.8	5	122.5	24	85.1	85.1	
----Trachea, Bronchus and Lung	13	97.5	10	93.6	13	66.7	5	122.5	23	81.5	81.5	
--of Breast	4	30.0	2	18.7	8	41.0	1	24.5	4	14.2	14.2	
--of Genitourinary Organs	2	15.0	2	18.7	6	30.8	4	98.0	12	42.5	42.5	
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0	1	3.5	3.5	
----Ovary	0	0.0	1	9.4	1	5.1	1	24.5	1	3.5	3.5	
----Prostate	2	15.0	1	9.4	2	10.3	0	0.0	7	24.8	24.8	
----Bladder	0	0.0	0	0.0	1	5.1	1	24.5	0	0.0	0.0	
--All Other (Malignant Neoplasms)	6	45.0	4	37.4	10	51.3	5	122.5	27	95.7	95.7	
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	9.4	0	0.0	0	0.0	2	7.1	7.1	
Diabetes Mellitus	3	22.5	0	0.0	8	41.0	2	49.0	15	53.2	53.2	
Dementia	15	112.4	5	46.8	20	102.5	1	88.6	25	88.6	88.6	
Alzheimer's Disease	6	45.0	3	28.1	7	35.9	1	24.5	7	24.8	24.8	
Major Cardiovascular Disease	48	359.8	52	486.6	84	430.7	26	637.1	146	517.5	517.5	
--Diseases of the Heart	33	247.4	42	393.0	67	343.5	19	465.6	110	389.9	389.9	
----Ischemic Heart Disease	23	172.4	24	224.6	41	210.2	17	416.6	60	212.7	212.7	
----Essential Hypertension and Hypertensive Renal Disease	3	22.5	3	28.1	1	5.1	2	49.0	3	10.6	10.6	
--Cerebrovascular Diseases (Stroke)	12	90.0	6	56.1	11	56.4	4	98.0	30	106.3	106.3	
--Arteriosclerosis	0	0.0	1	9.4	0	0.0	0	0.0	1	3.5	3.5	
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	5	25.6	1	24.5	2	7.1	7.1	
Influenza and Pneumonia	0	0.0	4	37.4	8	41.0	1	24.5	19	67.3	67.3	
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	
--Pneumonia	0	0.0	4	37.4	8	41.0	1	24.5	19	67.3	67.3	
Chronic Lower Respiratory Diseases	5	37.5	9	84.2	11	56.4	3	73.5	32	113.4	113.4	
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	2	10.3	0	0.0	0	0.0	0.0	
--Lung Diseases due to External Agents	3	22.5	1	9.4	4	20.5	0	0.0	4	14.2	14.2	
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0	1	3.5	3.5	
Chronic Liver Disease and Cirrhosis	1	7.5	0	0.0	0	0.0	0	0.0	1	3.5	3.5	
Nephritis, Nephrotic Syndrome and Nephrosis	2	15.0	1	9.4	6	30.8	2	49.0	5	17.7	17.7	
Congenital Malformations	0	0.0	1	9.4	1	5.1	0	0.0	3	10.6	10.6	
Ill-Defined and Unknown Causes of Death	2	15.0	2	18.7	7	35.9	1	24.5	5	17.7	17.7	
Accidents, All Forms	5	37.5	2	18.7	8	41.0	1	24.5	10	35.4	35.4	
--Motor Vehicle	1	7.5	0	0.0	0	0.0	0	0.0	1	3.5	3.5	
--Falls	2	15.0	0	0.0	1	5.1	0	0.0	3	10.6	10.6	
--Drownings	0	0.0	0	0.0	1	5.1	0	0.0	0	0.0	0.0	
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	
--Poisonings	1	7.5	2	18.7	4	20.5	0	0.0	2	7.1	7.1	
--Other Accidents	1	7.5	0	0.0	2	10.3	1	24.5	4	14.2	14.2	
Intentional Self-Harm (Suicide)	2	15.0	2	18.7	3	15.4	1	24.5	5	17.7	17.7	
Assault (Homicide)	1	7.5	0	0.0	2	10.3	0	0.0	0	0.0	0.0	
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	18.7	1	5.1	0	0.0	1	3.5	3.5	
All Other Causes (Residual)	18	134.9	17	159.1	25	128.2	5	122.5	69	244.6	244.6	

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





West Virginia Vital Statistics

**Appendix A:  
ICD-10 Codes**

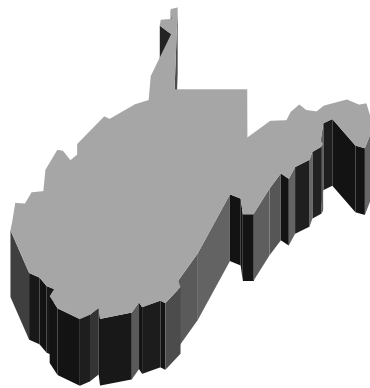


APPENDIX A  
GROUPINGS OF ICD-10 CODES

<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 2012 and filed in the state office of vital statistics prior to February 18, 2014. Vital events occurring to West Virginia residents in other states and tabulated by June 1, 2014, 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, 373 births occurred within the geographic confines of Marion County of which only so many were to mothers who reside in Marion County; the remainder resides in other counties or states. Resident births for the county for 2012 totaled 630 which include 264 births that occurred in Marion County and 366 births to Marion County residents that occurred elsewhere. With the exception of Tables 11, 12, 13, 14, 16 and 46 (and Exhibit 9), natality data presented in this report are based on place of residence and resident populations are used to calculate rates.

With the exception of Table 19 and the second page of Table 54, mortality data are similarly reported by place of residence.

### Statistical Variation

All statistics contain variations that are the result of chance, error, or omission. This characteristic is of particular importance in classifications of events with small numbers, in which small variations are proportionately large in relation to base figures. For example, small changes in the number of deaths or births in small population areas or in the number of deaths from uncommon causes could result in large changes in the respective rates. For this reason, rates for counties with small populations or other small bases should be used with caution.

Table 31 presents the number of infant deaths by race of mother while the table on page 76 in the summary has the number of infant deaths by race of infant.

### Geographic Classification

The county has been used as the basic unit of tabulation throughout this report. Data have also been supplied for public health management districts and for the total state. In some instances, data have been supplied for individual cities.

## APPENDIX B (Cont'd)

### Cause of Death Classification

The cause of death is coded from information contained in the medical certification section of the death certificate. This portion of the certificate is completed by the attending physician. In the case of unattended death, the medical examiner is responsible for investigation and certification.

Effective in 1999, the National Center for Health Statistics and the World Health Organization adopted the *Tenth Revision of the International Classification of Diseases Adapted for Use in the United States, 1999 (ICD-10)*. The deaths with codes A00 through T98 and Z00-Z99 were coded using the "nature of injury" causes, while those with codes V01 through Y98 were coded using the "external cause" of death. The external codes are used to indicate a death due to an external rather than an internal cause.

In several tables, individual causes of death have been grouped into important selected causes of death. See Appendix A, Page 159, "Groupings of ICD-10 Codes," for a listing of the selected causes of death.

### Population

The rates given in this publication were calculated using the 2012 population estimated figures from the U.S. Department of Commerce, Bureau of the Census. This can be found on the Internet at <http://www.census.gov/popest/data/index.html>, and then go to American FactFinder which is where detailed population figures are stored.

### Forms

The following is a list of the certificates and forms used in obtaining the data used in this publication.

- Certificate of Live Birth
- Physician's/Medical Examiner's Certificate of Death
- Report of Fetal Death
- Application for Marriage License
- Monthly Report of Divorces and Annulments of Marriages Granted
- Induced Termination of Pregnancy (ITOP)
- Declaration of Paternity Affidavit

Suggestions and comments on alternate methods of data presentation are welcome. Forward any suggestions to the following address:

Health Statistics Center  
350 Capitol Street, Room 165  
Charleston, WV 25301-3701  
Telephone: (304) 558-9100  
FAX: (304) 558-1787  
E-Mail: [dhhrvitalreg@wv.gov](mailto:dhhrvitalreg@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. Rates for cities and counties, therefore, require special consideration. State rates with larger frequencies provide more accurate data overall.

Rates used in this report are calculated with the estimated 2012 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.

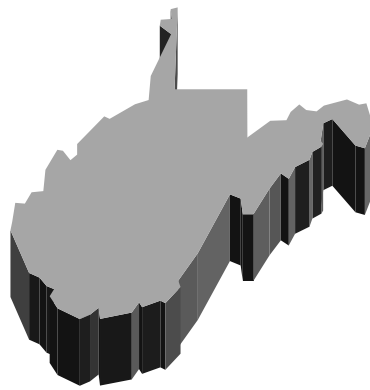
## APPENDIX B (Cont'd)

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

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







West Virginia Vital Statistics

**Appendix C:**

**Grams Conversion**



**APPENDIX C**  
**Converting Pounds/Ounces into Grams**

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, 2015

