



WEST VIRGINIA TB PROFILE

ANNUAL REPORT 2014

March 13, 2015

**WV DIVISION OF TUBERCULOSIS ELIMINATION
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2014 TB Advisory Committee

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Chantal Fields	American Lung Association
Dr. Edward Dugan	WV School of Osteopathic Medicine
Dr. Melanie Fisher	West Virginia University
Dr. Greg Juckett	WVU Student Health
Rebecca King	WV Department of Education
Judy McGill	BPH - Public Health Nursing Administration
Ann Goldberg	Counsel - BPH
Dr. Harry Tweel	Cabell-Huntington Health Department
Dr. Rahul Gupta	Kanawha-Charleston Health Department
Laura Boone	WV Higher Education Policy Commission
Angela Gray	Berkeley County Health Department
Peggy Lambert Fink	WVU Tech Student Health - Nurse Practitioner
Dr. April Kilgore	Marshall University

2014 WV Active Tuberculosis Cases by County



Each of the marked counties has a single case with the exceptions of Cabell (2), Doddridge (2), and Kanawha (2).

WV Tuberculosis Cases by County

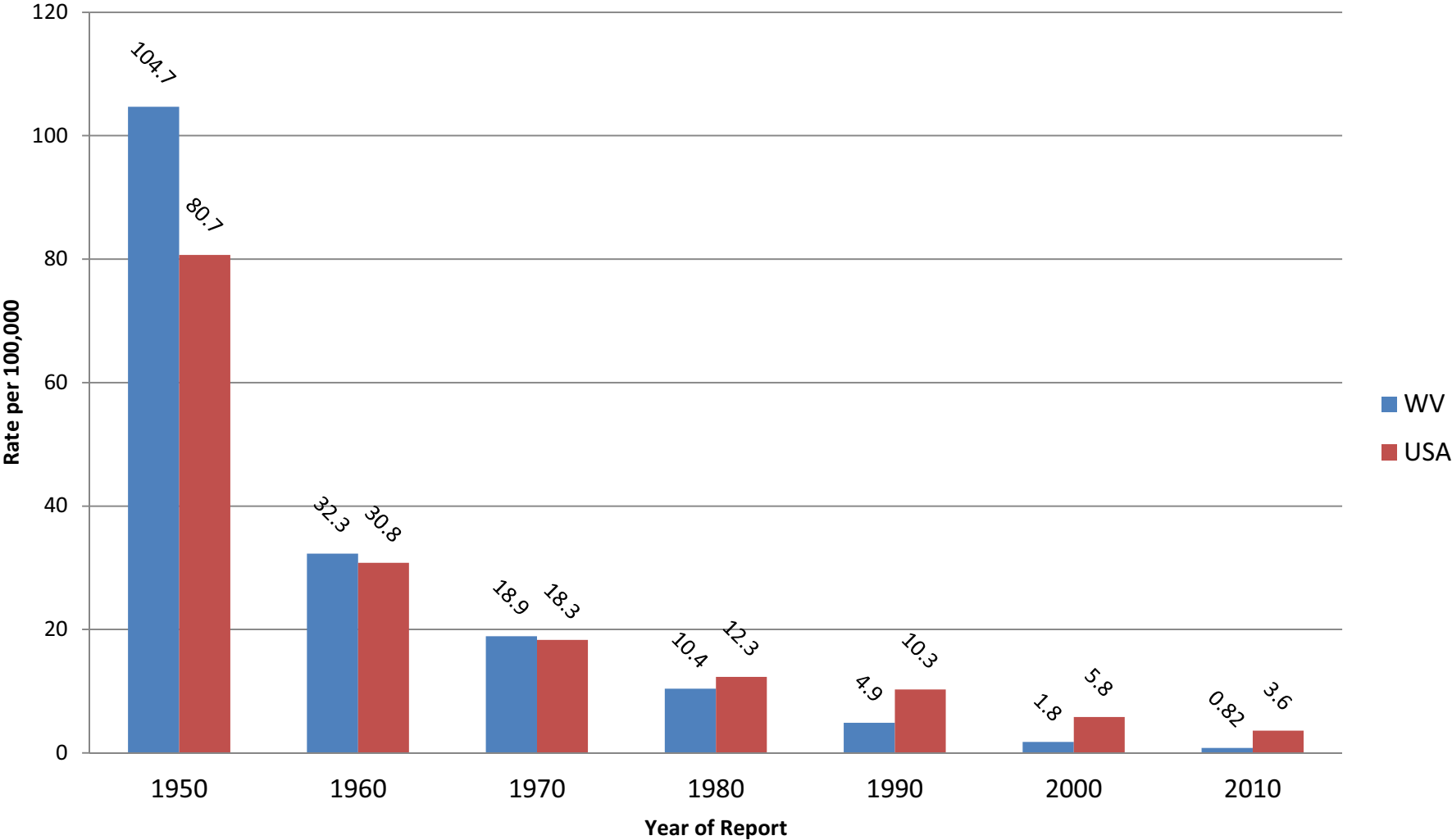
2010-2014



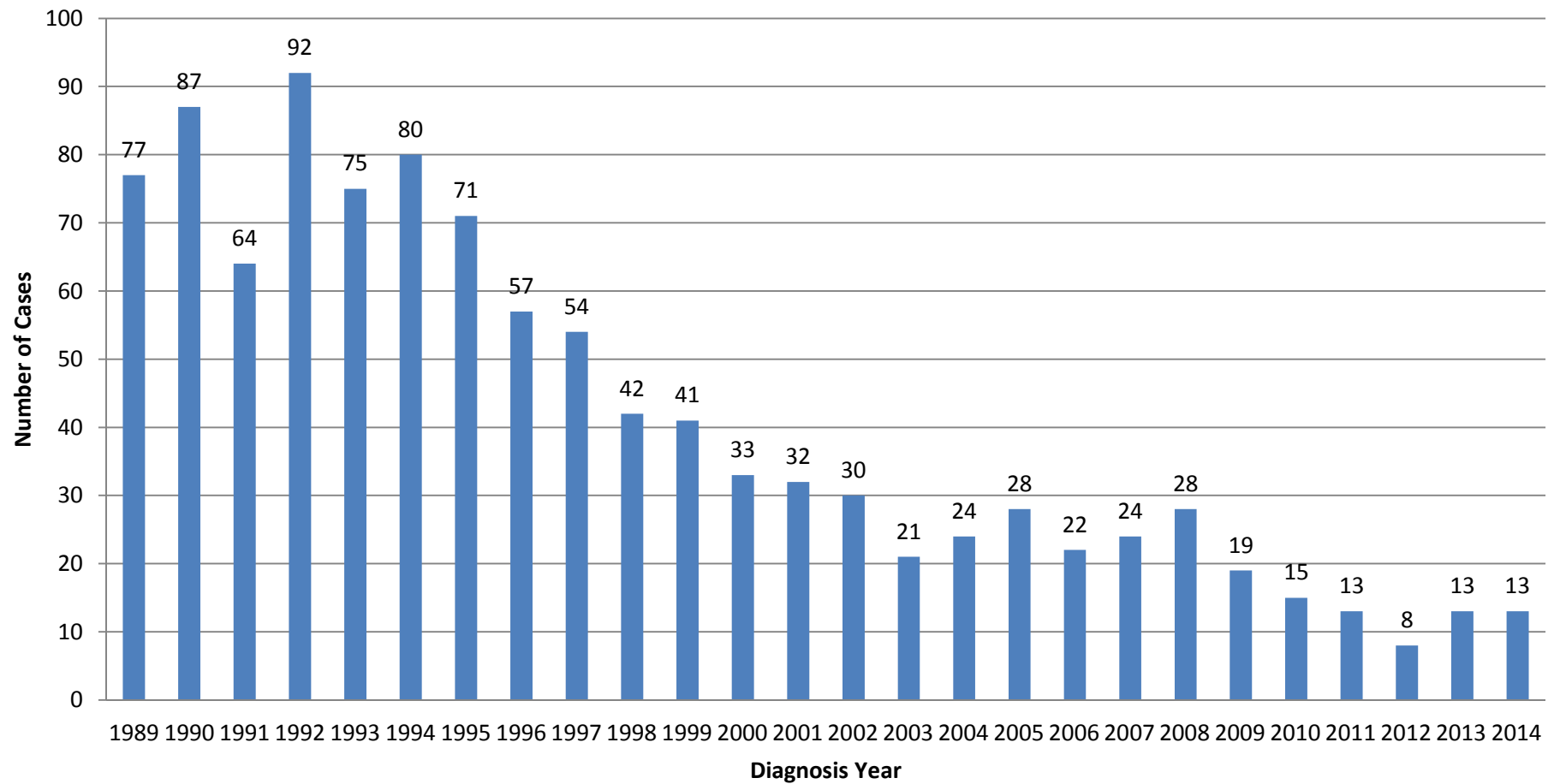
Each county may have one or multiple cases for the period 2010-2014. This map is intended to show the geographic area of the cases only.

TB Incidence Rate by Year of Report

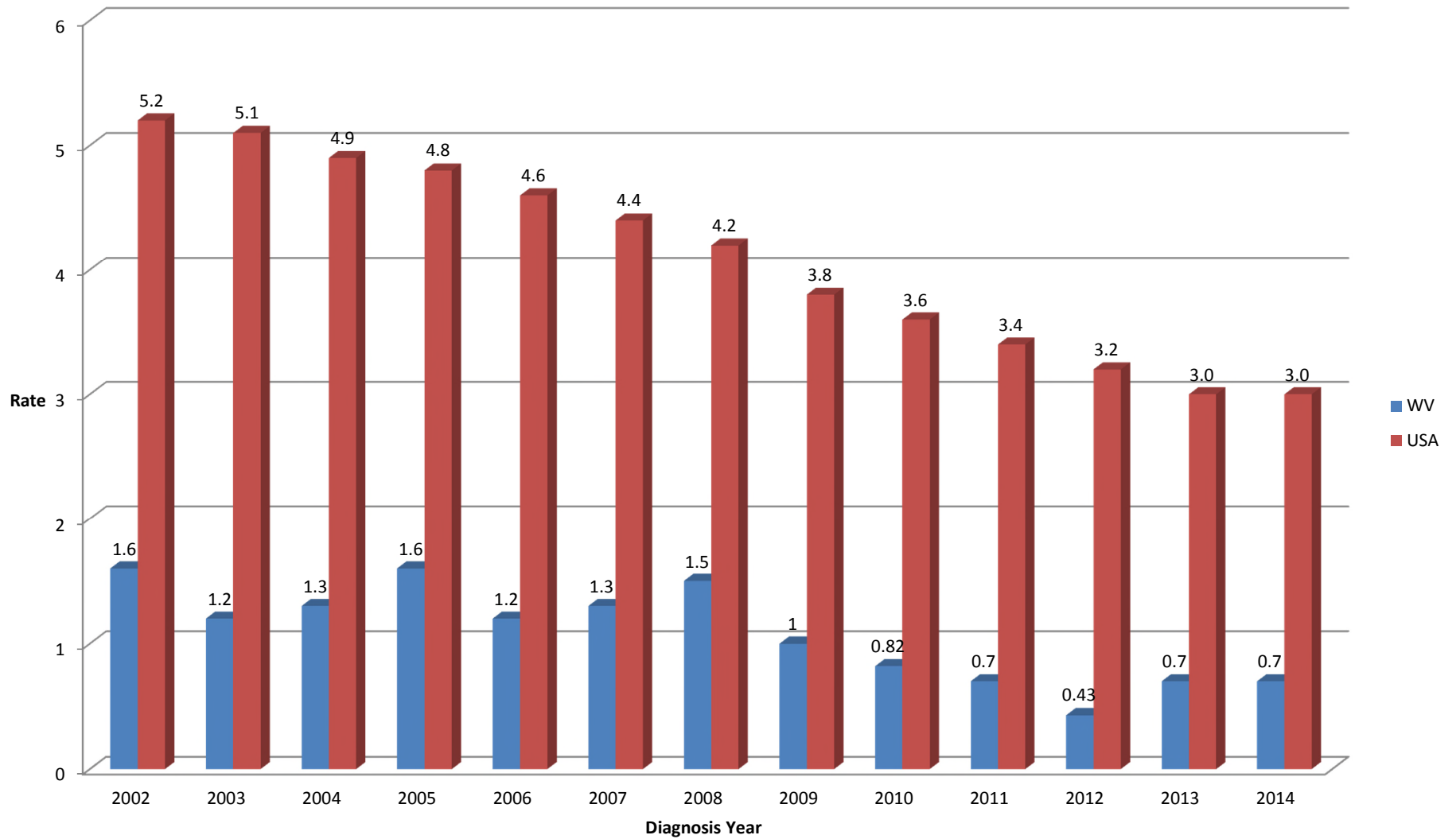
WV and USA Decennial Rates, 1950-2010



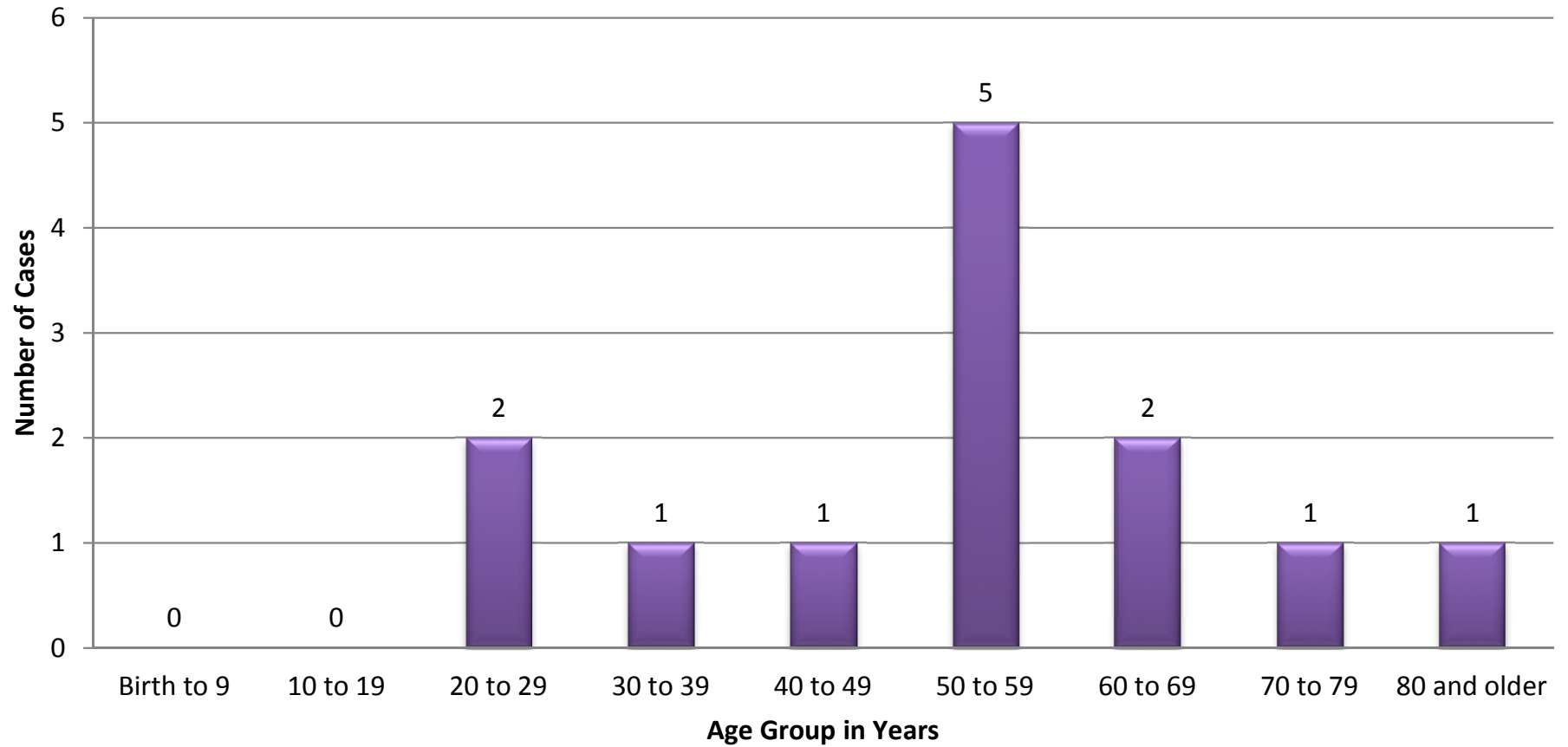
Number of Newly Diagnosed TB Cases in WV



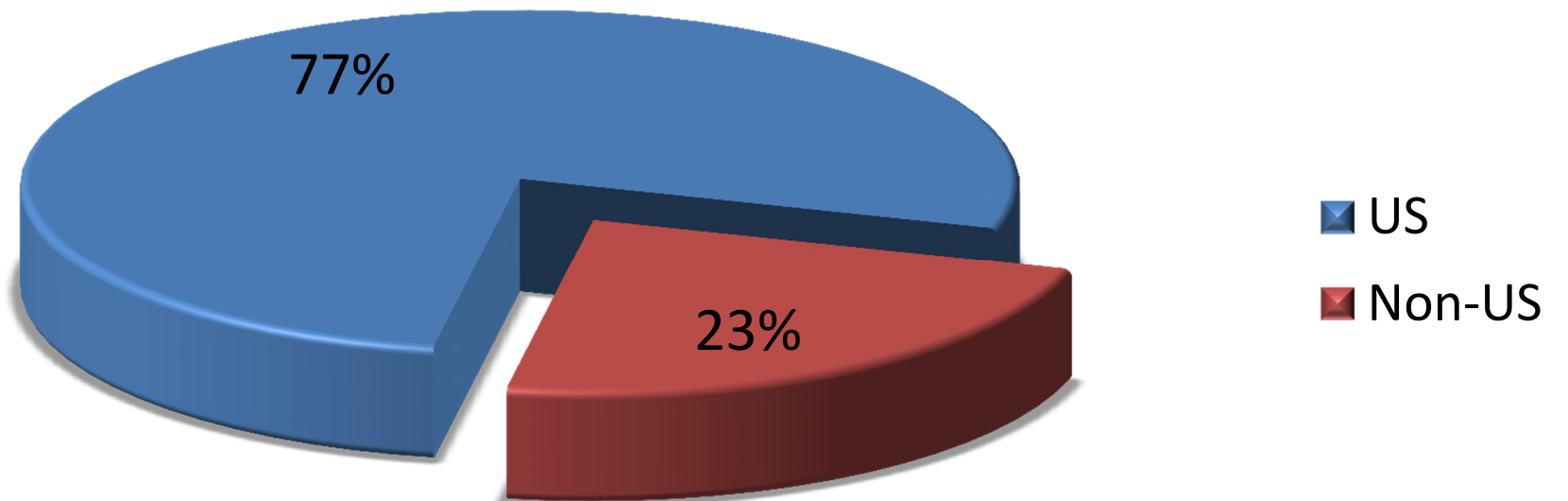
TB Incidence Rates per 100,000 by Diagnosis Year



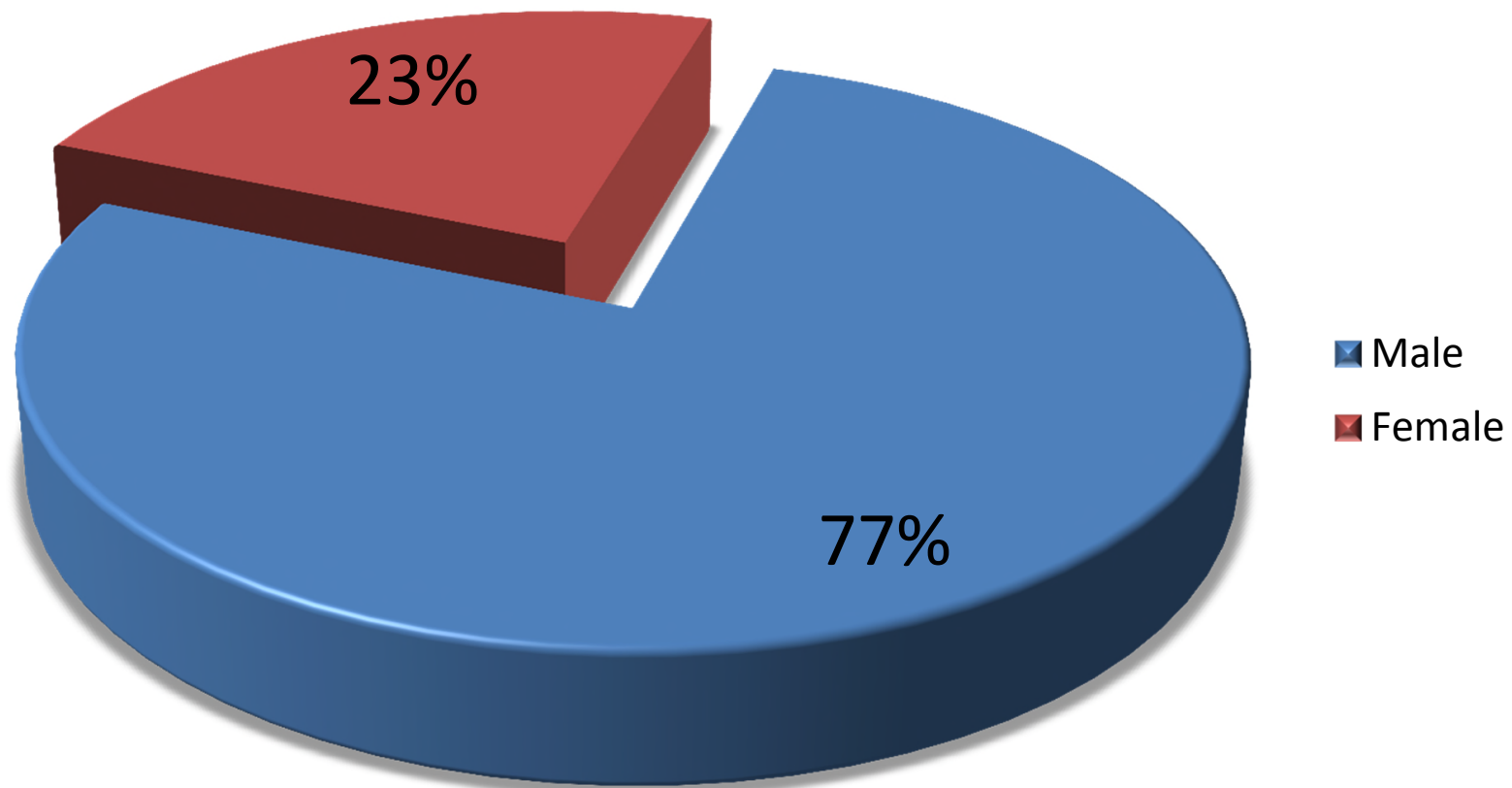
WV 2014 Cases of TB by Age Group



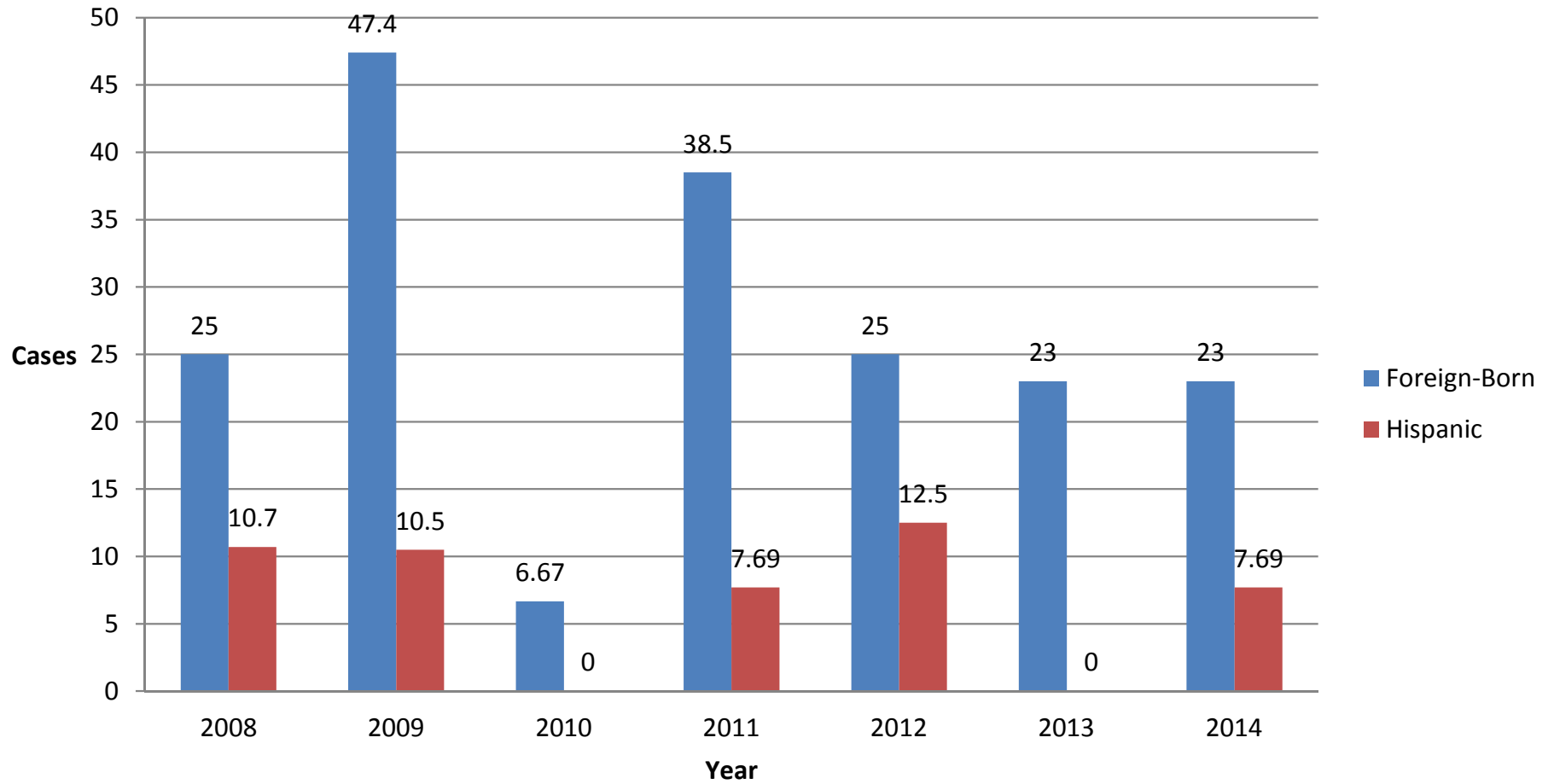
WV TB Cases by Country of Origin - 2014



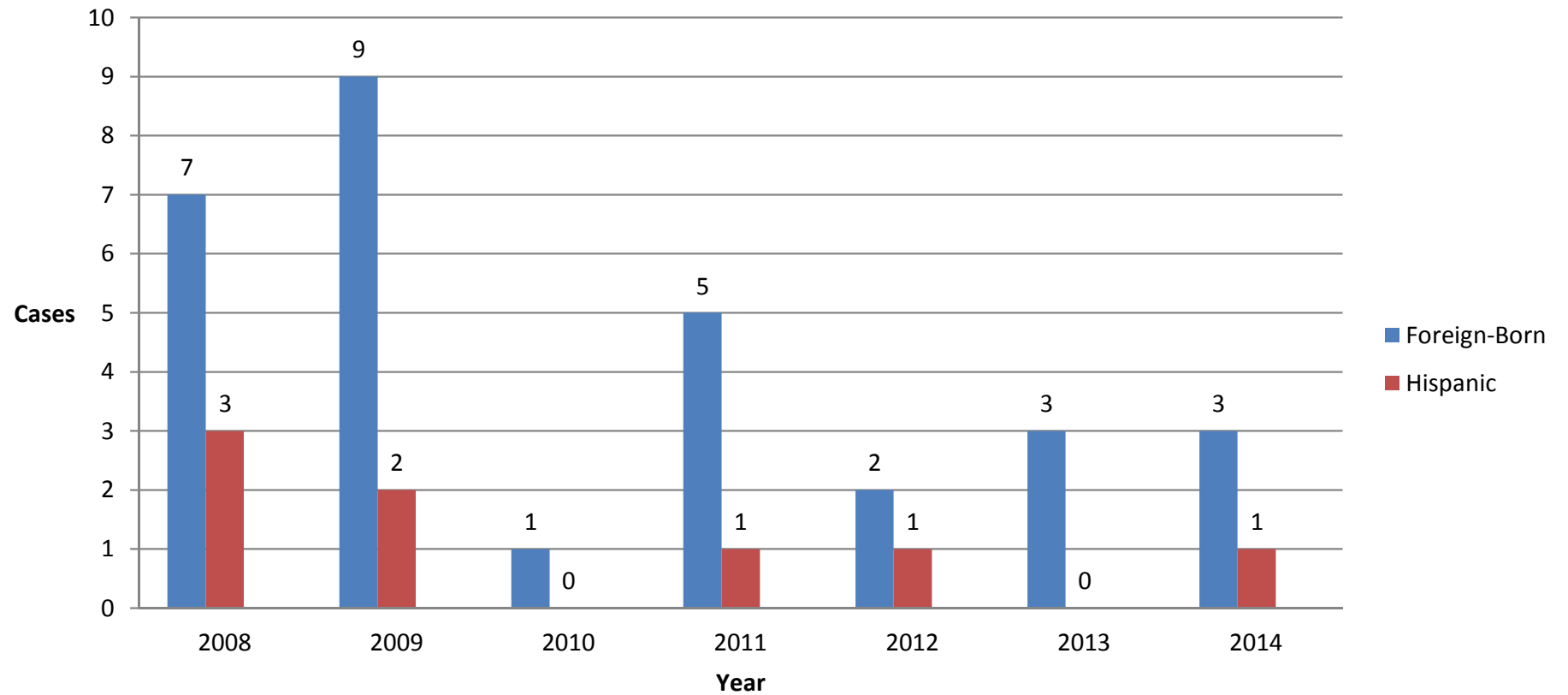
Gender of WV TB Cases - 2014



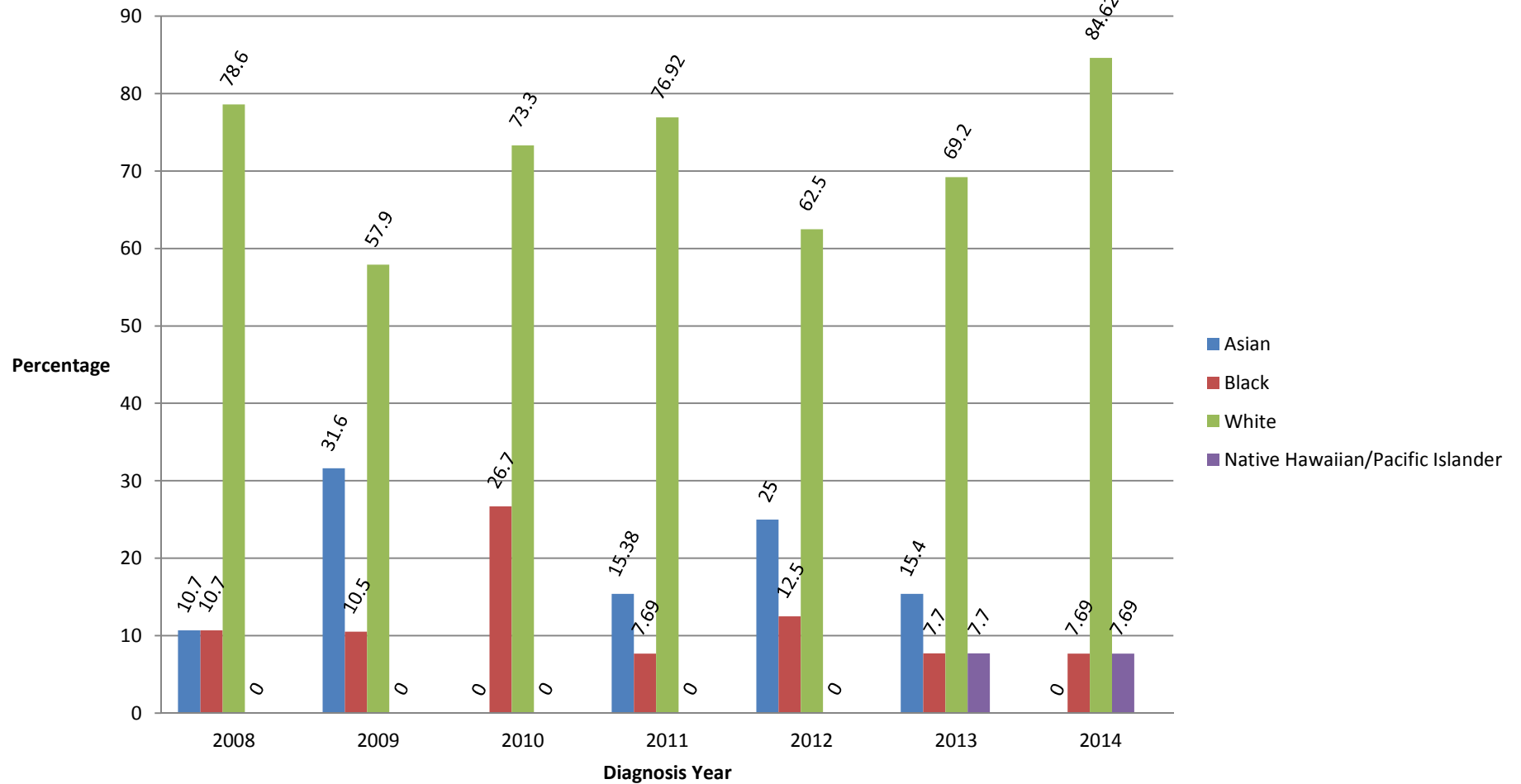
Percentage of WV TB Cases: Foreign-Born vs. Hispanic, 2008-2014



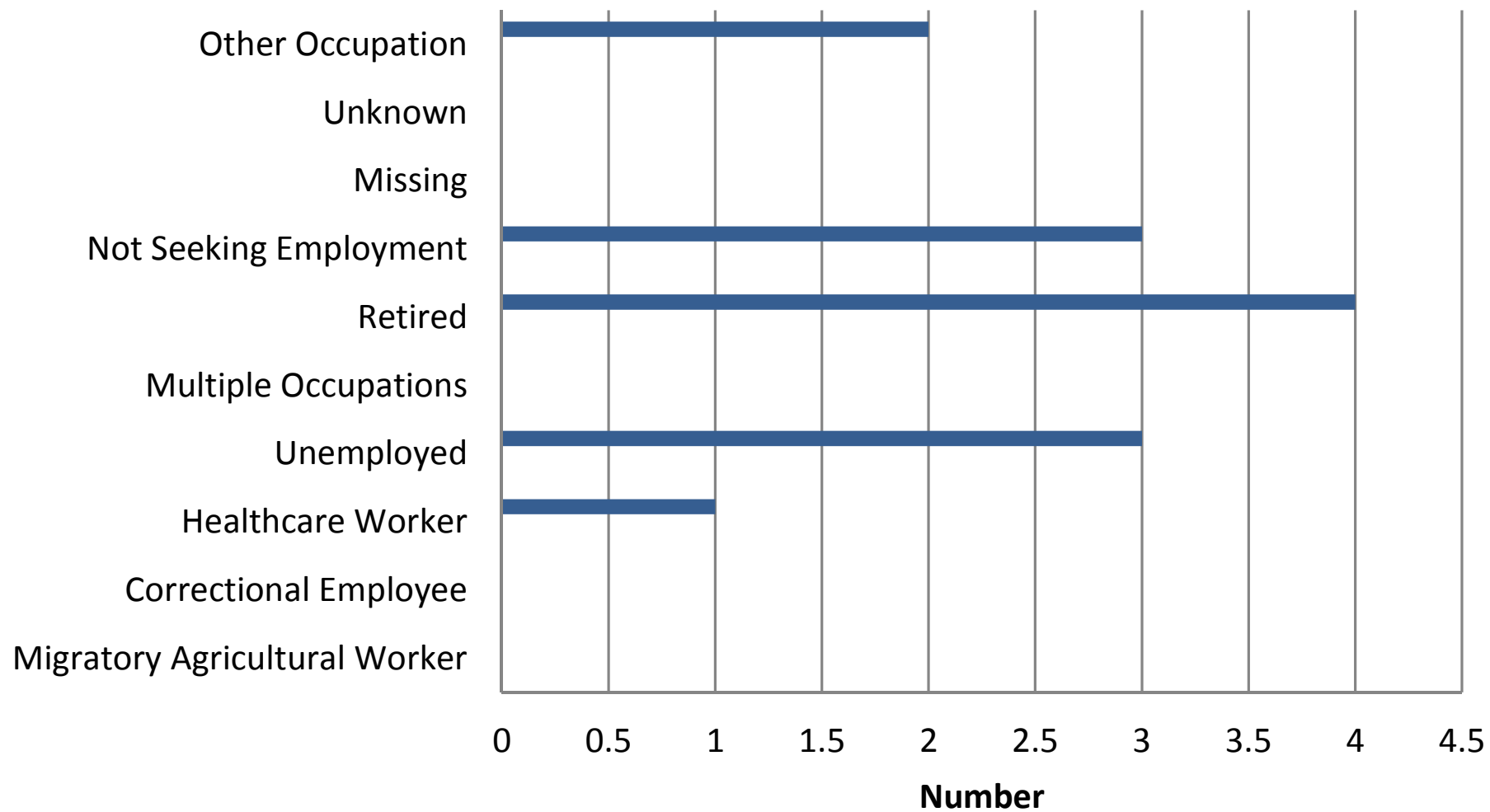
Number of WV TB Cases: Foreign-Born vs. Hispanic, 2008-2014



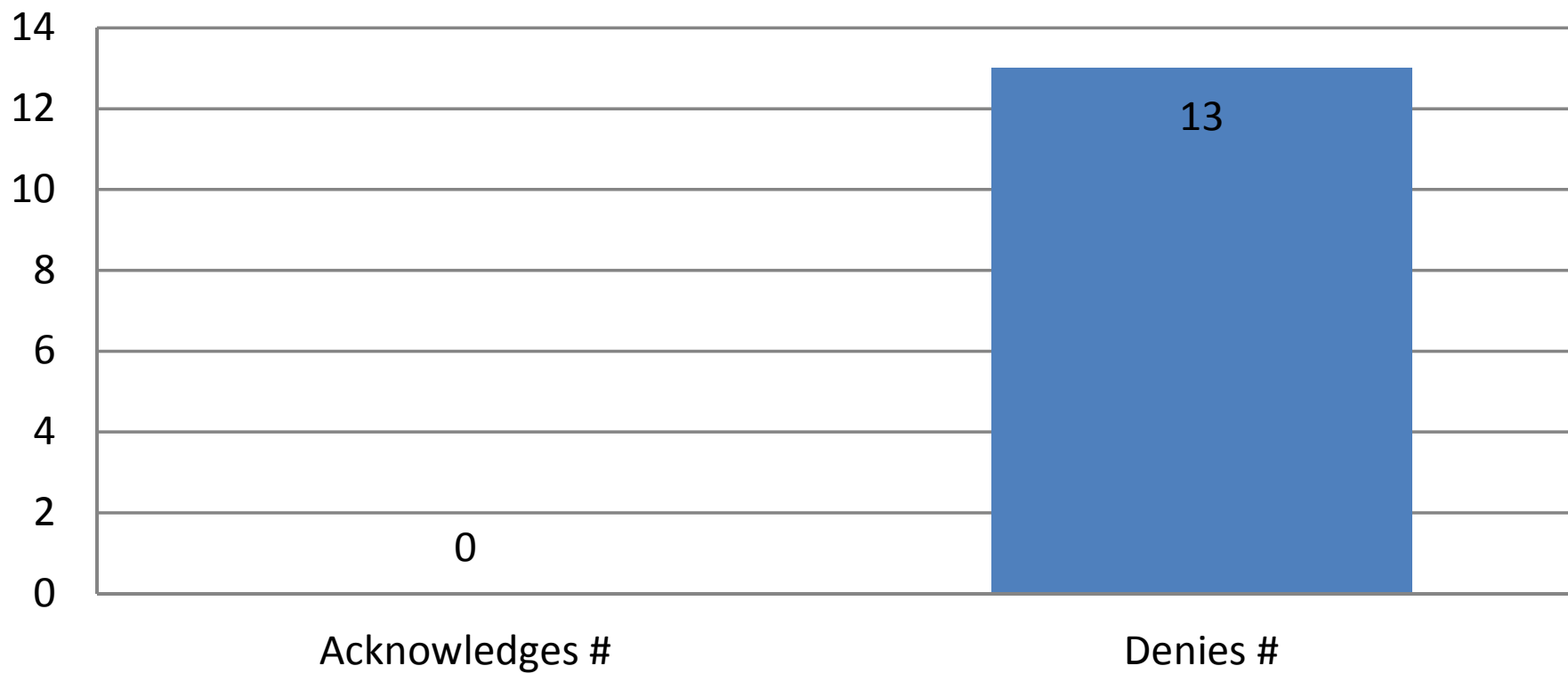
Race of WV TB Cases by Diagnosis Year, 2008-2014



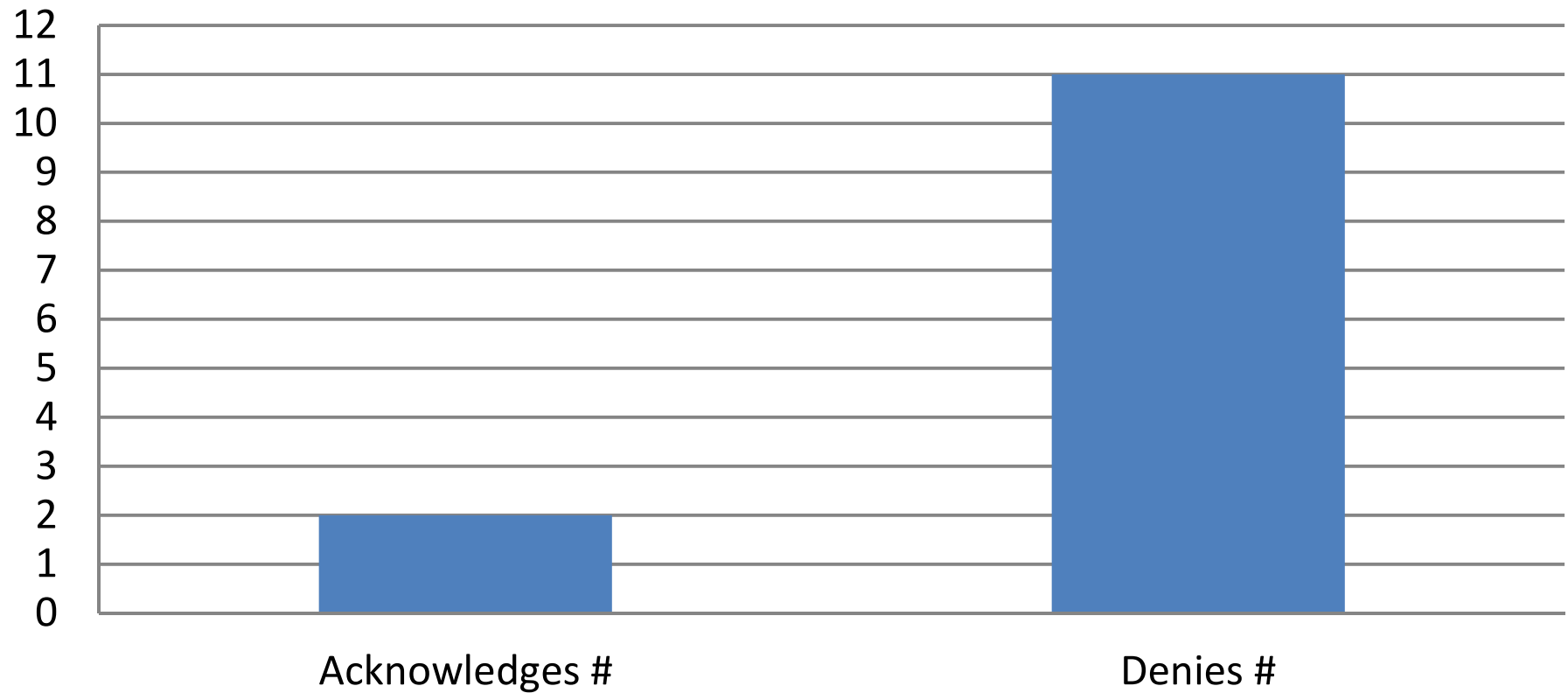
WV TB Cases in 2014 by Employment at Diagnosis



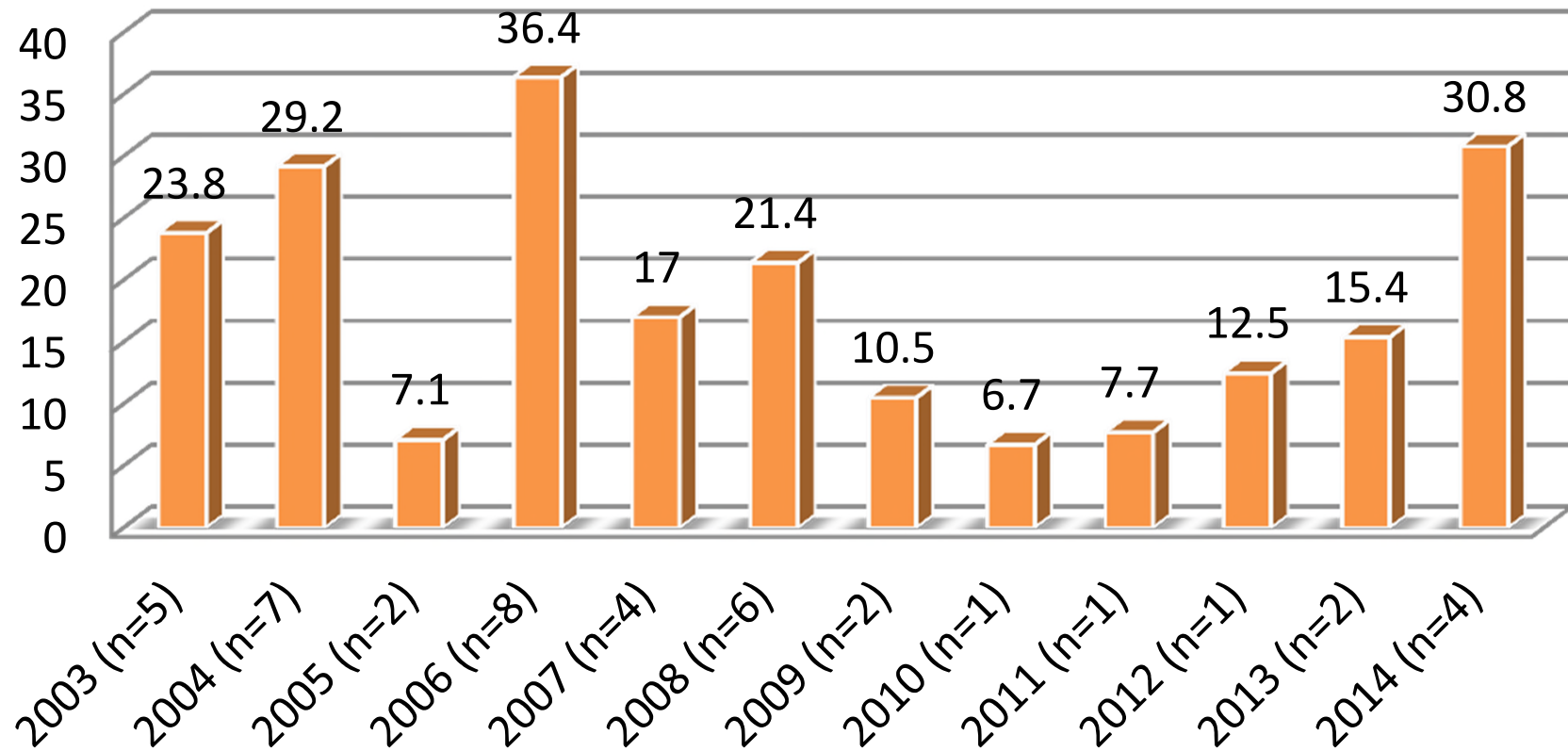
WV TB Cases by Injected Drug Use, 2014



WV TB Cases by Non-Injected Drug Use, 2014



Percentage of WV Cases with Reported History of Alcohol Abuse in the Past Year, 2003-2014



SURVEILLANCE CLINICAL DATA
 For the Month-Year Counted
 Beginning 01/2014 and Ending 12/2014

Reporting Area: West Virginia Bureau for Public Health – All Counties

STATUS AT DIAGNOSIS OF TB

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Alive	13	100.00%
Dead	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

PREVIOUS DIAGNOSIS OF TB

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	13	100.00%
Yes	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

SITE OF DISEASE

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Pulmonary	10	76.92%
Extrapulmonary	2	15.39%
Both	1	7.69%
Site Not Stated/Missing	0	0.00%
TOTAL	13	100.00%

SPUTUM SMEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	7	53.85%
Negative	5	38.46%
Not Done	1	7.69%
Unknown/Missing	0	0.00%
	13	100.00%

SURVEILLANCE CLINICAL DATA
 For the Month-Year Counted
 Beginning 01/2014 and Ending 12/2014
 (Continued)

SPUTUM CULTURE

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	11	84.62%
Negative	0	0.00%
Not Done	2	15.38%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

MICROSCOPIC EXAM OF TISSUE AND OTHER BODY FLUIDS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	2	15.38%
Negative	1	7.69%
Not Done	10	76.93%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

CULTURE OF TISSUE AND OTHER BODY FLUIDS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	3	23.07%
Negative	0	0.00%
Not Done	9	69.24%
Unknown	1	7.69%
Missing	0	0.00%
TOTAL	13	100.00%

SURVEILLANCE CLINICAL DATA
 For the Month-Year Counted
 Beginning 01/2014 and Ending 12/2014
 (Continued)

CHEST X-RAY

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Normal	2	15.38%
Abnormal	10	76.93%
Not Done/Unknown/Missing	1	7.69%
TOTAL	13	100.00%

TUBERCULIN (MANTOUX) SKIN TEST AT DIAGNOSIS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Positive	3	23.08%
Negative	1	7.69%
Not Done	9	69.23%
Unknown	0	0.00%
Missing	0	0.00%
TOTAL	13	100.00%

HIV STATUS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Negative	13	100.00%
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	0	0.00%
Missing	0	0.00%
TOTAL	13	100.00%

SURVEILLANCE CLINICAL DATA
 For the Month-Year Counted
 Beginning 01/2014 and Ending 12/2014
 (Continued)

INITIAL DRUG REGIMEN

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No Drugs	0	0.00%
One Drug	0	0.00%
INH, RIF, PZA, and EMB or SM	11	84.62%
INH, RIF, and PZA	1	7.69%
INH and RIF	0	0.00%
Any other multiple drug combination	1	7.69%
Unknown	0	0.00%
TOTAL	13	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT
 For the Month – Year Counted
 Beginning 01/2014 and Ending 12/2014

Reporting Area: West Virginia Bureau for Public Health – All Counties

ETHNICITY

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Hispanic or Latino	1	7.69%
Not Hispanic or Latino	12	92.31%
Unknown or Missing	0	0.00%
TOTAL	13	100.00%

RACE

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Single Race:		
American Indian or Alaska Native	0	0.00 %
Asian	0	0.00%
Black or African-American	1	7.69%
Native Hawaiian or Pacific Islander	1	7.69%
White	11	84.62%
Multiple Races	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

SEX

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
Male	10	76.92%
Female	3	23.08%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT
 For the Month – Year Counted
 Beginning 01/2014 and Ending 12/2014
 (Continued)

COUNTRY OF ORIGIN

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
USA	10	76.92%
Non-US	3	23.08%
Unknown/Missing	0	0.00%
	13	100.00%

5 YEAR AGE GROUP

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
0 – 4	0	0.00%
5 – 9	0	0.00%
10 – 14	0	0.00%
15 – 19	0	0.00%
20 – 24	1	7.69%
25 – 29	1	7.69%
30 – 34	0	0.00%
35 – 39	1	7.69%
40 – 44	0	0.00%
45 – 49	1	7.69%
50 – 54	3	23.08%
55 – 59	2	15.39%
60 – 64	0	0.00%
65 – 69	2	15.39%
70 – 74	0	0.00%
75 – 79	1	7.69%
80 – 84	0	0.00%
85 and Older	1	7.69%
Unknown	0	0.00%
TOTAL	13	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT
 For the Month – Year Counted
 Beginning 01/2014 and Ending 12/2014
 (Continued)

10 YEAR AGE GROUP

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
0 – 9	0	0.00%
10 – 19	0	0.00%
20 – 29	2	15.38%
30 – 39	1	7.69%
40 – 49	1	7.69%
50 – 59	5	38.48%
60 – 69	2	15.38%
70 – 79	1	7.69%
80 and Older	1	7.69%
Unknown	0	0.00%
TOTAL	13	100.00%

HOMELESS WITHIN PAST YEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	13	100.00%
Yes	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

RESIDENT OF A CORRECTIONAL FACILITY AT TIME OF DIAGNOSIS

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	12	92.31%
Yes	1	7.69%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT
 For the Month – Year Counted
 Beginning 01/2014 and Ending 12/2014
 (Continued)

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

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	13	100.00%
Yes	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

INJECTED DRUG USE WITHIN PAST YEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	13	100.00%
Yes	0	0.00%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

NON-INJECTED DRUG USE WITHIN PAST YEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	11	84.62%
Yes	2	15.38%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

EXCESS ALCOHOL USE WITHIN PAST YEAR

CLASSIFICATION	NUMBER OF RECORDS	PERCENT
No	9	69.24%
Yes	4	30.76%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

SURVEILLANCE DEMOGRAPHICS REPORT
 For the Month – Year Counted
 Beginning 01/2014 and Ending 12/2014
 (Continued)

OCCUPATION

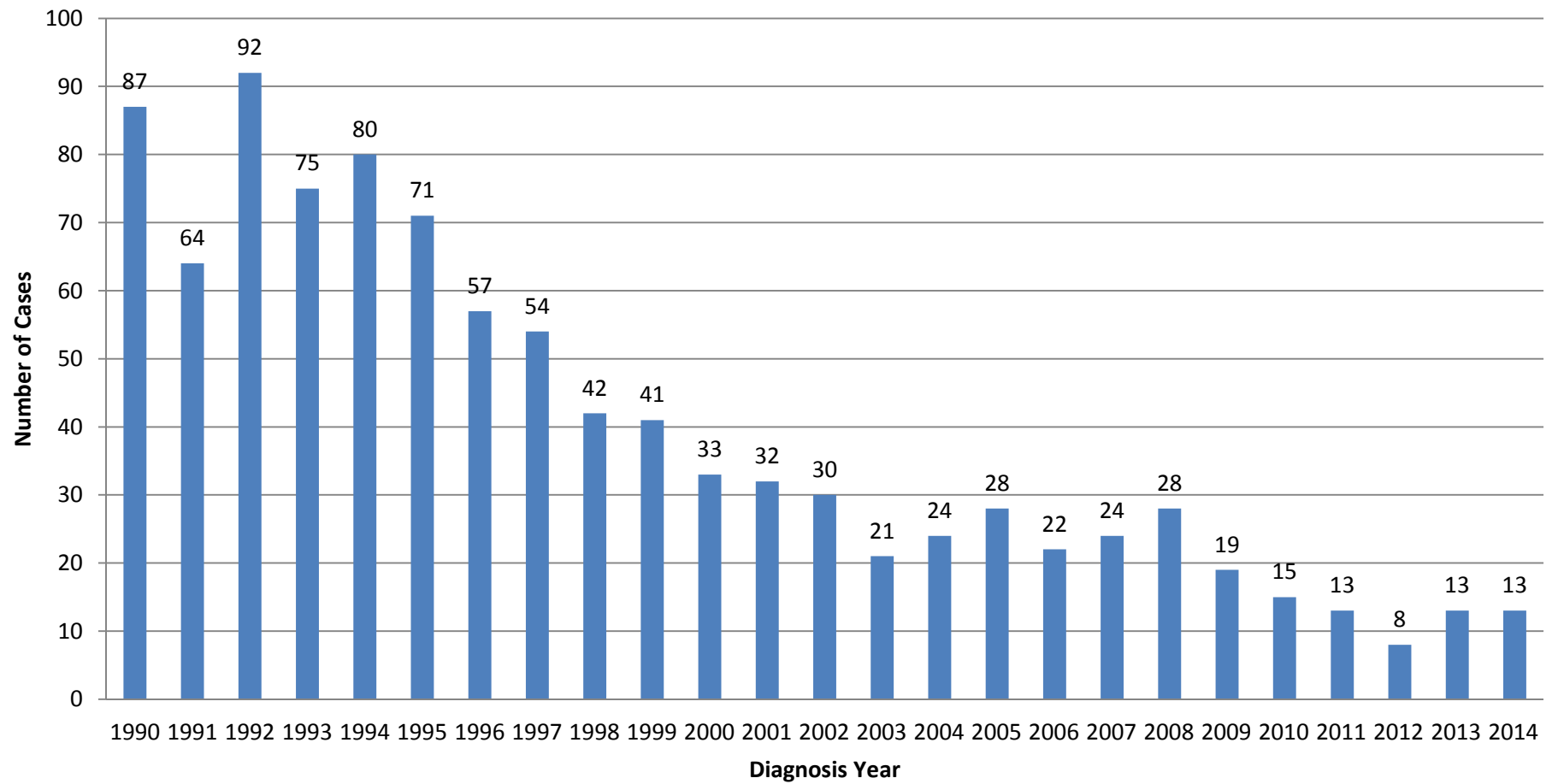
<u>CLASSIFICATION</u>	<u>NUMBER OF RECORDS</u>	<u>PERCENT</u>
Healthcare Worker	1	12.50%
Correctional Employee	0	0.00%
Migratory Agricultural Worker	0	0.00%
Other Occupation	2	12.50%
Retired	4	12.50%
Not Seeking Employment (e.g. student, etc.)	3	37.50%
Not Employed Within Past 24 Months	3	25.00%
Unknown/Missing	0	0.00%
TOTAL	13	100.00%

NEWLY REPORTED VERIFIED CASES OF TUBERCULOSIS IN WEST VIRGINIA

COUNTY	CENSUS 2010	2008	2009	2010	2011	2012	2013	2014	2014 I-RATE
Barbour	16,589	1	0	0	0	0	0	0	0.00
Berkeley	104,169	5	0	1	1	0	1	1	0.96
Boone	24,629	0	0	0	0	0	0	1	4.06
Braxton	14,523	0	0	0	0	0	0	0	0.00
Brooke	24,069	1	0	0	0	0	0	0	0.00
Cabell	96,319	4	3	0	2	2	3	2	2.08
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	0	0	0	1	2	24.38
Fayette	46,039	1	0	0	0	0	0	0	0.00
Gilmer	8,693	0	2	3	0	1	0	0	0.00
Grant	11,937	0	0	0	0	0	1	0	0.00
Greenbrier	35,480	0	0	0	0	0	0	1	2.82
Hampshire	23,964	0	0	0	0	0	0	0	0.00
Hancock	30,676	0	0	0	0	0	0	0	0.00
Hardy	14,025	0	0	0	1	0	0	0	0.00
Harrison	69,099	0	0	0	1	0	1	0	0.00
Jackson	29,211	0	0	0	0	0	0	0	0.00
Jefferson	53,498	1	0	0	1	0	1	0	0.00
Kanawha	193,063	2	2	1	0	1	0	2	1.04
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	0	2	0	1	0	1	2.72
Marion	56,418	0	0	0	0	0	1	0	0.00
Marshall	33,107	0	0	1	0	0	0	0	0.00
Mason	27,324	0	1	0	0	0	0	1	3.66
McDowell	22,113	1	2	0	1	1	0	0	0.00
Mercer	62,264	0	2	0	1	0	1	1	1.61
Mineral	28,212	0	1	0	0	0	0	0	0.00
Mingo	26,839	0	0	1	0	0	0	0	0.00
Monongalia	96,189	1	2	2	1	0	2	0	0.00
Monroe	13,502	0	0	0	0	0	0	0	0.00
Morgan	17,541	1	0	0	0	0	0	0	0.00
Nicholas	26,233	0	0	1	0	0	0	0	0.00
Ohio	44,443	1	1	0	0	0	0	0	0.00
Pendleton	7,695	0	0	0	0	0	1	0	0.00
Pleasants	7,605	0	0	0	0	0	0	0	0.00
Pocahontas	8,719	1	0	0	0	0	0	0	0.00
Preston	33,520	0	0	1	0	0	0	0	0.00

COUNTY	CENSUS 2010	2008	2009	2010	2011	2012	2013	2014	2014 I-RATE
Putnam	55,486	1	1	0	2	0	0	0	0.00
Raleigh	78,859	4	1	0	1	1	0	0	0.00
Randolph	29,405	0	0	1	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	0	0.00
Summers	13,927	0	0	0	0	0	0	0	0.00
Taylor	16,895	0	0	0	0	0	0	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	0	0	0	1	4.12
Wayne	42,481	0	0	1	1	1	0	0	0.00
Webster	7,154	0	0	0	0	0	0	0	0.00
Wetzel	16,583	0	1	0	0	0	0	0	0.00
Wirt	5,717	0	0	0	0	0	0	0	0.00
Wood	86,956	2	0	0	0	0	0	0	0.00
Wyoming	23,796	1	0	0	0	0	0	0	0.00
TOTAL	1,852,994	28	19	15	13	8	13	13	
I-Rate for WV		1.5	1	0.82	0.7	0.43	0.70	0.70	
# Counties with TB Cases		15	12	11	11	7	10	10	

Number of Newly Diagnosed TB Cases in WV



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

County	Population 2010 Census	2010 LTBI	2010 Rate	2011 LTBI	2011 Rate	2012 LTBI	2012 Rate	2013 LTBI	2013 Rate	2014 LTBI	2014 Rate
Barbour	16,589	5	31.73	4	24.11	1	6.03	0	0.00	3	18.08
Berkeley	104,169	19	18.29	15	14.4	13	12.48	11	10.56	4	3.84
Boone	24,629	0	0	6	24.36	12	48.72	2	8.12	1	4.06
Braxton	14,523	0	0	0	0	0	0.00	1	6.89	0	0.00
Brooke	24,069	0	0	1	4.15	0	0.00	0	0.00	0	0.00
Cabell	96,319	41	43.06	75	77.87	36	37.38	26	26.99	18	18.69
Calhoun	7,627	0	0	0	0	0	0.00	0	0.00	0	0.00
Clay	9,386	0	0	0	0	0	0.00	0	0.00	0	0.00
Doddridge	8,202	3	41.66	0	0	0	0.00	2	24.38	6	73.15
Fayette	46,039	1	2.17	0	0	0	0.00	0	0.00	0	0.00
Gilmer	8,693	0	0	0	0	0	0.00	0	0.00	0	0.00
Grant	11,937	1	8.45	0	0	1	8.38	0	0.00	0	0.00
Greenbrier	35,480	8	23.17	0	0	2	5.64	5	14.09	3	8.46
Hampshire	23,964	0	0	1	4.17	1	4.17	1	4.17	2	8.35
Hancock	30,676	0	0	1	3.26	0	0.00	1	3.26	0	0.00
Hardy	14,025	7	51.43	9	64.17	21	149.73	20	142.60	51	363.64
Harrison	69,099	4	5.8	11	15.92	5	7.24	6	8.68	8	11.58
Jackson	29,211	2	7.13	0	0	3	10.27	1	3.42	0	0.00
Jefferson	53,498	56	106.16	32	59.82	58	108.42	21	39.25	4	7.48
Kanawha	193,063	39	20.35	6	3.11	35	18.13	27	13.99	26	13.47
Lewis	16,372	4	23	0	0	0	0.00	1	6.11	2	12.22
Lincoln	21,720	0	0	0	0	0	0.00	2	9.21	0	0.00
Logan	36,743	13	36.62	7	19.05	9	24.49	2	5.44	2	5.44
Marion	56,418	11	19.4	2	3.54	0	0.00	0	0.00	2	3.54
Marshall	33,107	5	15.36	2	6.04	1	3.02	1	3.02	1	3.02
Mason	27,324	0	0	4	14.64	0	0.00	2	7.32	2	7.32
McDowell	22,113	1	4.46	0	0	0	0.00	0	0.00	0	0.00
Mercer	62,264	18	29.07	22	35.33	13	20.88	6	9.64	9	14.45
Mineral	28,212	0	0	0	0	0	0.00	1	3.54	0	0.00
Mingo	26,839	2	7.58	3	11.18	1	3.73	2	7.45	1	3.73
Monongalia	96,189	10	11.1	12	12.48	0	0.00	0	0.00	15	15.59
Monroe	13,502	8	58.33	2	14.81	3	22.22	2	14.81	0	0.00
Morgan	17,541	0	0	0	0	0	0.00	0	0.00	0	0.00
Nicholas	26,233	1	3.81	0	0	0	0.00	1	3.81	1	3.81
Ohio	44,443	5	11.36	5	11.25	7	15.75	8	18.00	1	2.25
Pendleton	7,695	0	0	0	0	1	13.00	8	103.96	1	13.00
Pleasants	7,605	0	0	0	0	0	0.00	0	0.00	0	0.00
Pocahontas	8,719	1	11.88	0	0	0	0.00	0	0.00	0	0.00
Preston	33,520	0	0	0	0	0	0.00	0	0.00	1	2.98
Putnam	55,486	16	28.74	11	19.82	6	10.81	3	5.41	3	5.41
Raleigh	78,859	78	98.5	40	50.72	10	12.68	13	16.49	9	11.41
Randolph	29,405	5	17.61	4	13.6	5	17.00	0	0.00	1	3.40
Ritchie	10,449	0	0	0	0	0	0.00	0	0.00	0	0.00
Roane	14,926	0	0	0	0	0	0.00	1	6.70	1	6.70
Summers	13,927	1	7.64	2	14.36	2	14.36	0	0.00	0	0.00
Taylor	16,895	12	73.49	0	0	1	5.92	0	0.00	0	0.00
Tucker	7,141	1	14.68	3	42.01	0	0.00	0	0.00	0	0.00
Upshur	24,254	0	0	0	0	1	4.12	1	4.12	0	0.00
Wayne	42,481	6	14.59	1	2.35	0	0.00	1	2.35	2	4.71
Webster	7,154	0	0	0	0	0	0.00	0	0.00	0	0.00
Wetzel-Tyler	25,791	2	8.03	0	0	0	0.00	1	3.88	0	0.00
Wirt	5,717	0	0	0	0	0	0.00	0	0.00	0	0.00
Wood	86,956	2	2.3	6	6.9	1	1.15	2	2.30	2	2.30
Wyoming	23,796	0	0	1	4.2	0	0.00	0	0.00	0	0.00
TOTALS	1,852,994	388	21.32	288	15.54	249	13.44	182	9.82	182	9.82

Monthly Tuberculin Testing - 2014

Counties	LTBI's	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				Required by WV Law (Moderate 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 (+)	IGRA	TST Given	TST Read	Tests (+)	
Barbour	3	0	5	5	0	0	0	0	0	0	3	3	0	0	0	0	0	0	1	1	1	1	1	12	12	1	0	68	68	1
Berkeley	4	25	1	4	0	11	132	124	0	71	41	39	4	0	69	54	0	0	581	568	0	0	146	130	0	0	79	73	0	
Boone	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	244	175	1	
Braxton	0	0	2	2	0	0	0	0	0	0	1	1	0	0	3	3	0	4	80	80	0	0	35	35	0	0	4	4	0	
Brooke	0	0	0	0	0	0	5	5	0	1	1	0	0	0	0	0	0	0	132	131	0	0	97	97	0	0	0	0	0	
Cabell	18	114	42	37	0	31	41	39	2	166	15	14	1	18	20	17	0	0	410	374	5	7	560	545	0	7	1178	1073	10	
Calhoun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	6	0	0	0	0	0	0	0	0	0	
Clay	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	21	21	0	0	1	1	0	0	27	27	0	
Doddridge	6	43	66	65	6	0	14	14	0	0	0	0	0	0	0	0	0	0	31	31	0	0	15	15	0	0	24	24	0	
Fayette	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	1	100	96	0	0	0	0	0	0	0	0	0	
Gilmer	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	30	30	0	0	14	14	0	0	3	3	0	
Grant	0	0	2	2	0	0	2	2	0	0	0	0	0	0	0	0	0	0	26	26	0	0	0	0	0	0	0	0	0	
Greenbrier	3	4	43	34	0	3	6	6	0	14	0	0	1	0	0	0	0	0	109	102	0	0	8	8	0	1	322	283	2	
Hampshire	2	0	1	1	0	0	7	6	0	0	1	1	1	0	0	0	0	0	20	20	0	0	212	207	1	0	0	0	0	
Hancock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	166	164	0	0	8	8	0	0	67	67	0	
Hardy	51	0	1	1	0	4	33	30	0	256	12	12	51	0	0	0	0	2	107	101	0	1	2	2	0	1	34	34	0	
Harrison	8	0	42	40	3	0	41	39	0	1	16	16	2	0	0	0	0	0	188	185	1	1	159	154	2	0	28	28	0	
Jackson	0	0	2	2	0	2	3	2	0	1	0	0	0	0	0	0	0	0	88	81	0	0	55	52	0	0	0	0	0	
Jefferson	4	0	0	0	0	11	2	1	0	15	0	0	2	0	0	0	0	2	661	637	1	0	79	71	1	0	101	93	0	
Kanawha	26	3	9	9	2	31	84	78	5	77	13	12	10	3	206	175	5	1	400	373	0	12	386	354	3	0	842	732	1	
Lewis	2	4	0	0	0	1	1	1	0	2	1	1	1	0	0	0	0	1	84	84	1	0	0	0	0	0	59	59	0	
Lincoln	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	66	0	0	7	7	0	0	107	102	0	
Logan	2	12	55	50	1	4	53	51	1	1	3	2	0	0	0	0	0	1	157	151	0	0	5	5	0	1	354	329	0	
McDowell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	41	0	0	0	0	0	0	64	16	0	
Marion	2	0	0	0	0	0	3	2	0	0	0	0	0	0	8	8	0	0	180	166	2	0	43	43	0	0	44	32	0	
Marshall	1	0	0	0	0	4	5	5	0	2	1	1	1	0	0	0	0	0	301	251	0	0	58	43	0	0	1	1	0	
Mason	2	0	0	0	0	2	22	19	0	0	1	1	0	3	15	7	0	2	135	126	2	0	1	1	0	0	118	113	0	
Mercer	9	35	66	66	5	1	0	0	0	20	0	0	0	0	0	0	0	2	227	227	0	3	104	104	3	2	159	159	1	

Counties	LTBI's	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				Required by WV Law (Moderate 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 (+)	IGRA	TST Given	TST Read	Tests (+)
Mineral	0	0	0	0	0	0	1	1	0	0	3	3	0	0	0	0	0	154	151	0	0	8	8	0	0	175	167	0	
Mingo	1	0	0	0	0	0	10	7	0	0	0	0	0	0	0	0	0	119	74	0	0	169	120	1	0	36	22	0	
Monongalia	15	16	28	27	2	0	14	14	0	99	3	3	8	1	3	3	1	2	161	161	3	15	101	97	1	3	33	32	0
Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	53	48	0	0	0	0	0	0	0	0	0
Morgan	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	185	184	0	0	0	0	0	0	16	16	0	
Nicholas	1	0	1	1	1	0	22	21	0	0	3	3	0	0	0	0	0	124	117	0	0	17	17	0	0	17	17	0	
Ohio	1	0	3	3	0	0	3	3	0	0	1	1	0	0	0	0	1	186	151	1	0	0	0	0	0	24	20	0	
Pendleton	1	0	4	4	0	0	2	2	1	0	0	0	0	0	0	0	0	36	36	0	0	0	0	0	0	0	0	0	
Pleasants	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	107	96	0	0	7	7	0	0	44	42	0	
Pocahontas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	19	18	0	
Preston	1	2	8	6	1	2	4	4	0	0	2	2	0	0	0	0	0	141	139	0	1	4	4	0	0	62	52	0	
Putnam	3	0	2	2	0	4	12	12	0	18	1	1	2	0	0	0	0	217	213	0	0	121	120	1	0	64	62	0	
Raleigh	9	0	3	1	0	1	3	3	2	40	2	2	3	0	0	0	0	36	520	501	0	3	0	0	0	5	1180	1180	4
Randolph	1	1	5	4	0	3	15	13	0	8	0	0	0	0	5	5	0	0	157	157	0	3	113	108	1	0	60	57	0
Ritchie	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	0	11	10	0	
Roane	1	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	44	42	0	0	0	0	0	1	1	0	
Summers	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	0	0	0	0	0	178	165	0	
Taylor	0	0	12	12	0	0	9	6	0	0	0	0	0	0	0	0	0	99	89	0	0	13	14	0	0	41	41	0	
Tucker	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	0	0	0	0	0	0	8	8	0	
Upshur	0	1	11	11	0	0	11	11	0	1	3	3	0	0	0	0	0	0	207	201	0	0	1	1	0	0	2	2	0
Wayne	2	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	1	113	111	2	0	0	0	0	0	1	1	0	
Webster	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	27	0	0	0	0	0	1	0	0	0	
Wetzel/Tyler	0	1	9	9	0	0	1	0	0	5	1	1	0	0	0	0	0	4	193	188	0	0	111	109	0	0	0	0	0
Wirt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	15	0	0	1	1	0	0	11	11	0	
Wood	2	2	3	3	0	3	15	13	2	13	6	5	0	0	17	8	0	1	179	174	0	1	1	1	0	1	263	238	0
Wyoming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	114	0	0	43	43	0	0	0	0	0	
TOTALS	182	263	430	405	21	119	588	546	14	812	135	128	87	25	347	281	6	65	7,616	7,175	19	48	2,718	2,559	15	22	6,173	5,657	20

Percent POSITIVE each group 3.0% 2.0% 9.2% 1.6% 0.2% 0.5% 0.3%

Total LTBI's: 182

Overall percentage of all tested POSITIVE 0.9%

Percentage tested POSITIVE by category:

Contacts	3.0%	Req. by WV Law	0.2%
Medical Risk	2.0%	Other Pop. Risk	0.5%
Foreign-Born	9.2%	Administration	0.3%
Homeless	1.6%		

LTBI's by Age:	
0-4:	2
5-14:	12
15-34:	67
35-99:	101
Not Stated:	0
Total LTBI's:	182

STATISTICAL INFORMATION
TUBERCULOSIS IN WEST VIRGINIA AND THE USA

<u>YEAR</u>	<u># WV CASES</u>	<u>WV RATE</u>	<u># USA CASES</u>	<u>USA RATE</u>
2014	13	.70	9,412	3.0
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
1996	57	3.2	21,337	8.0
1995	71	3.9	22,860	8.7
1994	80	4.4	24,361	9.4

STATISTICAL INFORMATION: TB IN WV AND THE USA
(Continued)

<u>YEAR</u>	<u># WV CASES</u>	<u>WV RATE</u>	<u># USA CASES</u>	<u>USA RATE</u>
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
1994 TO 2014**

<u>YEAR</u>	<u>MONO</u>	<u>MDR</u>	<u>2 OTHER</u>
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
1996	3	0	0
1995	1	0	1
1994	5	0	0