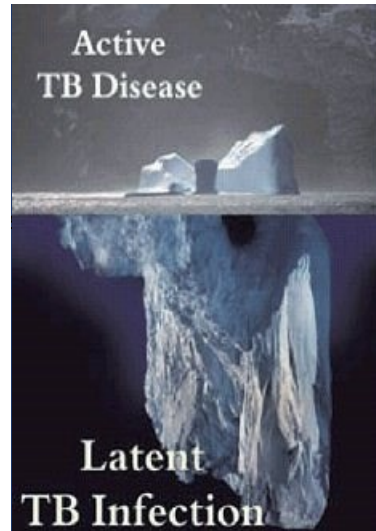


UNITE TO
→ END
TB



WEST VIRGINIA TB PROFILE

ANNUAL REPORT 2017

FEBRUARY 16, 2018

**WEST VIRGINIA DIVISION OF TUBERCULOSIS ELIMINATION
CONTACT INFORMATION**

Telephone

(304) 558-3669

Toll-free in West Virginia

(800) 330-8126

Fax

(304) 558-1825

Website

dhhr.wv.gov/oeps/tuberculosis

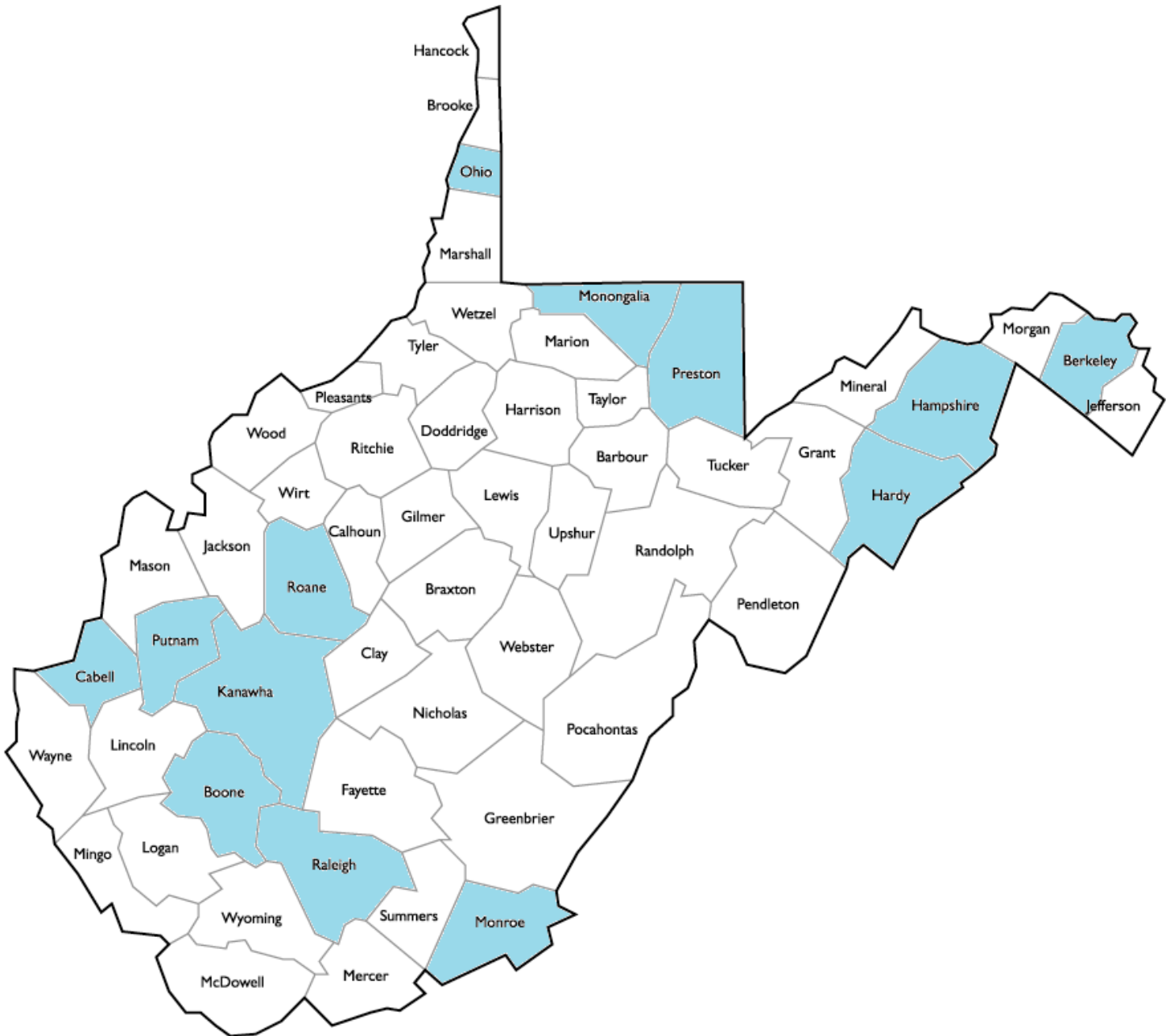
Staff

Dominic Gaziano, M.D. Medical Co-Director	(304) 558-3669
Sandra Y. Elliott, M.D. Medical Co-Director	(304) 558-3669
Suzanne Wilson, MPH Program Director	(304) 558-3669
Stephanie McLemore, R.N. Surveillance Nurse	(304) 356-4003
Doug Fields Health and Human Resources Specialist	(304) 356-4058
Linda Winkel Secretary	(304) 558-3669
Lynzee McCallister Radiological Technologist	(304) 356-4002

2017 WV TB Advisory Committee

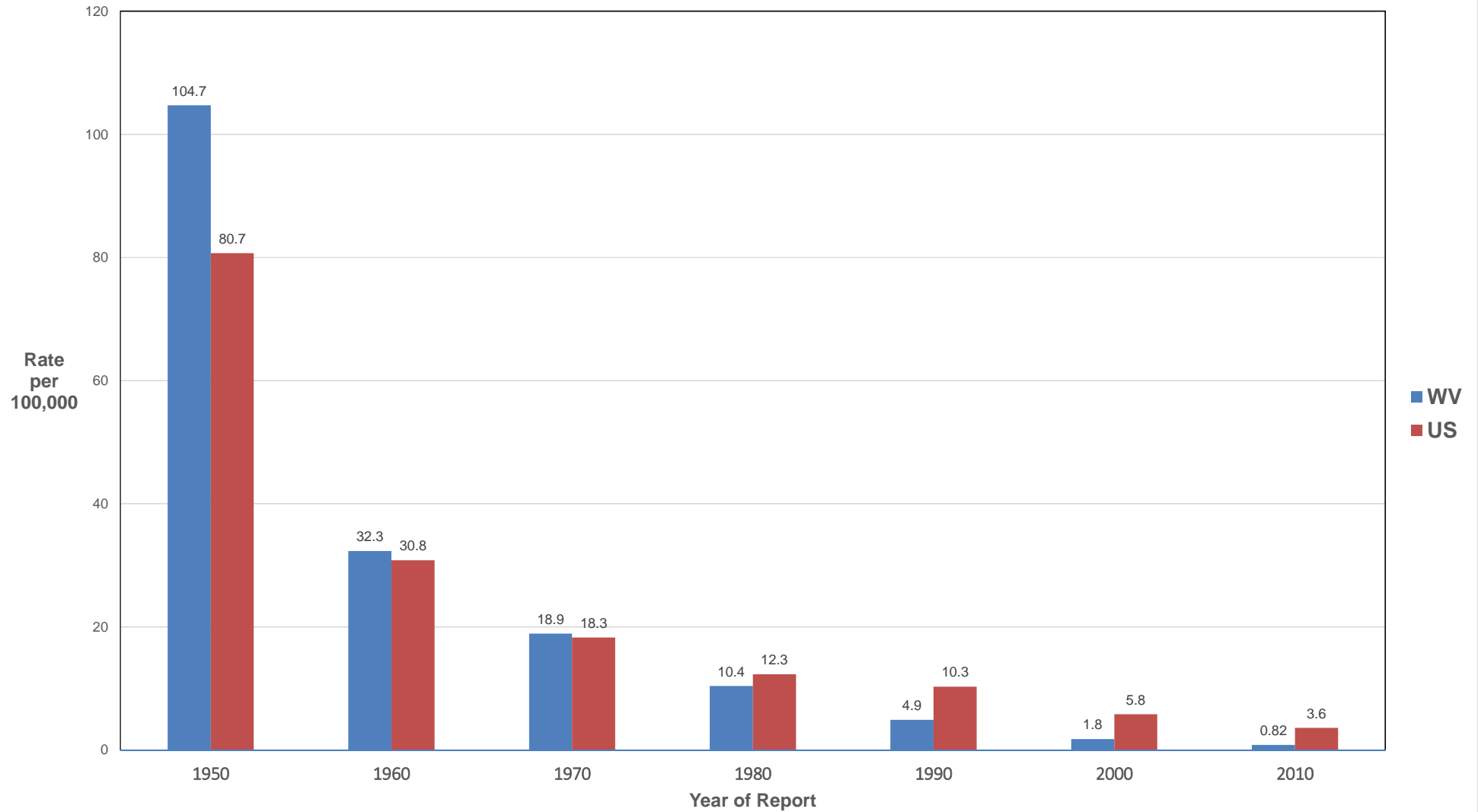
Dr. Dominic Gaziano	Medical Co-Director, Division of TB Elimination
Dr. Sandra Y. Elliott	Medical Co-Director, Division of TB Elimination
Dr. Loretta Haddy	State Epidemiologist
Suzanne Wilson	Director, Division of TB Elimination
Stephanie McLemore	Surveillance Nurse, Division of TB Elimination
Chaste Barclay	American Lung Association
Dr. Cory Robinson	WV School of Osteopathic Medicine
Dr. Melanie Fisher	West Virginia University
Rebecca King	WV Department of Education
Dr. Michael Kilkenny	Cabell-Huntington Health Department
Dr. Michael R. Brumage	Kanawha-Charleston Health Department
Dr. Lee B. Smith	Monongalia County Health Department
Dakota Morris	WV Higher Education Policy Commission
Angela Gray	Berkeley County Health Department
Peggy Lambert Fink	West Virginia University Tech Student Health - Nurse Practitioner
Dr. April Kilgore	Marshall University

2017 WV Active Tuberculosis Cases by County

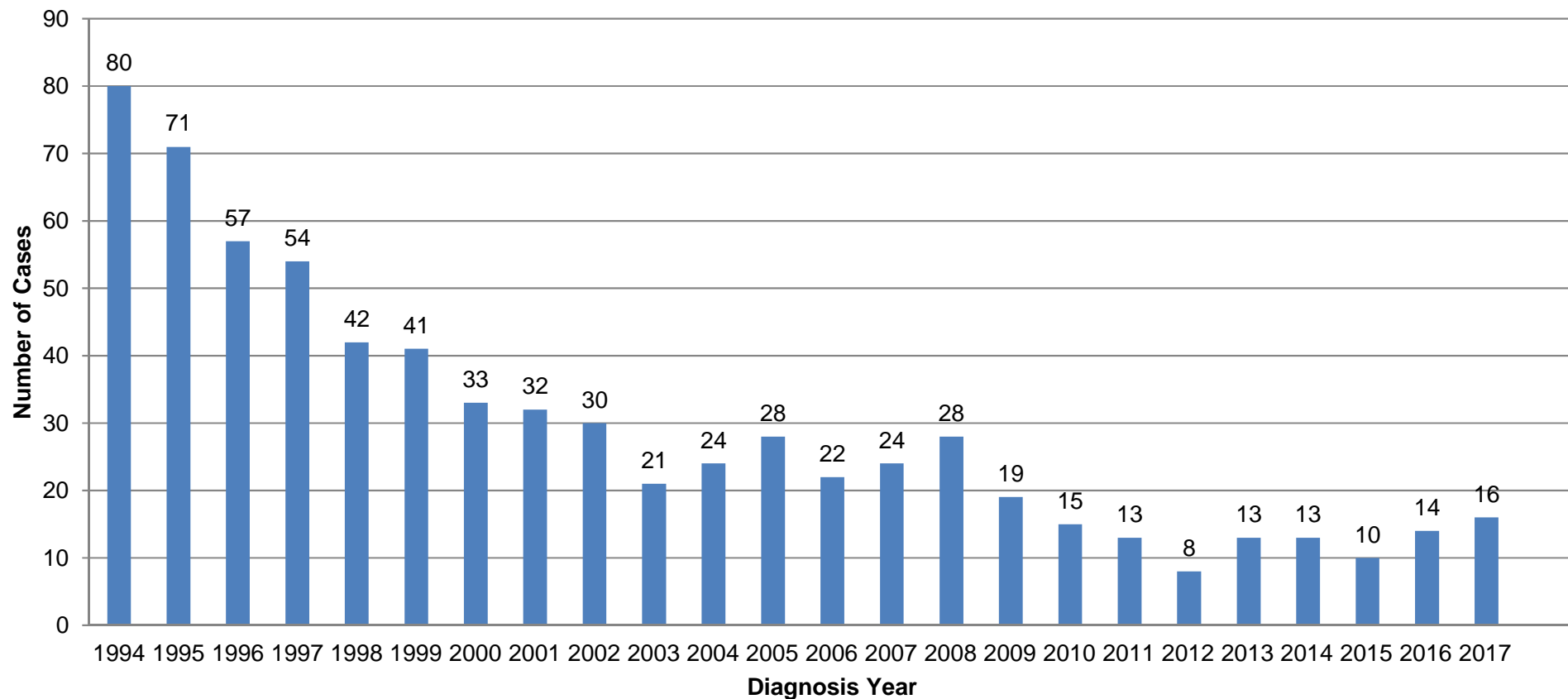


Each of the marked counties has a single case with the exceptions of Monongalia (2) and Putnam (3).

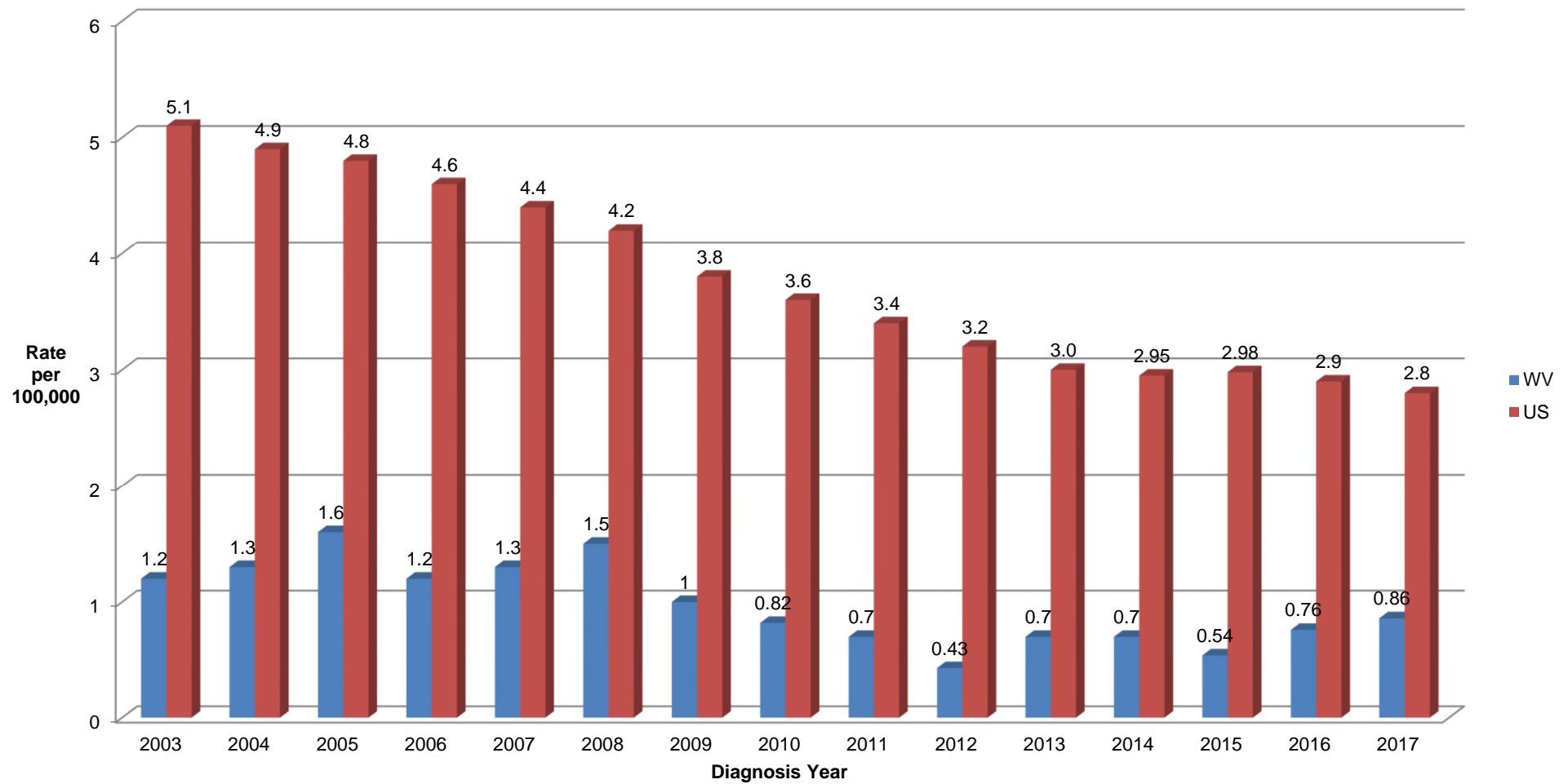
TB Incidence Rate by Year of Report WV and US Decennial Rates, 1950-2010



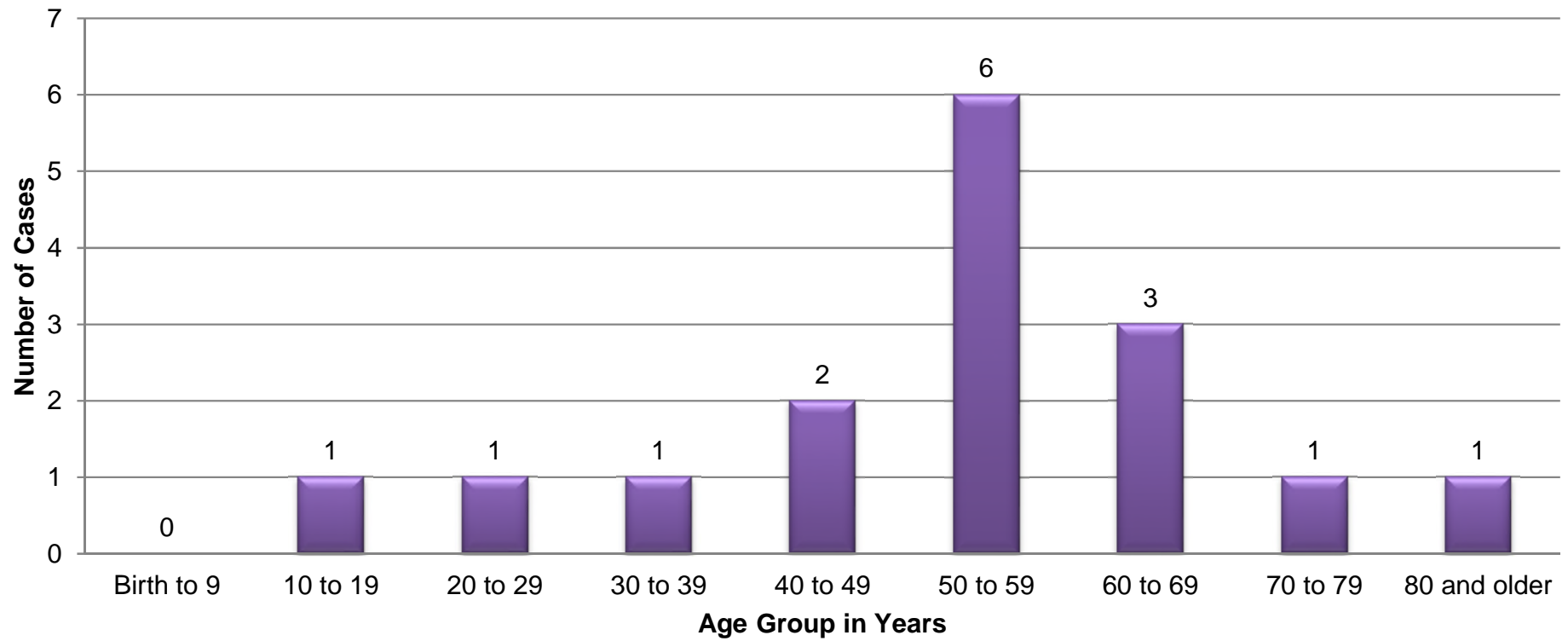
Newly Diagnosed Active TB Cases in WV by Year of Diagnosis 1994-2017



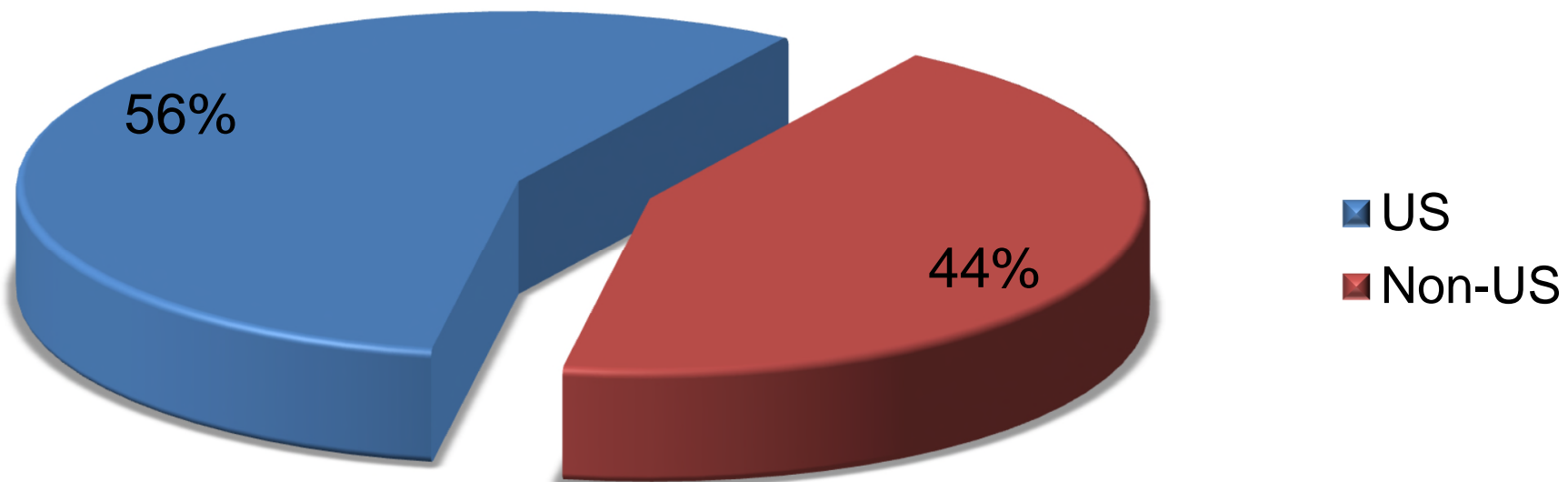
TB Incidence Rates by Diagnosis Year, WV and US 2003-2017



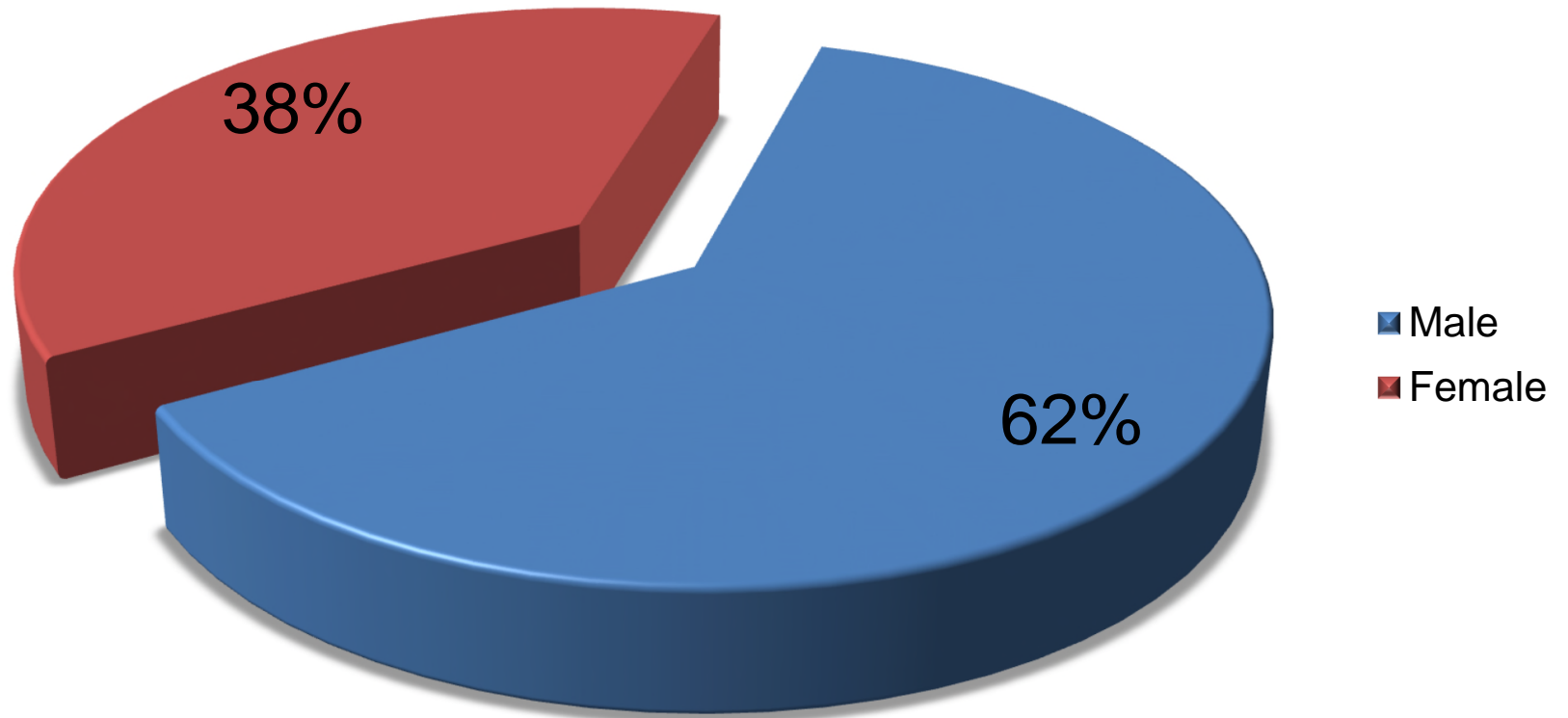
WV Cases of Active TB by Age Group - 2017



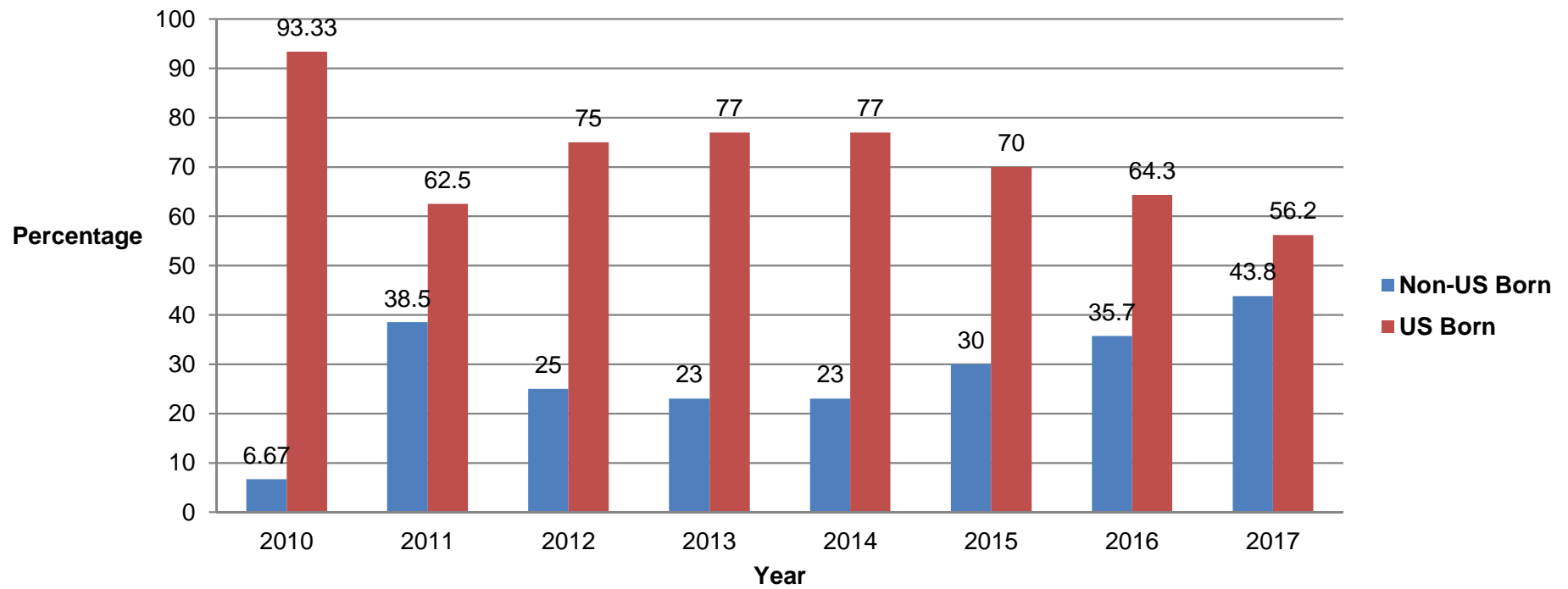
WV TB Active Cases by Country of Origin - 2017



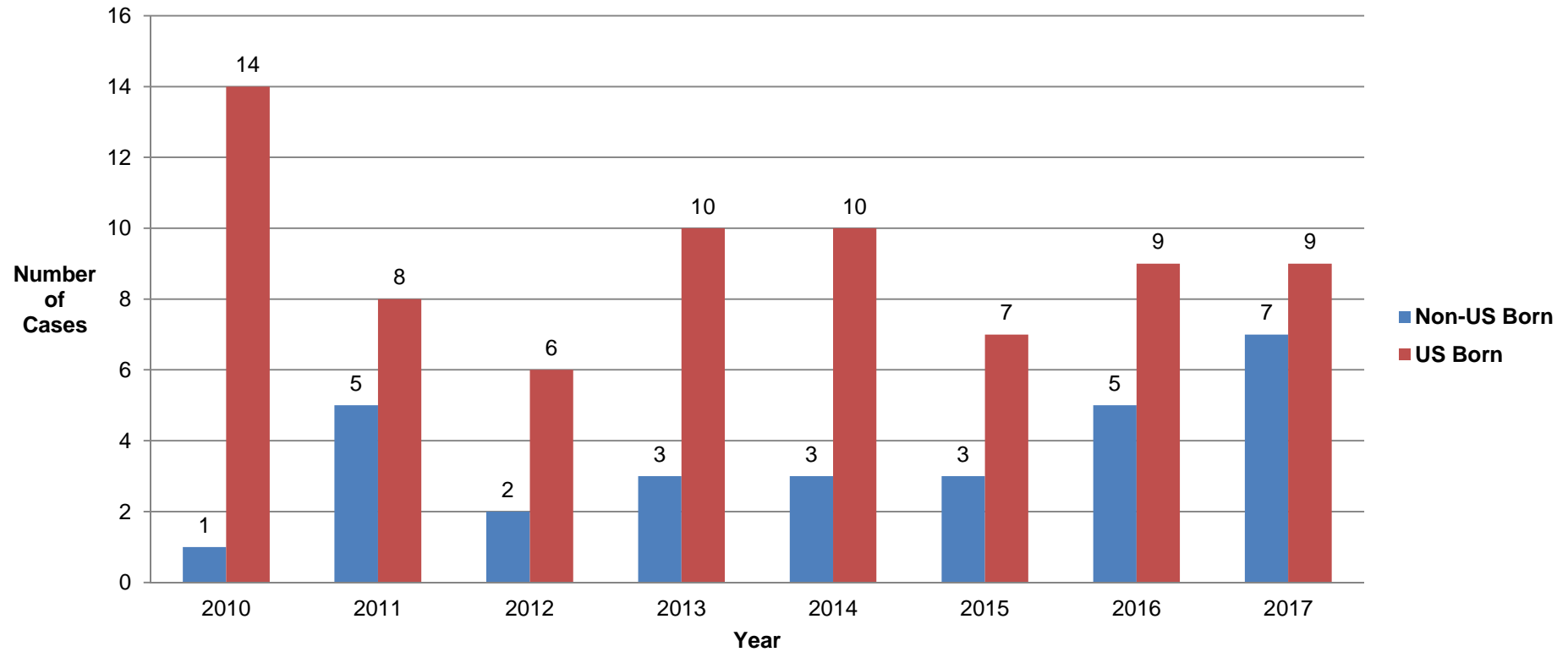
Gender of WV Active TB Cases - 2017



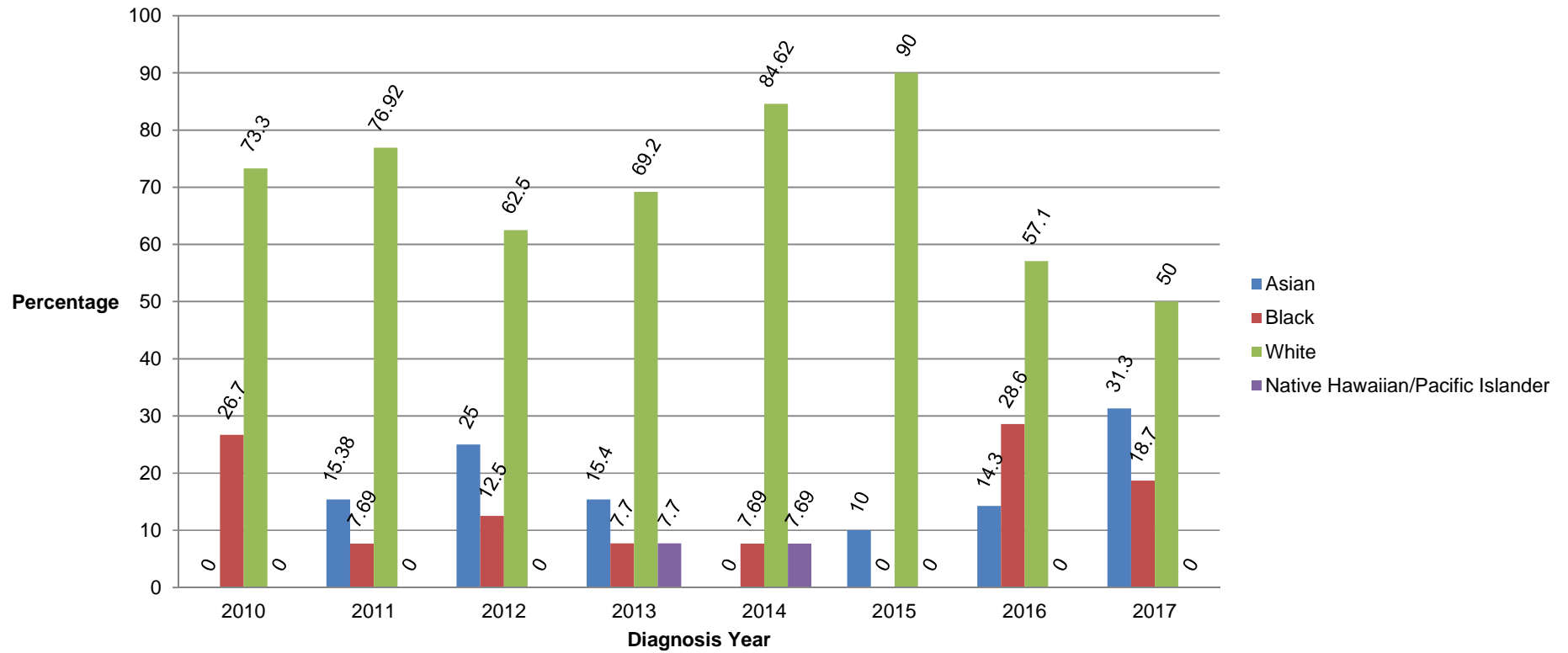
Percentage of WV Active TB Cases Non-US Born vs. US Born 2010-2017



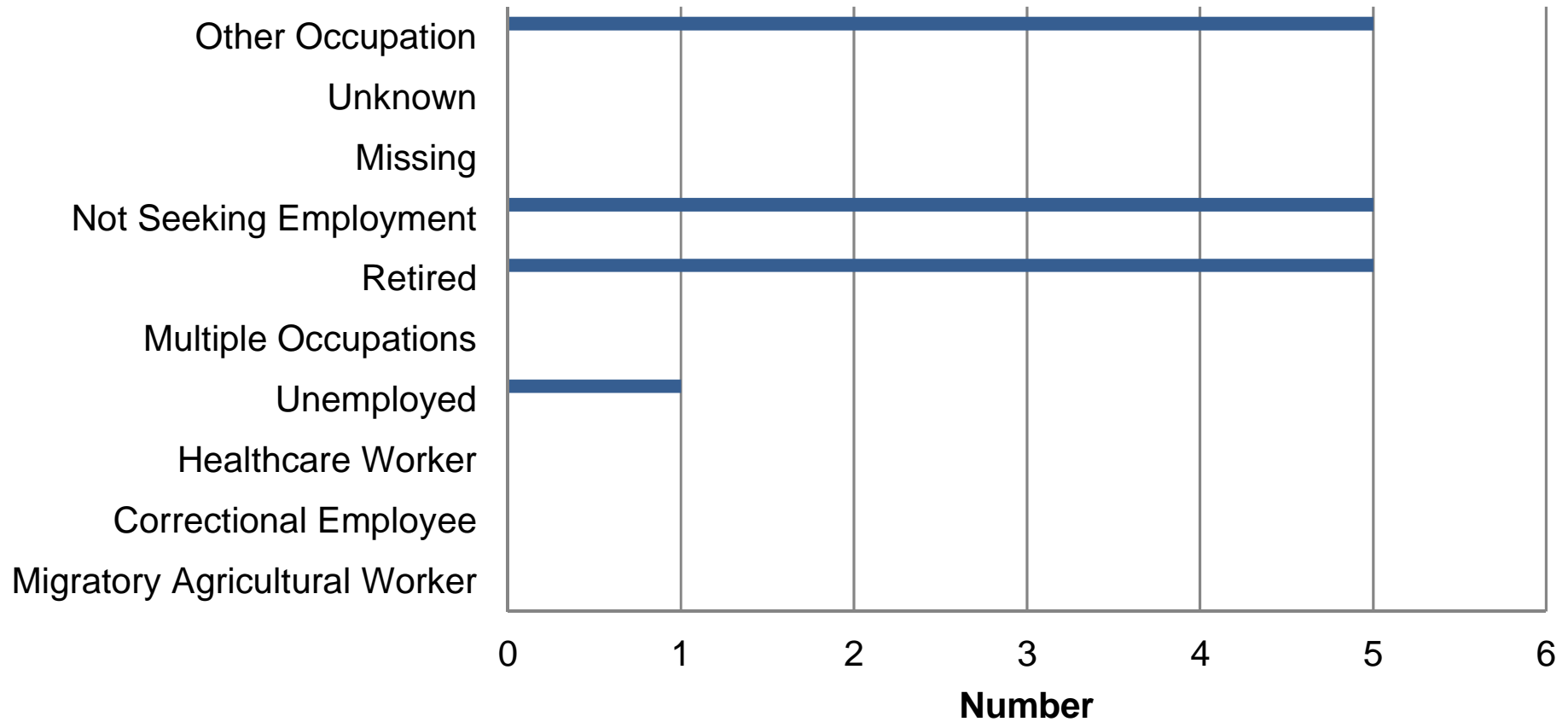
Number of WV Active TB Cases Non-US born vs. US Born 2010-2017



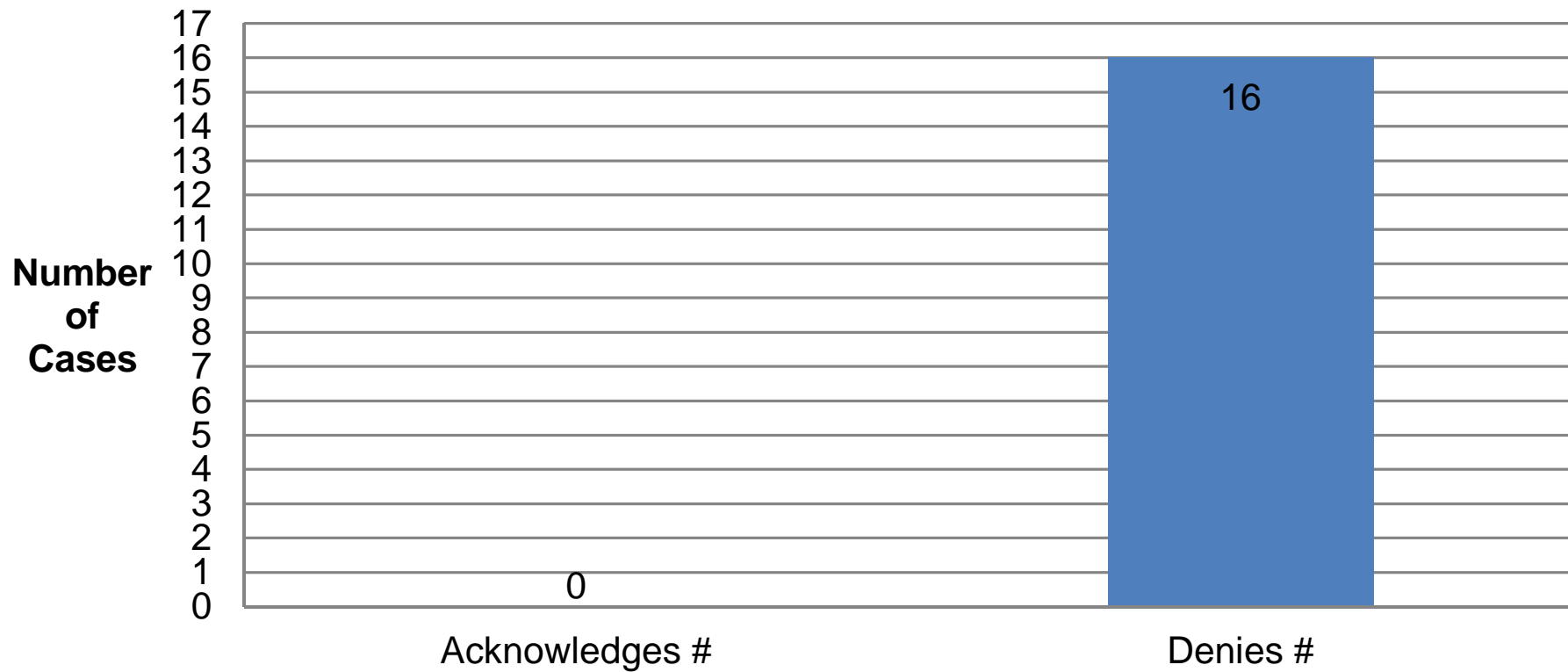
Race of WV Active TB Cases by Diagnosis Year 2010-2017



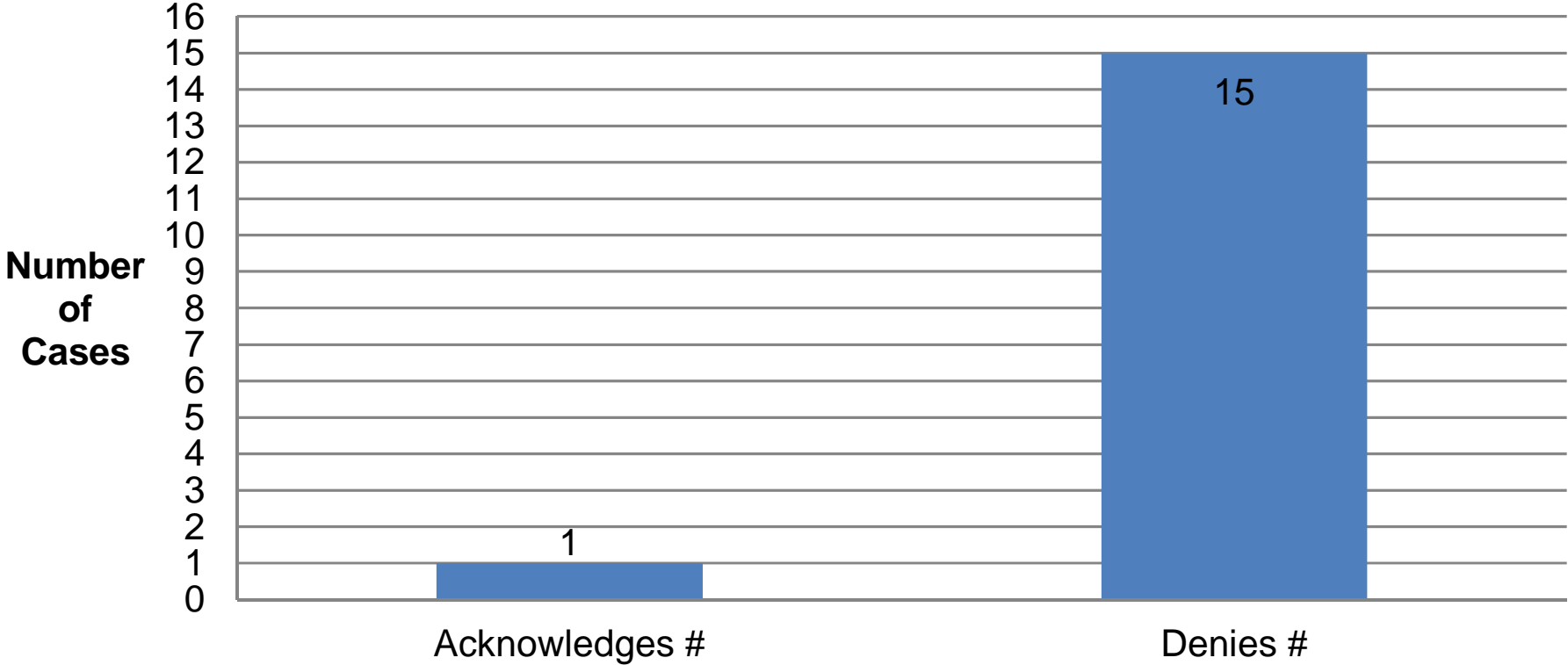
WV TB Cases in 2017 by Employment at Diagnosis



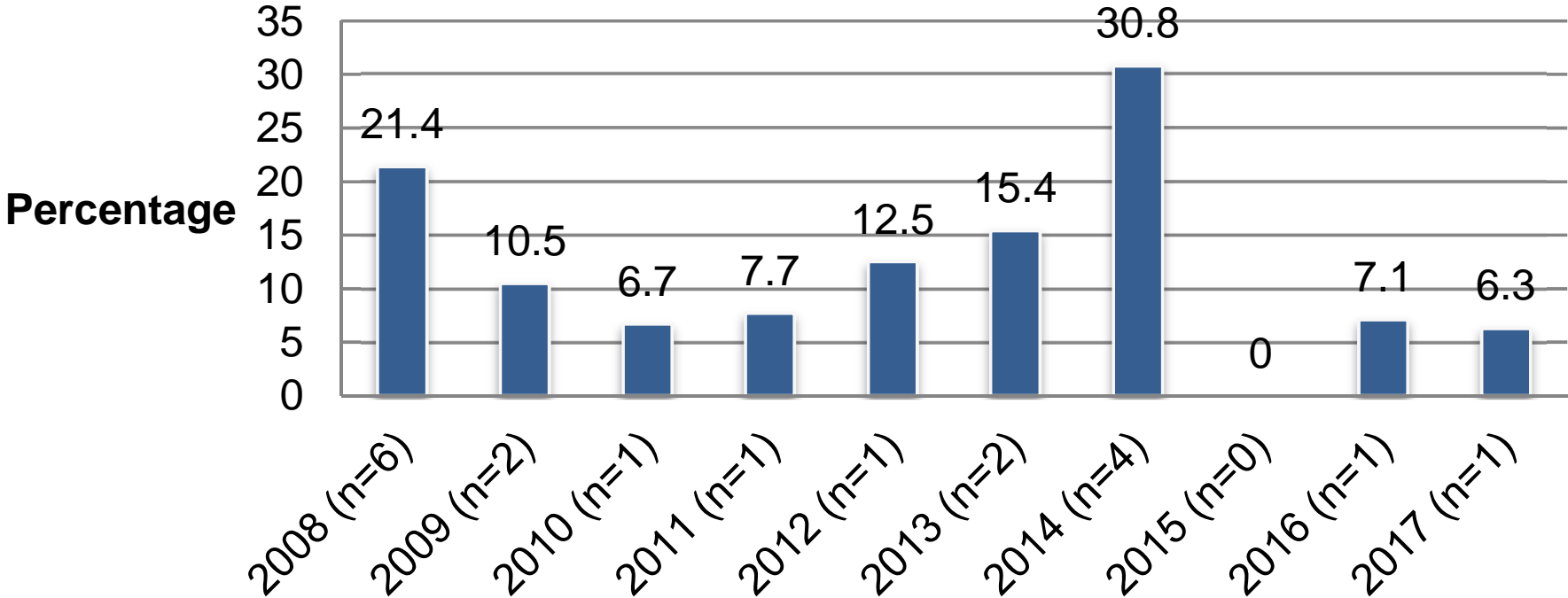
WV Active TB Cases by Injected Drug Use, 2017



WV Active TB Cases by Non-Injected Drug Use, 2017



Percentage of WV Active Cases with Reported History of Alcohol Abuse in the Past Year 2008-2017



SURVEILLANCE CLINICAL DATA
 For the Month – Year Counted
 Beginning 01/2017 and Ending 12/2017

Reporting Area: West Virginia Department of Health and Human Resources, Bureau for Public Health – All Counties

STATUS AT DIAGNOSIS OF TB

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Alive	15	93.75%
Dead	1	6.25%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

PREVIOUS DIAGNOSIS OF TB

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	16	100.00%
Yes	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

SITE OF DISEASE

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Pulmonary	11	68.75%
Extrapulmonary	3	18.75%
Both	2	12.50%
Site Not Stated/Missing	0	0.00%
TOTAL	16	100.00%

SPUTUM SMEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	4	25.00%
Negative	4	25.00%
Not Done	8	50.00%
Unknown/Missing	0	0.00%
	16	100.00%

SURVEILLANCE CLINICAL DATA
 For the Month – Year Counted
 Beginning 01/2017 and Ending 12/2017
 (Continued)

SPUTUM CULTURE

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	6	37.50%
Negative	2	12.50%
Not Done	8	50.00%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

MICROSCOPIC EXAM OF TISSUE AND OTHER BODY FLUIDS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	5	31.25%
Negative	5	31.25%
Not Done	6	37.50%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

CULTURE OF TISSUE AND OTHER BODY FLUIDS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	8	50.00%
Negative	2	12.50%
Not Done	6	37.50%
Unknown	0	0.00%
Missing	0	0.00%
TOTAL	16	100.00%

SURVEILLANCE CLINICAL DATA
 For the Month – Year Counted
 Beginning 01/2017 and Ending 12/2017
 (Continued)

CHEST X-RAY

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Normal	2	12.50%
Abnormal	13	81.25%
Not Done/Unknown/Missing	1	6.25%
TOTAL	16	100.00%

TUBERCULIN (MANTOUX) SKIN TEST AT DIAGNOSIS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	0	0.00%
Negative	0	0.00%
Not Done	16	100.00%
Unknown	0	0.00%
Missing	0	0.00%
TOTAL	16	100.00%

HIV STATUS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Negative	15	93.75%
Positive	0	0.00%
Indeterminate	0	0.00%
Refused	0	0.00%
Not Offered	0	0.00%
Test Done, Results Unknown	0	0.00%
Unknown	1	6.25%
Missing	0	0.00%
TOTAL	16	100.00%

SURVEILLANCE CLINICAL DATA
 For the Month – Year Counted
 Beginning 01/2017 and Ending 12/2017
 (Continued)

INITIAL DRUG REGIMEN

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No Drugs	1	6.25%
One Drug	0	0.00%
INH, RIF, PZA, and EMB or SM	13	81.25%
INH, RIF, and PZA	0	0.00%
INH and RIF	0	0.00%
Any other Multiple Drug Combination	2	12.50%
Unknown	0	0.00%
TOTAL	16	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month – Year Counted
Beginning 01/2017 and Ending 12/2017

Reporting Area: West Virginia Department of Health and Human Resources, Bureau for Public Health – All Counties

ETHNICITY

<u>CLASSIFICATION</u>	<u>NUMBER OF RECORDS</u>	<u>PERCENT</u>
Hispanic or Latino	0	0.00%
Not Hispanic or Latino	16	100.00%
Unknown or Missing	0	0.00%
TOTAL	16	100.00%

RACE

<u>CLASSIFICATION</u>	<u>NUMBER OF RECORDS</u>	<u>PERCENT</u>
Single Race:		
American Indian or Alaska Native	0	0.00%
Asian	5	31.25%
Black or African-American	3	18.75%
Native Hawaiian or Pacific Islander	0	0.00%
White	8	50.00%
Multiple Races	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

SEX

<u>CLASSIFICATION</u>	<u>NUMBER OF RECORDS</u>	<u>PERCENT</u>
Male	10	62.50%
Female	6	37.50%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month – Year Counted
Beginning 01/2017 and Ending 12/2017
(Continued)

COUNTRY OF ORIGIN

<u>CLASSIFICATION</u>	<u>NUMBER OF RECORDS</u>	<u>PERCENT</u>
US	9	56.25%
Non-US	7	43.75%
Unknown/Missing	0	0.00%
	16	100.00%

5 YEAR AGE GROUP

<u>CLASSIFICATION</u>	<u>NUMBER OF RECORDS</u>	<u>PERCENT</u>
0 – 4	0	0.00%
5 – 9	0	0.00%
10 – 14	0	0.00%
15 – 19	1	6.25%
20 – 24	0	0.00%
25 – 29	1	6.25%
30 – 34	0	0.00%
35 – 39	1	6.25%
40 – 44	1	6.25%
45 – 49	1	6.25%
50 – 54	3	18.75%
55 – 59	3	18.75%
60 – 64	1	6.25%
65 – 69	2	12.50%
70 – 74	1	6.25%
75 – 79	0	0.00%
80 – 84	1	6.25%
85 and Older	0	0.00%
Unknown	0	0.00%
TOTAL	16	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month – Year Counted
Beginning 01/2017 and Ending 12/2017
(Continued)

10 YEAR AGE GROUP

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
0 – 9	0	0.00%
10 – 19	1	6.25%
20 – 29	1	6.25%
30 – 39	1	6.25%
40 – 49	2	12.50%
50 – 59	6	37.50%
60 – 69	3	18.75%
70 – 79	1	6.25%
80 and Older	1	6.25%
Unknown	0	0.00%
TOTAL	16	100.00%

HOMELESS WITHIN PAST YEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	16	100.00%
Yes	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

RESIDENT OF A CORRECTIONAL FACILITY AT TIME OF DIAGNOSIS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	15	93.75%
Yes	1	6.25%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month – Year Counted
Beginning 01/2017 and Ending 12/2017
(Continued)

RESIDENT OF A LONG-TERM CARE FACILITY AT TIME OF DIAGNOSIS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	16	100.00%
Yes	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

INJECTED DRUG USE WITHIN PAST YEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	16	100.00%
Yes	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

NON-INJECTED DRUG USE WITHIN PAST YEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	15	93.75%
Yes	1	6.25%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

EXCESS ALCOHOL USE WITHIN PAST YEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	15	93.75%
Yes	1	6.25%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month – Year Counted
Beginning 01/2017 and Ending 12/2017
(Continued)

OCCUPATION

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Healthcare Worker	0	0.00%
Correctional Employee	0	0.00%
Migratory Agricultural Worker	0	0.00%
Other Occupation	5	31.25%
Retired	5	31.25%
Not Seeking Employment (e.g., student, etc.)	5	31.25%
Not Employed Within Past 24 Months	1	6.25%
Unknown/Missing	0	0.00%
TOTAL	16	100.00%

NEWLY REPORTED VERIFIED CASES OF TUBERCULOSIS IN WEST VIRGINIA, 2011-2017

COUNTY	POPULATION 2010 CENSUS	2011	2012	2013	2014	2015	2016	2017	2017 I-RATE
Barbour	16,589	0	0	0	0	0	0	0	0.00
Berkeley	104,169	1	0	1	1	0	3	1	0.96
Boone	24,629	0	0	0	1	1	0	1	4.06
Braxton	14,523	0	0	0	0	0	0	0	0.00
Brooke	24,069	0	0	0	0	0	0	0	0.00
Cabell	96,319	2	2	3	2	0	6	1	1.04
Calhoun	7,627	0	0	0	0	0	0	0	0.00
Clay	9,386	0	0	0	0	0	0	0	0.00
Doddridge	8,202	0	0	1	2	0	1	0	0.00
Fayette	46,039	0	0	0	0	0	0	0	0.00
Gilmer	8,693	0	1	0	0	0	0	0	0.00
Grant	11,937	0	0	1	0	0	0	0	0.00
Greenbrier	35,480	0	0	0	1	0	0	0	0.00
Hampshire	23,964	0	0	0	0	0	0	1	4.17
Hancock	30,676	0	0	0	0	1	0	0	0.00
Hardy	14,025	1	0	0	0	0	0	1	7.13
Harrison	69,099	1	0	1	0	1	0	0	0.00
Jackson	29,211	0	0	0	0	0	0	0	0.00
Jefferson	53,498	1	0	1	0	0	1	0	0.00
Kanawha	193,063	0	1	0	2	3	0	1	0.52
Lewis	16,372	0	0	0	0	0	0	0	0.00
Lincoln	21,270	0	0	0	0	0	0	0	0.00
Logan	36,743	0	1	0	1	0	0	0	0.00
Marion	56,418	0	0	1	0	0	0	0	0.00
Marshall	33,107	0	0	0	0	0	0	0	0.00
Mason	27,324	0	0	0	1	0	0	0	0.00
McDowell	22,113	1	1	0	0	0	0	0	0.00
Mercer	62,264	1	0	1	1	0	0	0	0.00
Mineral	28,212	0	0	0	0	0	0	0	0.00
Mingo	26,839	0	0	0	0	0	0	0	0.00
Monongalia	96,189	1	0	2	0	1	1	2	2.08
Monroe	13,502	0	0	0	0	0	0	1	7.41
Morgan	17,541	0	0	0	0	0	0	0	0.00
Nicholas	26,233	0	0	0	0	0	0	0	0.00
Ohio	44,443	0	0	0	0	0	0	1	2.25
Pendleton	7,695	0	0	1	0	0	0	0	0.00
Pleasants	7,605	0	0	0	0	0	0	0	0.00
Pocahontas	8,719	0	0	0	0	0	0	0	0.00
Preston	33,520	0	0	0	0	0	0	1	2.98

NEWLY REPORTED VERIFIED CASES OF TUBERCULOSIS IN WEST VIRGINIA, 2011-2017 (continued)

COUNTY	POPULATION 2010 CENSUS	2011	2012	2013	2014	2015	2016	2017	2017 I-RATE
Putnam	55,486	2	0	0	0	2	0	3	5.41
Raleigh	78,859	1	1	0	0	0	1	1	1.27
Randolph	29,405	0	0	0	0	0	0	0	0.00
Ritchie	10,449	0	0	0	0	0	0	0	0.00
Roane	14,926	0	0	0	0	0	0	1	6.70
Summers	13,927	0	0	0	0	1	0	0	0.00
Taylor	16,895	0	0	0	0	0	1	0	0.00
Tucker	7,141	0	0	0	0	0	0	0	0.00
Tyler	9,208	0	0	0	0	0	0	0	0.00
Upshur	24,254	0	0	0	1	0	0	0	0.00
Wayne	42,481	1	1	0	0	0	0	0	0.00
Webster	7,154	0	0	0	0	0	0	0	0.00
Wetzel	16,583	0	0	0	0	0	0	0	0.00
Wirt	5,717	0	0	0	0	0	0	0	0.00
Wood	86,956	0	0	0	0	0	0	0	0.00
Wyoming	23,796	0	0	0	0	0	0	0	0.00
TOTAL	1,852,994	13	8	13	13	10	14	16	
I-Rate for WV		0.70	0.43	0.70	0.70	0.54	0.76	0.86	
# Counties with TB Cases		11	7	10	10	7	7	13	

Latent Tuberculosis Infection and LTBI Incidence/100,000 Population by County, 2013-2017

COUNTY	POPULATION 2010 CENSUS	2013 LTBI	2013 Rate	2014 LTBI	2014 Rate	2015 LTBI	2015 Rate	2016 LTBI	2016 Rate	2017 LTBI	2017 Rate
Barbour	16,589	0	0.00	3	18.08	1	6.03	0	0.00	1	6.03
Berkeley	104,169	11	10.56	4	3.84	8	7.68	8	7.68	9	8.64
Boone	24,629	2	8.12	1	4.06	0	0.00	0	0.00	0	0.00
Braxton	14,523	1	6.89	0	0.00	0	0.00	0	0.00	0	0.00
Brooke	24,069	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Cabell	96,319	26	26.99	18	18.69	55	57.10	68	70.60	32	33.22
Calhoun	7,627	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Clay	9,386	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Doddridge	8,202	2	24.38	6	73.15	2	24.38	0	0.00	0	0.00
Fayette	46,039	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Gilmer	8,693	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Grant	11,937	0	0.00	0	0.00	0	0.00	0	0.00	1	8.38
Greenbrier	35,480	5	14.09	3	8.46	3	8.46	1	2.82	3	8.46
Hampshire	23,964	1	4.17	2	8.35	0	0.00	0	0.00	2	8.35
Hancock	30,676	1	3.26	0	0.00	1	3.26	1	3.26	0	0.00
Hardy	14,025	20	142.60	51	363.64	10	71.30	16	114.08	24	171.12
Harrison	69,099	6	8.68	8	11.58	8	11.58	2	2.89	4	5.79
Jackson	29,211	1	3.42	0	0.00	0	0.00	0	0.00	1	3.42
Jefferson	53,498	21	39.25	4	7.48	2	3.74	11	20.56	3	5.61
Kanawha	193,063	27	13.99	26	13.47	10	5.18	16	8.29	4	2.07
Lewis	16,372	1	6.11	2	12.22	3	18.32	1	6.11	1	6.11
Lincoln	21,720	2	9.21	0	0.00	0	0.00	0	0.00	0	0.00
Logan	36,743	2	5.44	2	5.44	15	40.82	7	19.05	1	2.72
Marion	56,418	0	0.00	2	3.54	1	1.77	2	3.54	0	0.00
Marshall	33,107	1	3.02	1	3.02	1	3.02	0	0.00	0	0.00
Mason	27,324	2	7.32	2	7.32	0	0.00	0	0.00	0	0.00
McDowell	22,113	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Mercer	62,264	6	9.64	9	14.45	1	1.61	0	0.00	0	0.00
Mineral	28,212	1	3.54	0	0.00	0	0.00	0	0.00	0	0.00
Mingo	26,839	2	7.45	1	3.73	0	0.00	1	3.73	1	3.73
Monongalia	96,189	0	0.00	15	15.59	9	9.36	21	21.83	7	7.28
Monroe	13,502	2	14.81	0	0.00	1	7.41	1	7.41	0	0.00
Morgan	17,541	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Nicholas	26,233	1	3.81	1	3.81	0	0.00	0	0.00	0	0.00
Ohio	44,443	8	18.00	1	2.25	1	2.25	1	2.25	0	0.00
Pendleton	7,695	8	103.96	1	13.00	0	0.00	0	0.00	0	0.00
Pleasants	7,605	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Pocahontas	8,719	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Preston	33,520	0	0.00	1	2.98	0	0.00	0	0.00	0	0.00
Putnam	55,486	3	5.41	3	5.41	1	1.80	1	1.80	0	0.00
Raleigh	78,859	13	16.49	9	11.41	9	11.41	23	29.17	10	12.68
Randolph	29,405	0	0.00	1	3.40	0	0.00	3	10.20	0	0.00
Ritchie	10,449	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Roane	14,926	1	6.70	1	6.70	0	0.00	0	0.00	0	0.00
Summers	13,927	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Taylor	16,895	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Tucker	7,141	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Upshur	24,254	1	4.12	0	0.00	0	0.00	2	8.25	0	0.00
Wayne	42,481	1	2.35	2	4.71	0	0.00	0	0.00	0	0.00
Webster	7,154	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wetzel-Tyler	25,791	1	3.88	0	0.00	1	3.88	0	0.00	0	0.00
Wirt	5,717	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wood	86,956	2	2.30	2	2.30	1	1.15	3	3.45	1	1.15
Wyoming	23,796	0	0.00	0	0.00	2	8.40	0	0.00	0	0.00
TOTAL	1,852,994	182	9.82	182	9.82	146	7.88	189	10.20	105	5.67

Monthly Tuberculin Testing - 2017
Includes Both State and Private Pay

Counties	LTBIs	Contacts (Highest Risk) WV-DTBE				Medical Risk (High Risk) WV-DTBE				Foreign-Born, Lived in or Visited a Foreign Country (High Risk) WV-DTBE				Homeless (High Risk) WV-DTBE				Other Population Risks (Low Risk) LHD				Administration (Lowest Risk) LHD			
		IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)
Barbour	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	24	21	1	0	39	35	0
Berkeley	9	14	3	3	2	65	114	95	4	40	9	9	3	0	35	33	0	6	130	120	0	0	66	60	0
Boone	0	0	4	4	0	0	2	2	0	0	1	0	0	0	0	0	0	0	99	96	0	0	37	35	0
Braxton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	16	16	0
Brooke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	94	0
Cabell	32	73	2	2	2	44	97	94	2	64	12	11	9	2	0	0	0	0	279	276	0	17	1681	1565	19
Calhoun	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	0
Clay	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
Doddridge	0	0	0	0	0	0	9	8	0	0	0	0	0	0	0	0	0	0	16	16	0	0	34	33	0
Fayette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gilmer	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	9	8	0	0	0	0	0
Grant	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	37	1
Greenbrier	3	0	0	0	0	0	0	0	0	9	1	1	2	0	0	0	0	0	25	23	1	1	349	296	0
Hampshire	2	0	26	24	1	0	11	11	0	0	2	2	0	0	0	0	0	0	95	82	1	0	0	0	0
Hancock	0	0	1	1	0	1	2	2	0	1	1	1	0	0	0	0	0	0	45	44	0	0	31	31	0
Hardy	24	85	7	5	6	3	22	22	0	34	12	10	15	0	0	0	0	1	3	3	0	0	38	37	3
Harrison	4	0	7	7	1	0	17	17	0	0	5	5	2	0	1	1	0	0	173	166	1	0	7	6	0
Jackson	1	1	0	0	0	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	76	73	0
Jefferson	3	3	2	2	2	0	15	13	0	9	17	17	1	0	0	0	0	39	45	43	0	0	117	111	0
Kanawha	4	0	4	4	0	3	80	67	0	2	41	34	1	0	52	39	1	2	416	363	0	4	726	588	2
Lewis	1	0	0	0	0	4	6	6	0	2	0	0	1	0	0	0	0	1	15	15	0	0	39	37	0
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	74	0
Logan	1	0	4	4	0	1	34	33	0	1	1	1	0	0	0	0	0	0	2	2	0	1	330	314	1
McDowell	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	56	23	0	0	0	0	0
Marion	0	0	0	0	0	0	6	6	0	0	1	1	0	0	37	32	0	0	138	121	0	0	31	24	0
Marshall	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	1	118	111	0	0	0	0	0
Mason	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	0	0	0	0	0	2	140	135	0
Mercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	236	236	0	0	65	65	0

Monthly Tuberculin Testing - 2017

TOTALS FOR STATE FUNDED ONLY

Counties	LTBIs	Contacts (Highest Risk) WV-DTBE				Medical Risk (High Risk) WV-DTBE				Foreign-Born, Lived in or Visited a Foreign Country (High Risk) WV-DTBE				Homeless (High Risk) WV-DTBE				Other Population Risks (Low Risk) LHD				Administration (Lowest Risk) LHD			
		IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)
Barbour	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Berkeley	9	14	3	3	2	65	114	95	4	40	9	9	3	0	35	33	0	0	0	0	0	0	0	0	0
Boone	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Braxton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brooke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0
Cabell	9	73	2	2	2	39	97	94	2	24	11	10	5	2	0	0	0	0	0	0	0	0	0	0	0
Calhoun	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Doddridge	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	17	16	0
Fayette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gilmer	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Grant	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greenbrier	1	0	0	0	0	0	0	0	0	9	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
Hampshire	1	0	26	24	1	0	11	11	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Hancock	0	0	1	1	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Hardy	20	85	7	5	6	3	18	18	0	34	10	8	14	0	0	0	0	1	3	3	0	0	0	0	0
Harrison	3	0	7	7	1	0	8	8	0	0	3	3	2	0	1	1	0	0	14	13	0	0	0	0	0
Jackson	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Jefferson	3	3	2	2	2	0	0	0	0	8	2	2	1	0	0	0	0	2	0	0	0	0	0	0	0
Kanawha	2	0	4	4	0	3	80	67	0	2	40	34	1	0	52	39	1	2	0	0	0	3	28	19	0
Lewis	1	0	0	0	0	4	6	6	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Logan	0	0	4	4	0	1	33	32	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0
McDowell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marion	0	0	0	0	0	0	6	6	0	0	1	1	0	0	35	30	0	0	82	68	0	0	0	0	0
Marshall	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	1	59	55	0	0	0	0	0
Mason	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	0	0	0	0	0	0	0	0	0
Mercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	0	0	0	0	0

Monthly Tuberculin Testing - 2017

Private Pay ONLY

Counties	LTBIs	Medical Risk (High Risk) WV-DTBE				Foreign-Born, Lived in or Visited a Foreign Country (High Risk) WV-DTBE				Homeless (High Risk) WV-DTBE				Other Population Risks (Low Risk) LHD				Administration (Lowest Risk) LHD			
		IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)	IGRA	TST Given	TST Read	Tests (+)
Barbour	1	0	1	1	0	0	0	0	0	0	0	0	0	0	24	21	1	0	39	35	0
Berkeley	0	0	0	0	0	0	0	0	0	0	0	0	0	6	130	120	0	0	66	60	0
Boone	0	0	2	2	0	0	1	0	0	0	0	0	0	0	99	96	0	0	37	35	0
Braxton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	16	16	0
Brooke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	91	0
Cabell	23	5	0	0	0	40	1	1	4	0	0	0	0	0	279	276	0	17	1681	1565	19
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	0
Clay	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
Doddridge	0	0	8	7	0	0	0	0	0	0	0	0	0	0	14	14	0	0	17	17	0
Fayette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gilmer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	7	0	0	0	0	0
Grant	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	37	1
Greenbrier	2	0	0	0	0	0	1	1	1	0	0	0	0	0	25	23	1	0	349	296	0
Hampshire	1	0	0	0	0	0	0	0	0	0	0	0	0	0	95	82	1	0	0	0	0
Hancock	0	0	2	2	0	0	0	0	0	0	0	0	0	0	45	44	0	0	31	31	0
Hardy	4	0	4	4	0	0	2	2	1	0	0	0	0	0	0	0	0	0	38	37	3
Harrison	1	0	9	9	0	0	2	2	0	0	0	0	0	0	159	153	1	0	7	6	0
Jackson	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	73	0
Jefferson	0	0	15	13	0	1	15	15	0	0	0	0	0	37	45	43	0	0	117	111	0
Kanawha	2	0	0	0	0	0	1	0	0	0	0	0	0	0	416	363	0	1	698	569	2
Lewis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	15	15	0	0	39	37	0
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	74	0
Logan	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	1	330	314	1
McDowell	0	0	1	1	0	0	0	0	0	0	0	0	0	0	56	23	0	0	0	0	0
Marion	0	0	0	0	0	0	0	0	0	0	2	2	0	0	56	53	0	0	31	24	0
Marshall	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	56	0	0	0	0	0
Mason	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	140	135	0
Mercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	221	221	0	0	65	65	0

**TUBERCULOSIS IN WEST VIRGINIA AND THE US
1977-2017**

<u>YEAR</u>	<u># WV CASES</u>	<u>WV RATE</u>	<u># US CASES</u>	<u>US RATE</u>
2017	16	.86	9,093	2.8
2016	14	.76	9,287	2.9
2015	10	.54	9,563	2.98
2014	13	.70	9,412	2.95
2013	13	.70	9,588	3.0
2012	8	.43	9,951	3.2
2011	13	.70	10,521	3.4
2010	15	.82	11,181	3.6
2009	19	1.0	11,540	3.8
2008	28	1.5	12,898	4.2
2007	24	1.3	13,293	4.4
2006	22	1.2	13,779	4.6
2005	28	1.6	14,093	4.8
2004	24	1.3	14,511	4.9
2003	21	1.2	14,874	5.1
2002	30	1.7	15,075	5.2
2001	32	1.8	15,989	5.6
2000	33	1.8	16,377	5.8
1999	41	2.3	17,531	6.4
1998	42	2.3	18,361	6.8
1997	54	3.0	19,851	7.4

**TUBERCULOSIS IN WEST VIRGINIA AND THE US
1977-2017
(Continued)**

<u>YEAR</u>	<u># WV CASES</u>	<u>WV RATE</u>	<u># US CASES</u>	<u>US RATE</u>
1996	57	3.2	21,337	8.0
1995	71	3.9	22,860	8.7
1994	80	4.4	24,361	9.4
1993	75	4.1	25,287	9.8
1992	92	5.1	26,673	10.5
1991	64	3.6	26,283	10.4
1990	87	4.9	25,701	10.3
1989	77	4.1	23,495	9.5
1988	68	3.6	22,436	9.2
1987	99	5.2	22,517	9.3
1986	124	6.5	22,768	9.5
1985	108	5.6	22,201	9.3
1984	133	6.8	22,255	9.4
1983	133	6.8	23,846	10.2
1982	162	8.3	25,520	11.0
1981	181	9.3	27,373	11.9
1980	203	10.4	27,749	12.2
1979	221	11.8	27,669	12.3
1978	216	11.6	28,521	12.8
1977	239	12.9	30,145	13.7

TB DRUG RESISTANCE IN WV 1997 TO 2017

<u>YEAR</u>	<u>MONO</u>	<u>MDR</u>	<u>2 OTHER</u>
2017	2	0	0
2016	1	0	0
2015	1	0	0
2014	2	0	0
2013	4	0	0
2012	2	0	0
2011	1	0	0
2010	1	0	1
2009	3	0	0
2008	0	0	0
2007	1	0	1
2006	2	0	0
2005	3	0	0
2004	3	0	0
2003	0	0	1
2002	2	0	1
2001	5	0	0
2000	4	0	2
1999	2	0	2
1998	3	0	0
1997	3	0	0