

West Virginia TUBERCULOSIS PROFILE 2008



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BUREAU FOR PUBLIC HEALTH
Division of Surveillance & Disease Control



**WV TUBERCULOSIS CONTROL PROGRAM
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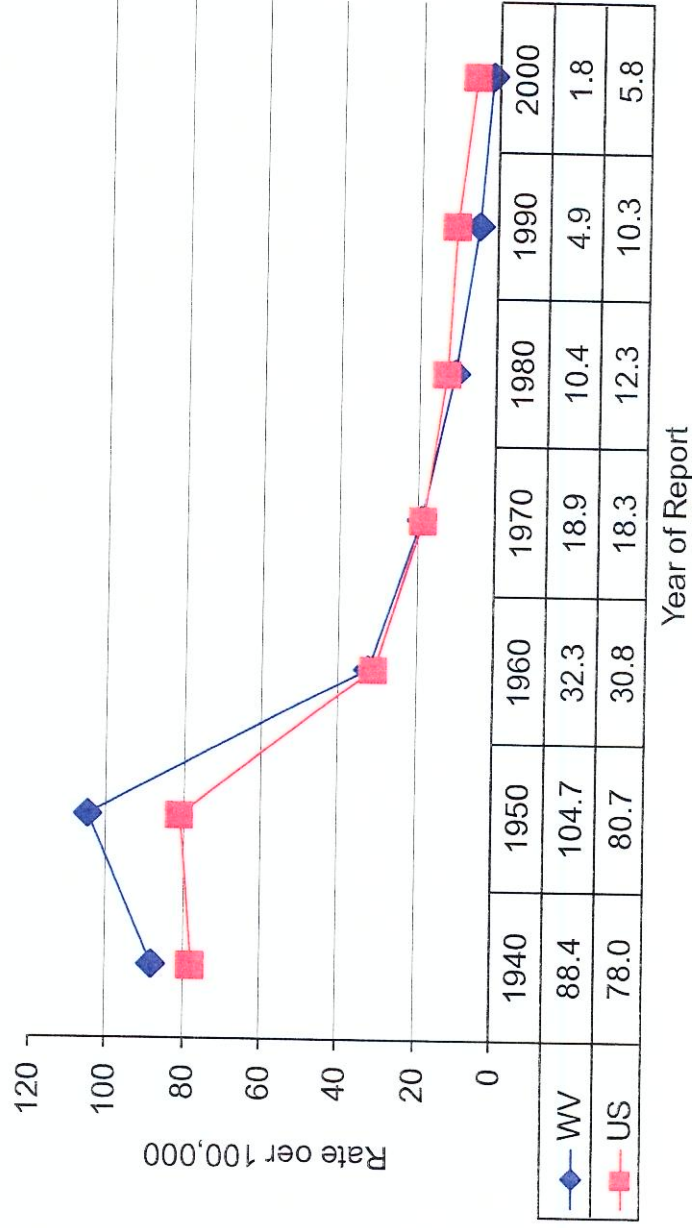
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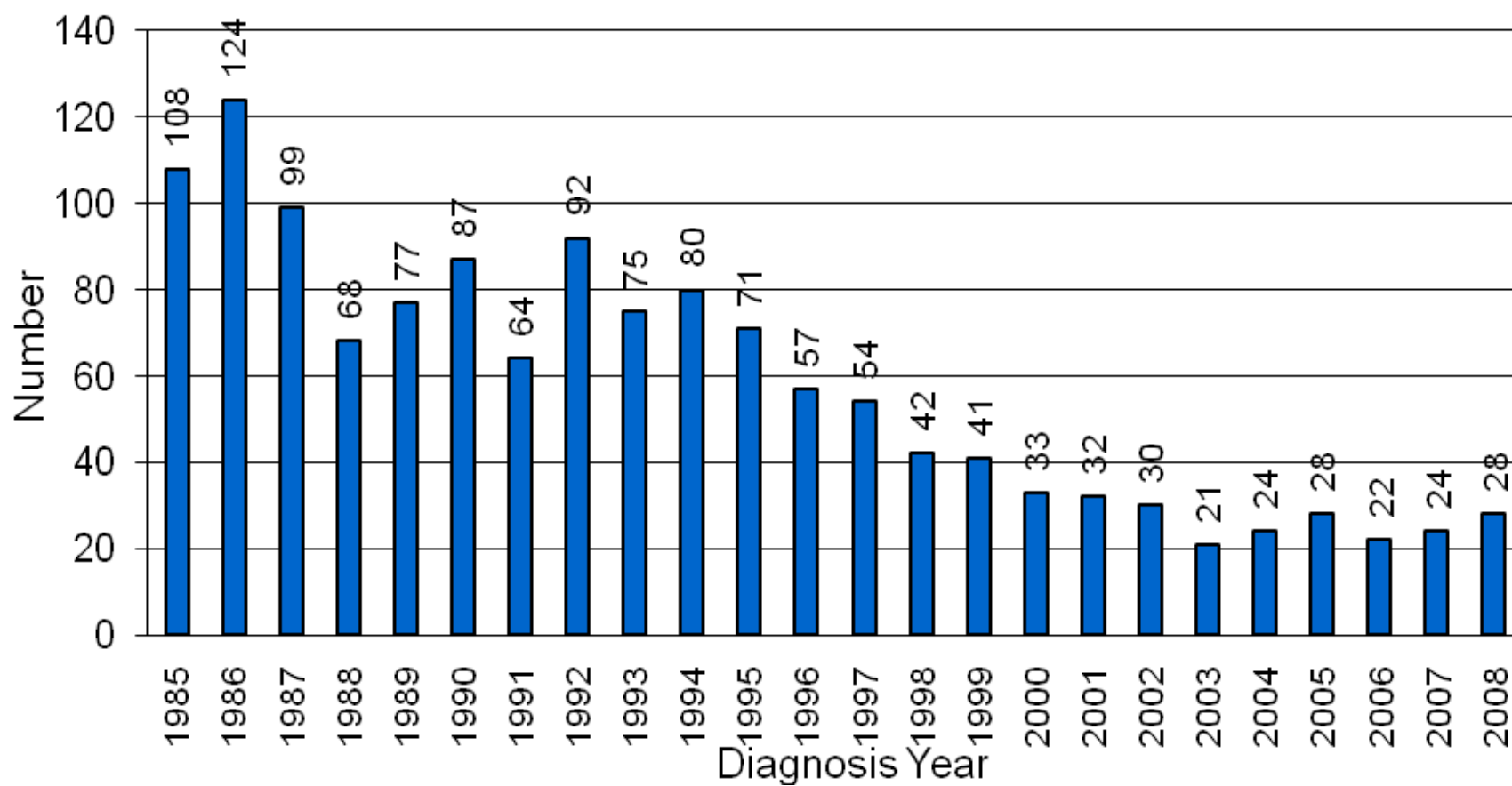
TB Advisory Committee

1. Kelli Caseman American Lung Association
2. Dr. Edward Dugan WV School of Osteopathic Medicine
3. Dr. Melanie Fisher West Virginia University
4. Dr. Dominic Gaziano TB Control Program Medical Director
5. Dr. Loretta Haddy State Epidemiologist
6. Dr. D.E. Hendricks Clinician, Eastern Panhandle
7. Rebecca King Department of Education
8. Judy McGill Public Health Nursing and Administration
9. Carmen Priddy TB Control Program Manager
10. Dr. Cathy Slemph State Health Officer
11. Ann Spaner Counsel – BPH
12. Dr. Harry Tweel Cabell-Huntington Health Department
13. Carolyn Winkler TB Control Surveillance Nurse

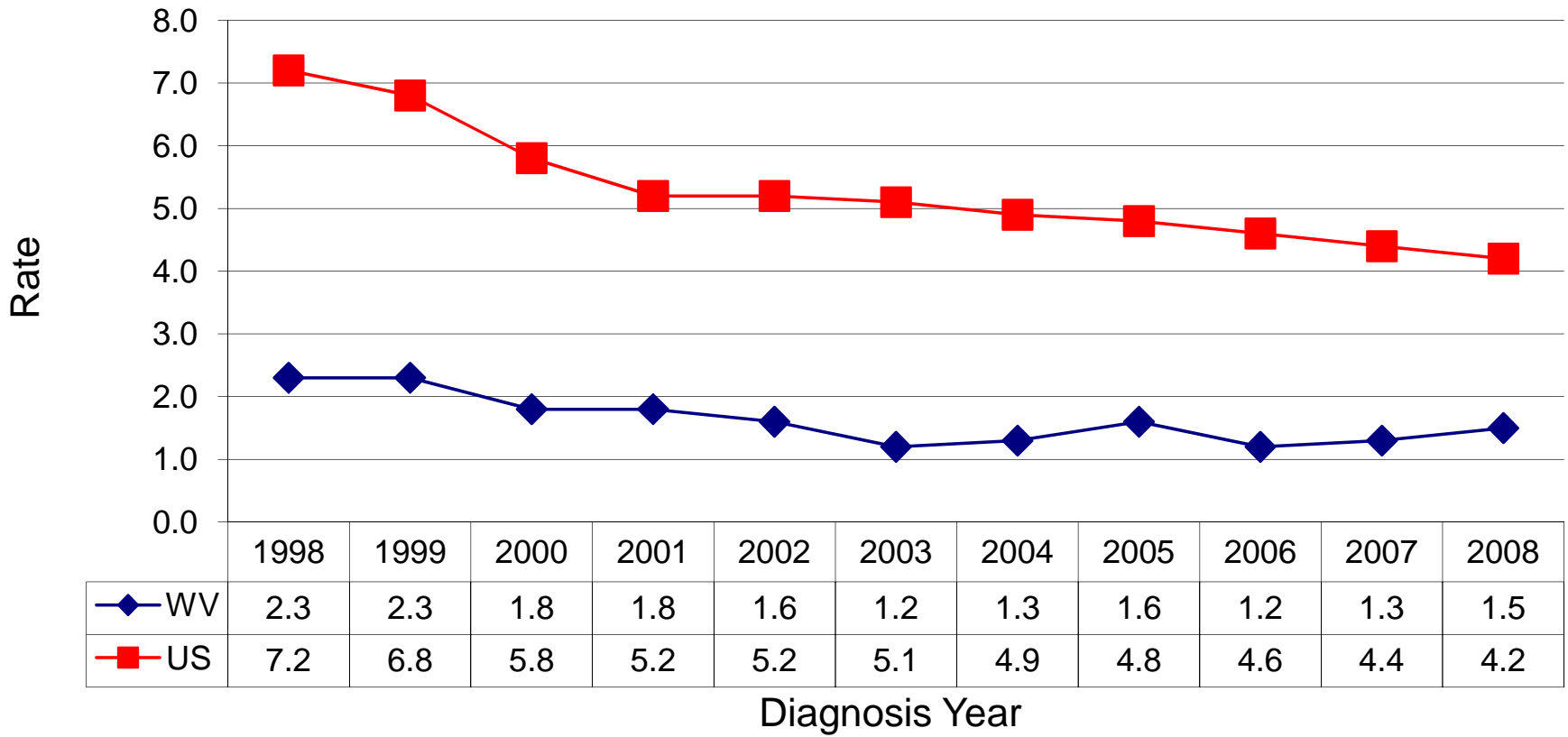
Tuberculosis Incidence Rates by Year of Report
 West Virginia and United States Decennial Rates, 1940-2000



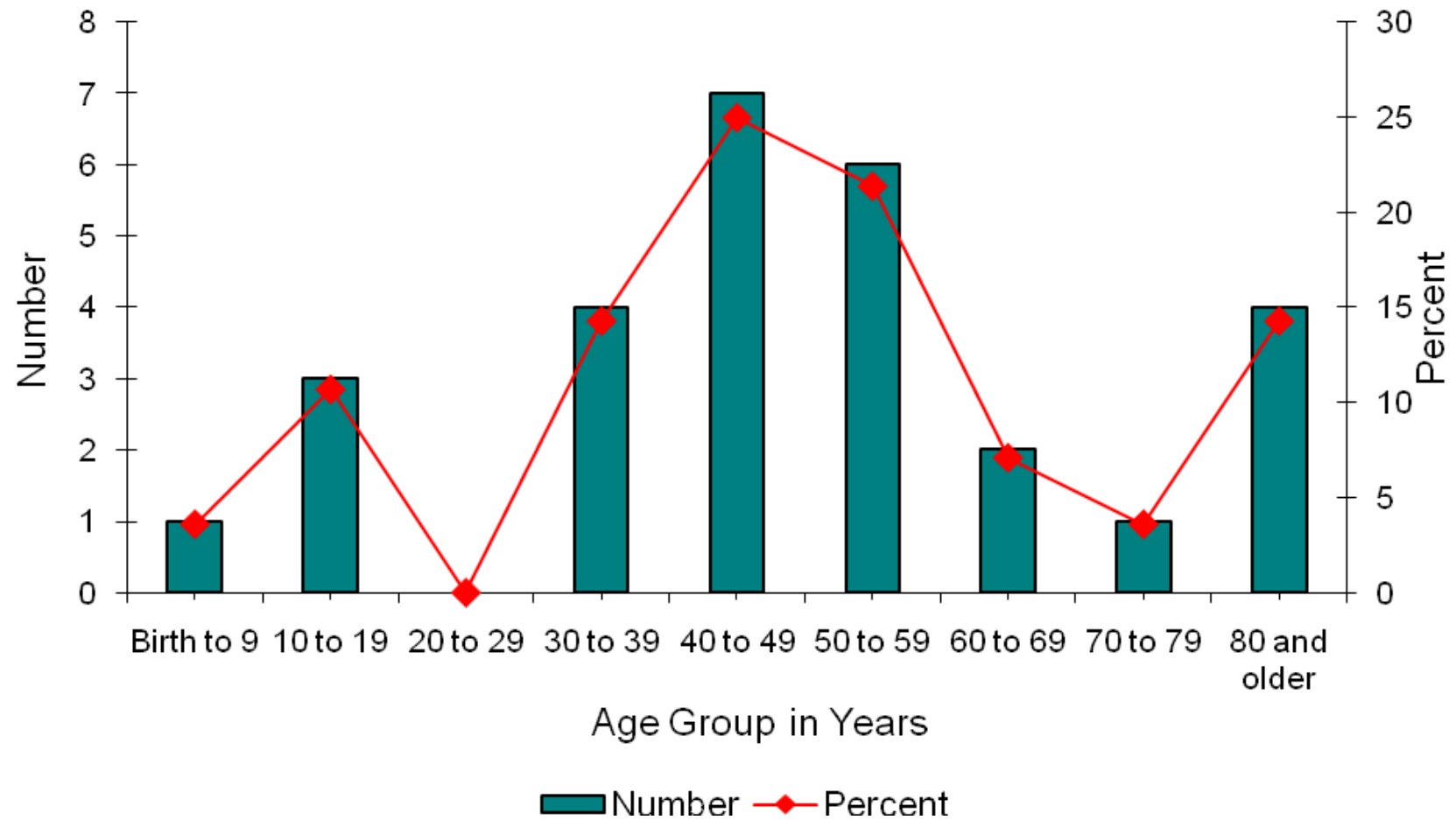
Number of Newly Diagnosed TB Cases in West Virginia



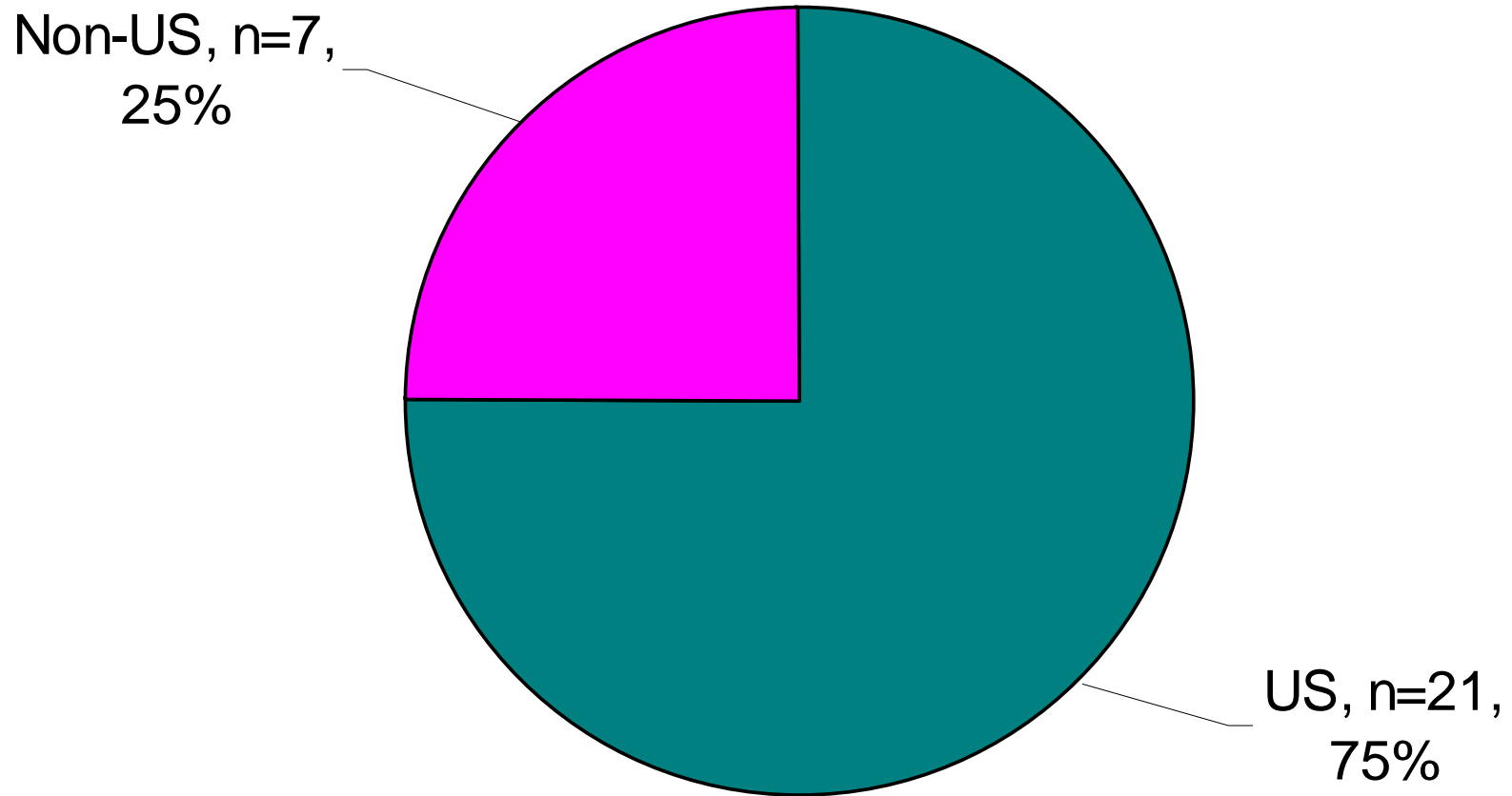
TB Incidence Rates per 100,000 by Diagnosis Year



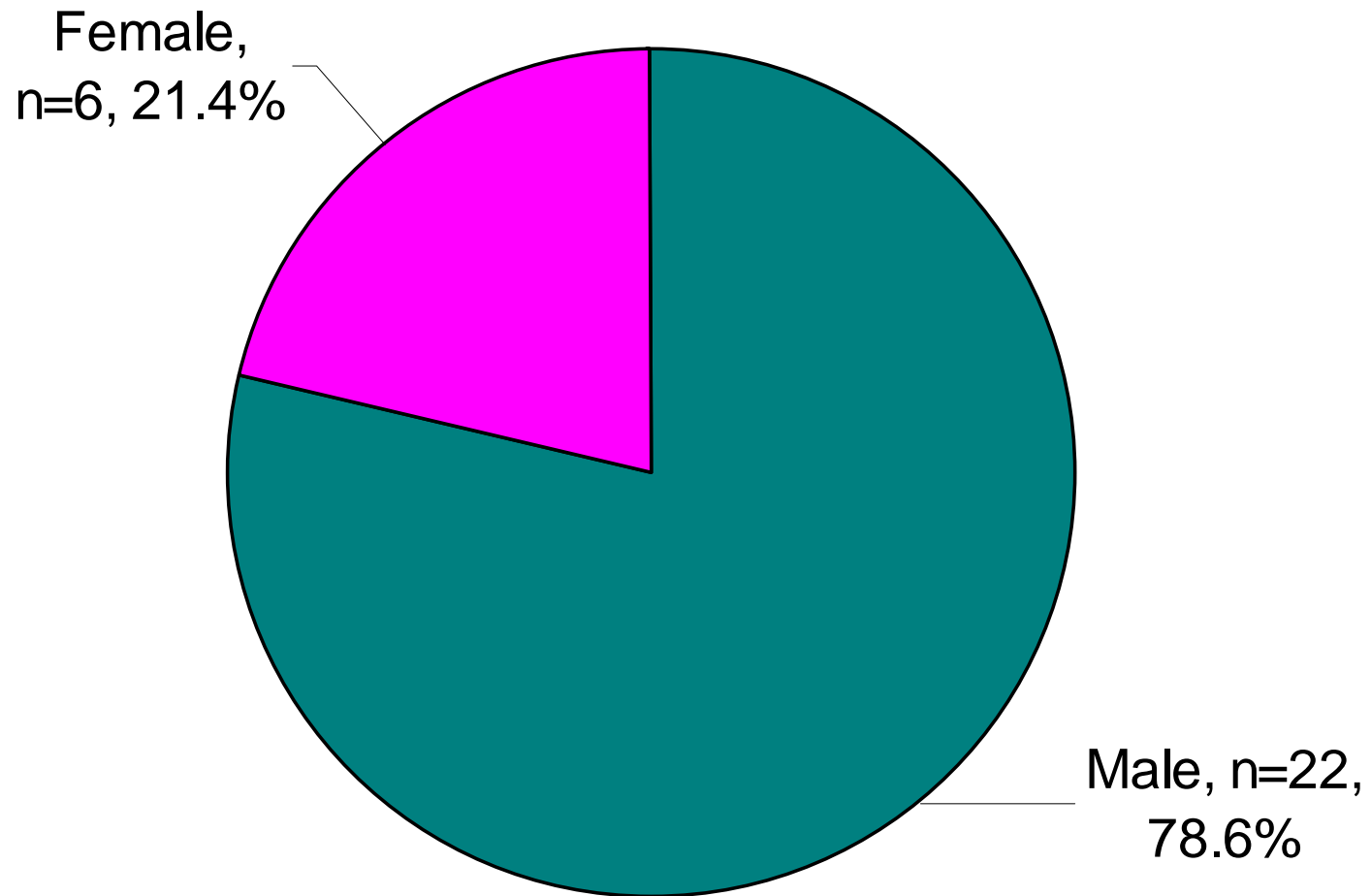
2008 West Virginia TB Cases: Age Group



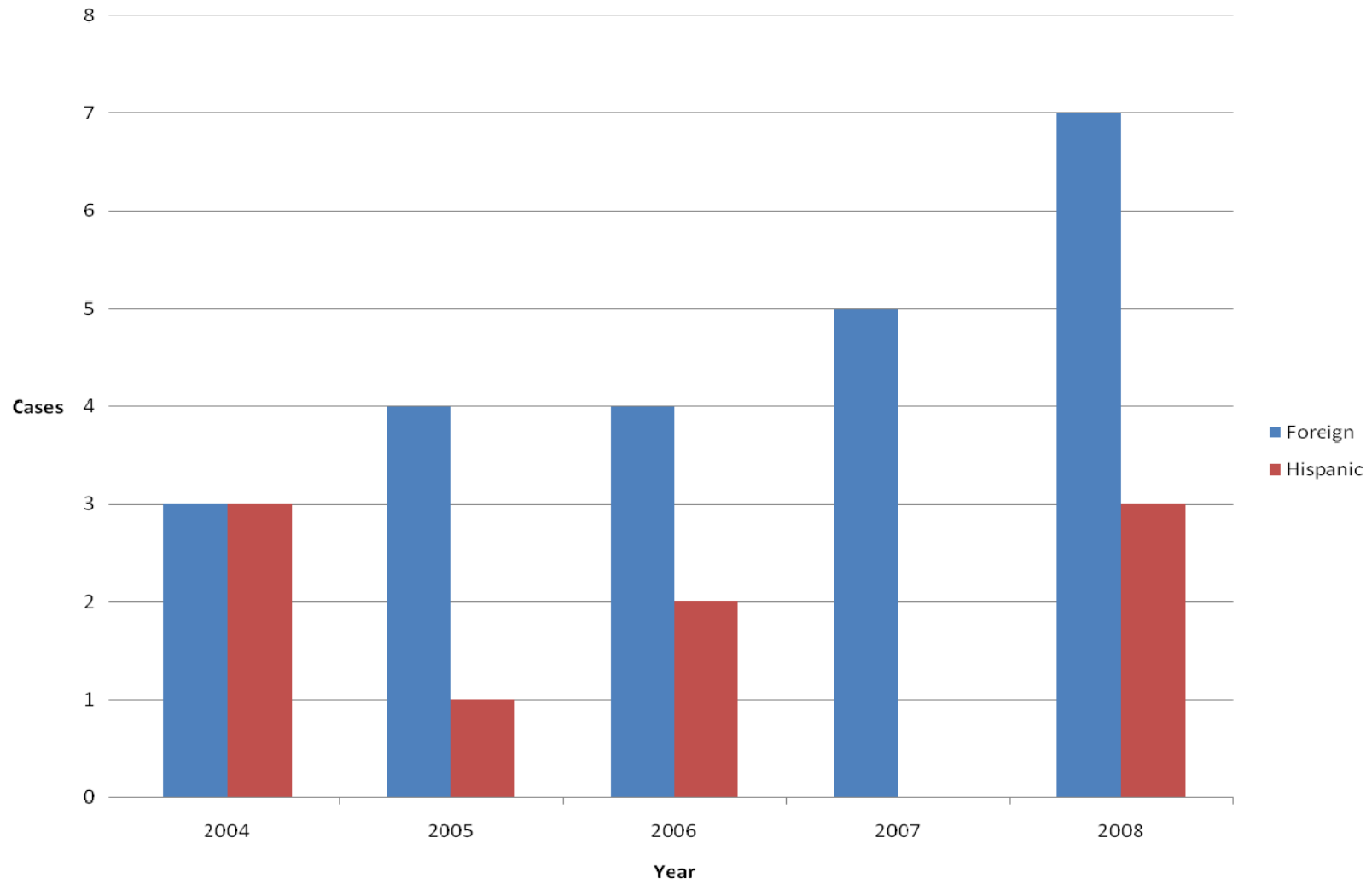
2008 West Virginia TB Cases by Country of Origin



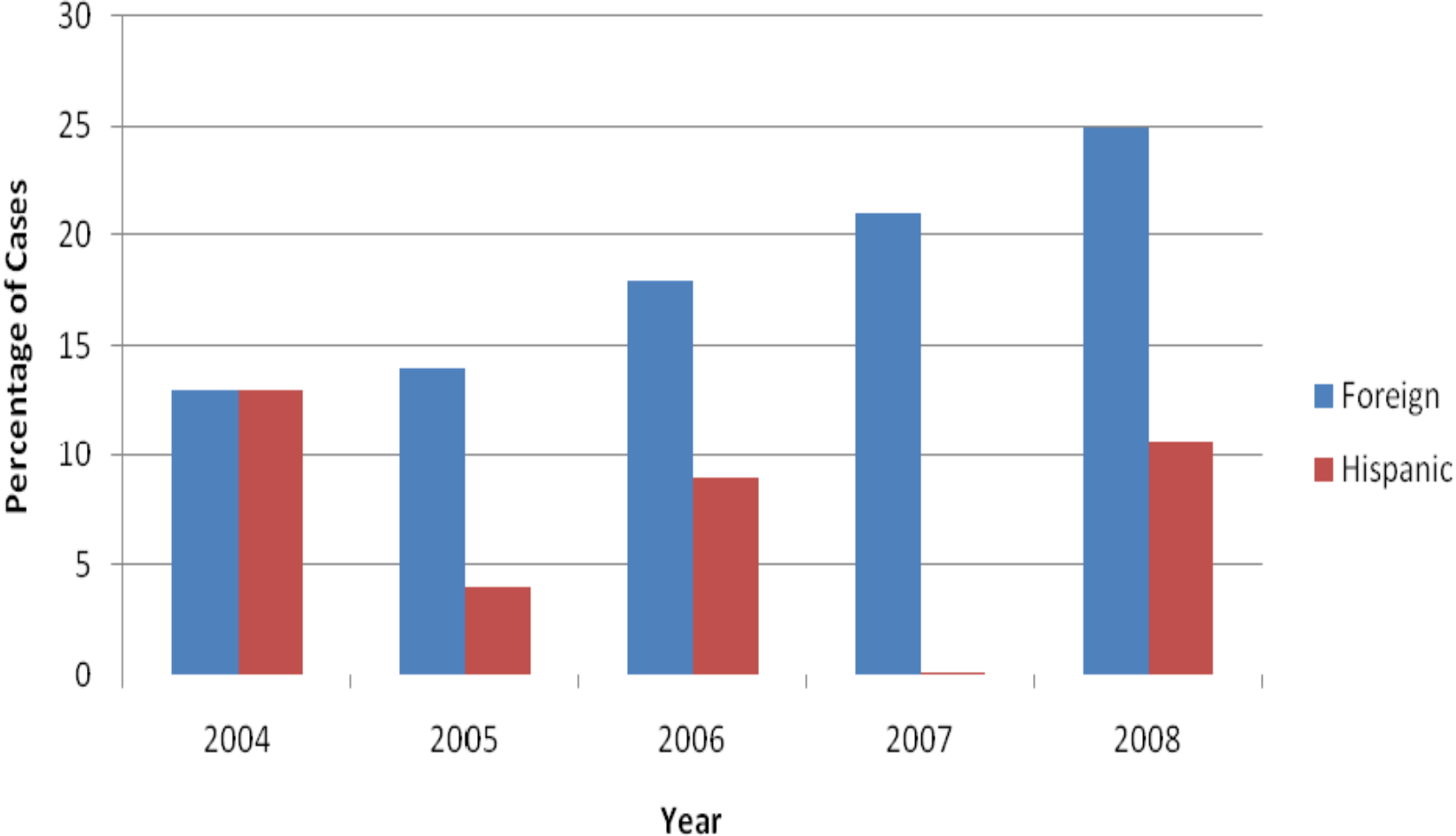
2008 West Virginia TB Cases by Sex



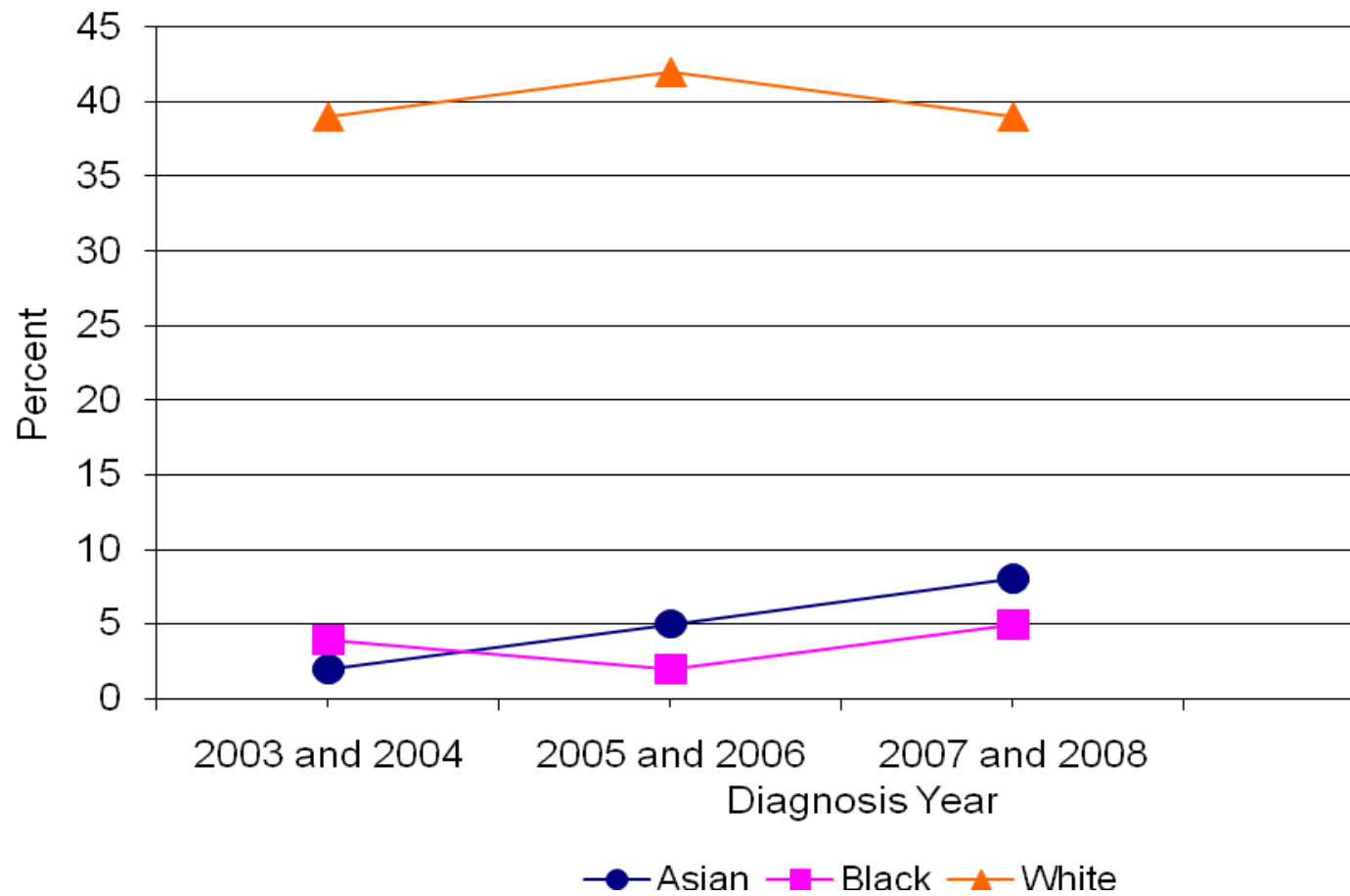
Number of Cases: Foreign-Born Vs. Hispanic



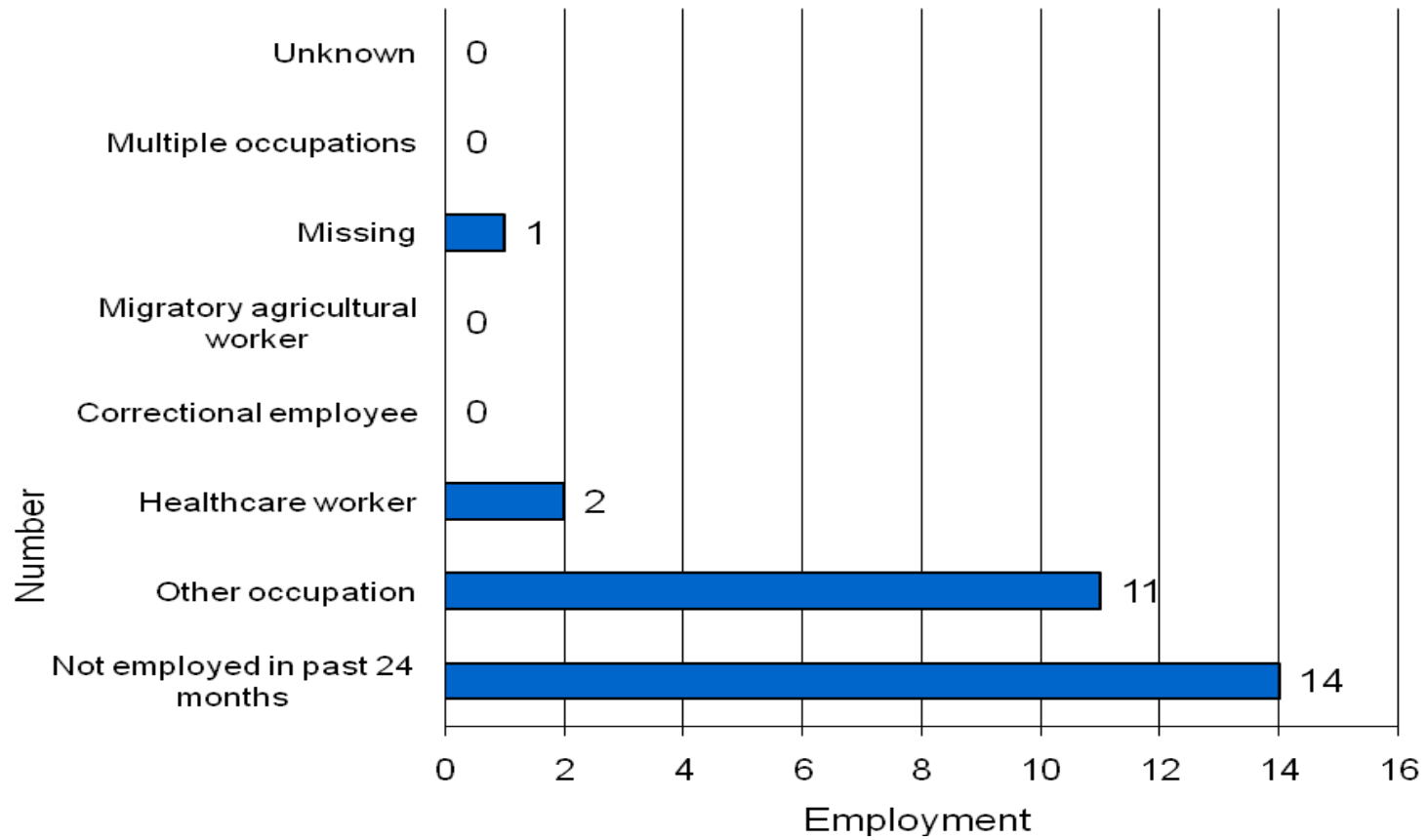
Percentage of Cases: Foreign-Born Vs. Hispanic



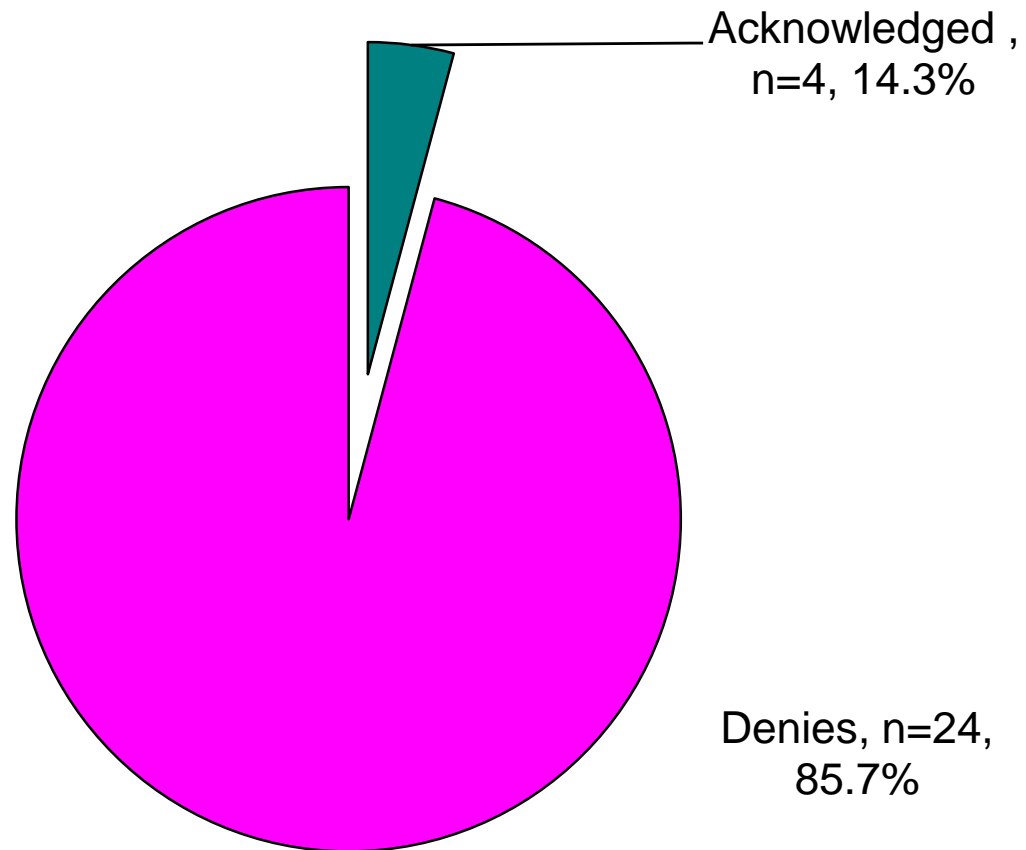
Race of West Virginia TB Cases by Diagnosis Year



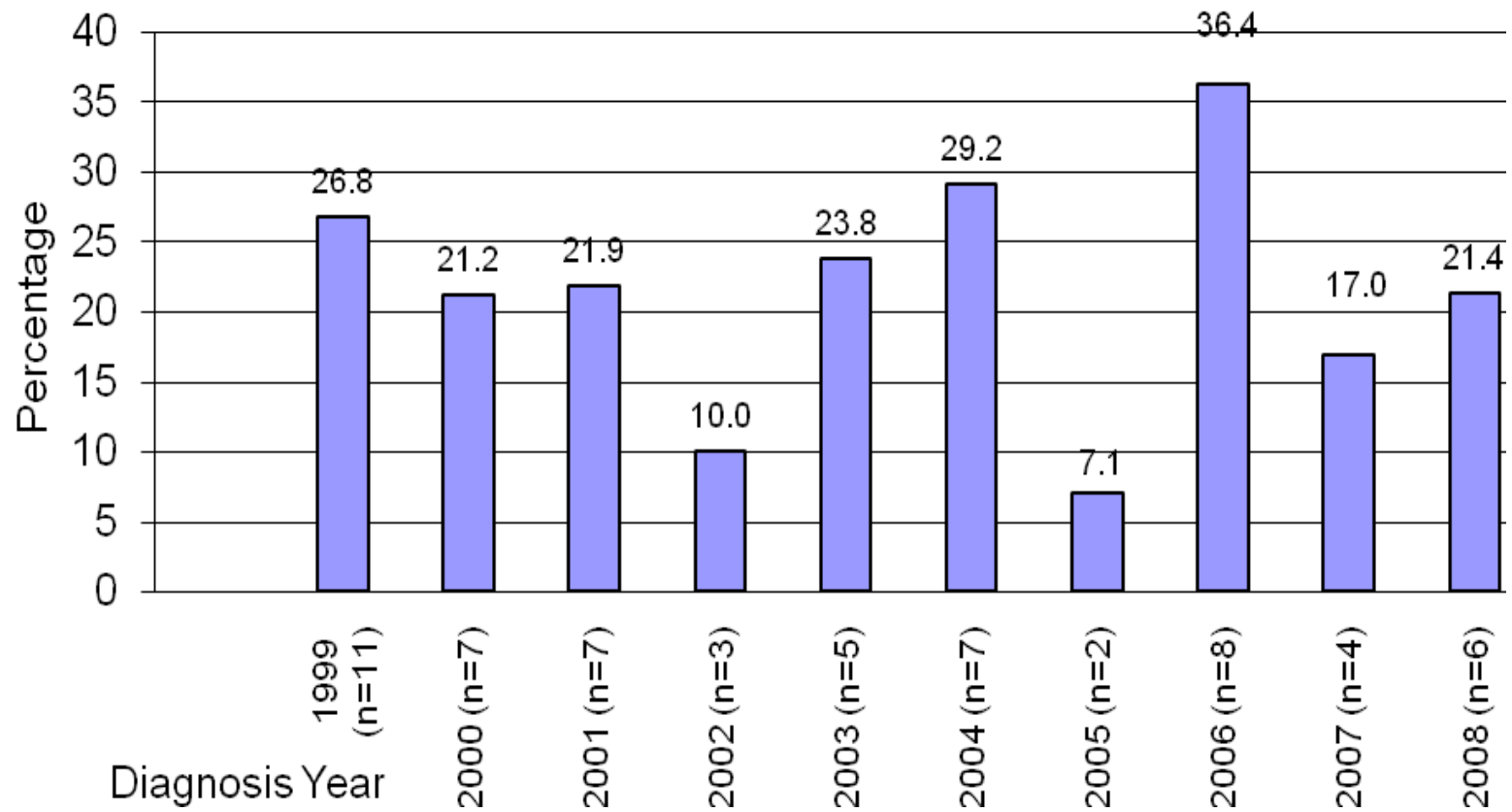
2008 West Virginia TB Cases: Employment at Diagnosis



2008 West Virginia TB Cases: Non-Injected Drug Use in Past Year



Percentage of West Virginia TB Cases with Reported History of Alcohol Abuse in Past Year



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SURVEILLANCE DEMOGRAPHICS REPORT

For the Month-Year Counted

BEGINNING 01/2008 AND ENDING 12/2008

Reporting Area: WEST VIRGINIA BUREAU OF PUBLIC HEALTH

Site Name: All Sites

County Name: All Counties

ETHNICITY

Classification	Number of Records	Percent
Hispanic or Latino	3	10.71 %
Not Hispanic or Latino	25	89.29 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

RACE (Calculated)

Classification	Number of Records	Percent
Single Race:		
American Indian or Alaska Native	0	0.00 %
Asian	3	10.71 %
Black or African American	3	10.71 %
Native Hawaiian or Other Pacific Islander	0	0.00 %
White	22	78.57 %
Multiple Races	0	0.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

SEX

Classification	Number of Records	Percent
Male	22	78.57 %
Female	6	21.43 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

COUNTRY OF ORIGIN

Classification	Number of Records	Percent
U.S.	21	75.00 %
Non-U.S.	7	25.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

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SURVEILLANCE DEMOGRAPHICS REPORT

For the Month-Year Counted

BEGINNING 01/2008 AND ENDING 12/2008

Reporting Area: WEST VIRGINIA BUREAU OF PUBLIC HEALTH

Site Name: All Sites

County Name: All Counties

5 YEAR AGE GROUP (Calculated)

Classification	Number of Records	Percent
0 - 4	1	3.57 %
5 - 9	0	0.00 %
10 - 14	0	0.00 %
15 - 19	3	10.71 %
20 - 24	0	0.00 %
25 - 29	0	0.00 %
30 - 34	0	0.00 %
35 - 39	4	14.29 %
40 - 44	2	7.14 %
45 - 49	5	17.86 %
50 - 54	3	10.71 %
55 - 59	3	10.71 %
60 - 64	1	3.57 %
65 - 69	1	3.57 %
70 - 74	1	3.57 %
75 - 79	0	0.00 %
80 - 84	1	3.57 %
85 and Older	3	10.71 %
Unknown	0	0.00 %
Total	28	100.00 %

10 YEAR AGE GROUP (Calculated)

Classification	Number of Records	Percent
0 - 9	1	3.57 %
10 - 19	3	10.71 %
20 - 29	0	0.00 %
30 - 39	4	14.29 %
40 - 49	7	25.00 %
50 - 59	6	21.43 %
60 - 69	2	7.14 %
70 - 79	1	3.57 %
80 and Older	4	14.29 %
Unknown	0	0.00 %
Total	28	100.00 %

HOMELESS WITHIN PAST YEAR

Classification	Number of Records	Percent
No	26	92.86 %
Yes	2	7.14 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

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SURVEILLANCE DEMOGRAPHICS REPORT

For the Month-Year Counted

BEGINNING 01/2008 AND ENDING 12/2008

Reporting Area: WEST VIRGINIA BUREAU OF PUBLIC HEALTH

Site Name: All Sites

County Name: All Counties

RESIDENT OF CORRECTIONAL FACILITY AT TIME OF DIAGNOSIS

Classification	Number of Records	Percent
No	28	100.00 %
Yes	0	0.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

RESIDENT OF LONG-TERM CARE FACILITY AT TIME OF DIAGNOSIS

Classification	Number of Records	Percent
No	26	92.86 %
Yes	2	7.14 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

INJECTED DRUG USE WITHIN PAST YEAR

Classification	Number of Records	Percent
No	28	100.00 %
Yes	0	0.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

NON-INJECTED DRUG USE WITHIN PAST YEAR

Classification	Number of Records	Percent
No	24	85.71 %
Yes	4	14.29 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month-Year Counted

BEGINNING 01/2008 AND ENDING 12/2008

Reporting Area: WEST VIRGINIA BUREAU OF PUBLIC HEALTH

Site Name: All Sites

County Name: All Counties

EXCESS ALCOHOL USE WITHIN PAST YEAR

Classification	Number of Records	Percent
No	22	78.57 %
Yes	6	21.43 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

OCCUPATION (Calculated)

Classification	Number of Records	Percent
Health Care Worker	2	7.14 %
Correctional Employee	0	0.00 %
Migratory Agricultural Worker	0	0.00 %
Other Occupation	11	39.29 %
Multiple Occupations	0	0.00 %
Not Employed Within Past 24 Months	15	53.57 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

*** Confidential Information ***
 SURVEILLANCE CLINICAL DATA
 For the Month-Year Counted
 BEGINNING 01/2008 AND ENDING 12/2008

Reporting Area: WEST VIRGINIA BUREAU OF PUBLIC HEALTH
 Site Name: All Sites

County Name: All Counties

STATUS AT DIAGNOSIS OF TB

Classification	Number of Records	Percent
Alive	26	92.86 %
Dead	2	7.14 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

PREVIOUS DIAGNOSIS OF TB

Classification	Number of Records	Percent
No	26	92.86 %
Yes	2	7.14 %
Unknown	0	0 %
Missing	0	0 %
Total	28	100.00 %

SITE OF DISEASE (Calculated)

Classification	Number of Records	Percent
Pulmonary	24	85.71 %
Extrapulmonary	2	7.14 %
Both	2	7.14 %
Site Not Stated	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

SPUTUM SMEAR

Classification	Number of Records	Percent
Positive	10	35.71 %
Negative	9	32.14 %
Not Done	8	28.57 %
Unknown	1	3.57 %
Missing	0	0.00 %
Total	28	100.00 %

SPUTUM CULTURE

Classification	Number of Records	Percent
Positive	16	57.14 %
Negative	3	10.71 %
Not Done	8	28.57 %
Unknown	1	3.57 %
Missing	0	0.00 %
Total	28	100.00 %

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SURVEILLANCE CLINICAL DATA

For the Month-Year Counted

BEGINNING 01/2008 AND ENDING 12/2008

Reporting Area: WEST VIRGINIA BUREAU OF PUBLIC HEALTH

Site Name: All Sites

County Name: All Counties

MICROSCOPIC EXAM OF TISSUE AND OTHER BODY FLUIDS

Classification	Number of Records	Percent
Positive	4	14.29 %
Negative	11	39.29 %
Not Done	13	46.43 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

CULTURE OF TISSUE AND OTHER BODY FLUIDS

Classification	Number of Records	Percent
Positive	11	39.29 %
Negative	3	10.71 %
Not Done	14	50.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

CHEST X-RAY

Classification	Number of Records	Percent
Normal	1	3.57 %
Abnormal	26	92.86 %
Not Done	0	0.00 %
Unknown	1	3.57 %
Missing	0	0.00 %
Total	28	100.00 %

TUBERCULIN (MANTOUX) SKIN TEST AT DIAGNOSIS

Classification	Number of Records	Percent
Positive	9	32.14 %
Negative	9	32.14 %
Not Done	10	35.71 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	28	100.00 %

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SURVEILLANCE CLINICAL DATA

For the Month-Year Counted

BEGINNING 01/2008 AND ENDING 12/2008

Reporting Area: WEST VIRGINIA, BUREAU OF PUBLIC HEALTH

Site Name: All Sites

County Name: All Counties

HIV STATUS

Classification	Number of Records	Percent
Negative	10	35.71 %
Positive	1	3.57 %
Indeterminate	0	0.00 %
Refused	6	21.43 %
Not Offered	6	21.43 %
Test Done, Results Unknown	3	10.71 %
Unknown	2	7.14 %
Missing	0	0.00 %
Total	28	100.00 %

INITIAL DRUG REGIMEN (Calculated)

Classification	Number of Records	Percent
No Drugs	2	7.14 %
One Drug	0	0.00 %
INH, RIF, PZA, and EMB or SM	24	85.71 %
Isoniazid, Rifampin and Pyrazinamide	1	3.57 %
Isoniazid and Rifampin	0	0.00 %
Any other multiple drug combination	1	3.57 %
Unknown	0	0.00 %
Total	28	100.00 %

STATISTICAL INFORMATION
TUBERCULOSIS IN WEST VIRGINIA AND THE UNITED STATES

<u>YEAR</u>	<u>CASE RATE – WV</u>	<u>CASE RATE –USA</u>
1940	88.4	78.0
1950	107.7	80.7
1960	32.3	30.7
1970	18.9	18.1
1980	10.4	12.2
1990	4.9	10.3
2000	1.8	5.8

NEWLY REPORTED VERIFIED CASES OF TUBERCULOSIS IN WEST VIRGINIA

County	Population 2000	2002	2003	2004	2005	2006	2007	2008	2008 I-Rate
Barbour	15,557	0	0	0	0	2	0	1	6.43
Berkeley	75,905	3	2	2	1	0	3	5	6.59
Boone	25,535	1	0	0	1	0	0	0	0.00
Braxton	14,702	0	1	0	0	0	0	0	0.00
Brooke	25,447	0	0	0	0	1	0	1	3.93
Cabell	96,784	4	2	2	2	1	0	4	4.13
Calhoun	7,582	0	0	1	0	0	0	0	0.00
Clay	10,330	0	0	0	0	1	0	0	0.00
Doddridge	7,403	0	0	0	0	0	0	0	0.00
Fayette	47,579	0	2	1	1	0	2	1	2.10
Gilmer	7,160	0	0	0	0	0	0	0	0.00
Grant	11,299	0	0	0	0	0	0	0	0.00
Greenbrier	34,453	0	0	1	1	1	1	0	0.00
Hampshire	20,203	1	0	0	0	0	0	0	0.00
Hancock	32,667	1	0	0	0	1	0	0	0.00
Hardy	12,669	0	0	0	0	0	0	0	0.00
Harrison	68,652	0	0	2	2	0	1	0	0.00
Jackson	28,000	0	0	0	0	0	0	0	0.00
Jefferson	42,190	0	1	2	3	2	0	1	2.37
Kanawha	200,073	7	3	3	3	0	2	2	1.00
Lewis	16,919	0	0	0	0	0	1	0	0.00
Lincoln	22,108	0	0	0	0	0	0	0	0.00
Logan	37,710	1	1	2	0	1	0	0	0.00
Marion	56,598	0	0	0	1	1	0	0	0.00
Marshall	35,519	0	0	0	1	0	0	0	0.00
Mason	25,957	1	0	0	0	0	0	0	0.00
McDowell	27,329	1	0	3	0	0	2	1	3.66
Mercer	62,980	1	0	0	5	0	0	0	0.00
Mineral	27,078	0	1	2	0	0	0	0	0.00
Mingo	28,253	3	1	1	2	0	2	0	0.00
Monongalia	81,866	0	0	0	1	3	2	1	1.22
Monroe	14,583	0	0	0	0	1	0	0	0.00
Morgan	14,943	0	0	0	0	0	1	1	6.69
Nicholas	26,562	0	0	0	0	0	0	0	0.00
Ohio	47,427	1	1	0	0	1	0	1	2.11
Pendleton	8,196	1	0	0	0	1	0	0	0.00
Pleasants	7,514	0	0	0	0	0	1	0	0.00

County	Population 2000	2002	2003	2004	2005	2006	2007	2008	2008 I-Rate
Pocahontas	9,131	0	0	0	0	0	0	1	10.95
Preston	29,334	0	0	0	0	0	0	0	0.00
Putnam	51,589	0	1	0	1	1	1	1	1.94
Raleigh	79,220	0	1	0	0	1	1	4	5.05
Randolph	28,262	1	1	0	0	0	0	0	0.00
Ritchie	10,343	0	0	0	0	1	0	0	0.00
Roane	15,446	0	1	0	0	1	0	0	0.00
Summers	12,999	0	0	0	0	0	0	0	0.00
Taylor	16,089	0	0	0	0	0	0	0	0.00
Tucker	7,321	0	0	0	0	0	1	0	0.00
Tyler	9,592	0	0	0	0	0	0	0	0.00
Upshur	23,404	0	0	0	1	0	0	0	0.00
Wayne	42,903	2	1	1	2	0	1	0	0.00
Webster	9,719	0	0	0	0	0	0	0	0.00
Wetzel	17,693	0	0	0	0	0	0	0	0.00
Wirt	5,873	0	0	0	0	0	0	0	0.00
Wood	87,986	0	0	1	0	0	2	2	2.27
Wyoming	25,708	1	1	0	0	1	0	1	3.89
Total	1,810,344	30	21	24	28	22	24	28	1.55
I-Rate for WV		1.7	1.2	1.3	1.5	1.2	1.3	1.5	
Counties with TB		16	16	14	16	18	16	15	

Updated 1-07-09

Counties in blue have had no TB x 8 yrs.

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

County	Population	2004 LTBI	2004 Rate	2005 LTBI	2005 Rate	2006 LTBI	2006 Rate	2007 LTBI	2007 Rate	2008 LTBI	2008 Rate
Barbour	15,557	3	19.3	5	32.1	8	51.4	10	64.3	3	19.3
Berkeley	75,905	84	110.6	39	51.4	76	100.2	17	22.3	29	38.2
Boone	25,535	0	0	2	7.8	0	0	0	0	0	0
Braxton	14,702	3	20.4	2	13.6	1	6.8	6	40.8	0	0
Brooke	25,447	1	3.9	1	3.9	2	7.9	2	7.9	1	3.9
Cabell	96,784	48	49.6	25	25.8	32	33.1	47	48.6	48	49.6
Calhoun	7,582	0	0	0	0	0	0	2	26.4	1	13.2
Clay	10,330	3	29	0	0	0	0	0	0	1	9.7
Doddridge	7,403	5	67.5	2	27	3	40.5	3	40.5	5	67.54
Fayette	47,579	0	0	2	4.2	1	2.1	6	12.6	1	2.1
Gilmer	7,160	0	0	0	0	1	14	0	0	0	0
Grant	11,299	10	88.5	1	8.9	5	44.3	4	35.4	13	115.1
Greenbrier	34,453	24	69.7	4	11.6	3	8.7	5	14.5	24	69.7
Hampshire	20,203	5	24.7	5	24.7	13	64.3	4	19.8	4	19.8
Hancock	32,667	0	0	1	3.1	2	6.1	1	3.1	0	0
Hardy	12,669	11	86.8	4	31.6	9	71	7	55.3	6	47.4
Harrison	68,652	23	33.5	16	23.3	36	52.4	37	53.9	16	23.3
Jackson	28,000	5	17.9	3	10.7	3	10.7	9	32.1	3	10.7
Jefferson	42,190	47	111.4	69	163.5	85	201.5	88	208.6	37	87.7
Kanawha	200,073	56	28	40	20	22	11	9	4.5	31	15.5
Lewis	16,919	3	17.7	4	23.6	4	23.6	1	5.9		
Lincoln	22,108	1	4.5	0	0	0	0	0	0	0	0
Logan	37,710	17	45.1	8	21.2	6	15.9	7	18.6	9	23.9
Marion	56,598	5	8.8	1	1.8	1	1.8	2	3.5	1	1.8
Marshall	35,519	5	14.1	1	2.8	6	16.9	4	11.3	0	0
Mason	25,957	3	11.6	3	11.6	2	7.7	4	11.1	0	0
McDowell	27,329	13	47.6	0	0	1	3.7	2	7.3	1	3.7
Mercer	62,980	3	4.8	0	0	10	15.9	21	33.3	13	20.6
Mineral	27,078	81	299.1	2	7.4	0	0	0	0	1	3.7
Mingo	28,253	4	14.2	3	106	2	7.1	5	17.7	1	3.5
Monongalia	81,866	28	34.2	6	7.3	8	9.8	10	12.2	7	8.6
Monroe	14,583	1	6.9	4	27.4	9	61.7	5	1.4	5	34.3
Morgan	14,943	21	140.5	3	20.1	1	6.7	0	0	1	6.7
Nicholas	26,562	0	0	3	11.3	1	3.8	0	0	1	3.8
Ohio	47,427	0	0	8	16.9	1	2.1	1	2.1	3	6.3
Pendleton	8,196	5	61	0	0	7	85.4	1	12.2	2	24.4
Pleasants	7,514	0	0	1	13.3	0	0	0	0	1	13.3
Pocahontas	9,131	1	11	1	11	22	240.9	17	186.2	6	65.7
Preston	29,334	2	6.8	0	0	0	0	0	0	1	3.4
Putnam	51,589	5	9.7	4	7.8	3	5.8	2	3.9	10	19.4
Raleigh	79,220	5	6.3	5	6.3	12	15.1	13	16.4	15	18.9
Randolph	28,262	11	38.9	9	31.8	10	35.4	5	17.7	2	7.1
Ritchie	10,343	1	9.7	0	0	0	0	0	0	0	0
Roane	15,446	3	19.4	0	0	3	19.4	1	6.5	1	6.5
Summers	12,999	3	23.1	3	23.1	1	7.7	4	30.8	0	0
Taylor	16,089	5	31.1	8	49.7	6	37.3	7	43.5	4	24.9
Tucker	7,321	0	0	0	0	3	41	6	82	0	0
Upshur	23,404	0	0	0	0	2	8.5	0	0		
Wayne	42,903	3	7	0	0	0	0	0	0	0	0
Webster	9,719	0	0	0	0	0	0	0	0	1	10.3
Wetzel-Tyl	17,693	1	5.7	1	5.7	0	0	0	0	0	0
Wirt	5,873	1	17	0	0	0	0	0	0	0	0
Wood	87,986	1	1.1	5	5.7	2	2.3	6	6.8	3	3.4
Wyoming	25,708	4	15.6	1	3.9	2	7.8	3	11.7	0	0
TOTALS	1,808,344	570	31.5	305	16.9	427	23.6	384	21.2	312	17.3

MONTHLY TUBERCULIN TESTING - 2008

Counties	CONTACTS			Targeted Testing (High Risk)									Administration			Total	Total	%
				Medical Risk			Population Risk									Tested	Positive	Positive
							Foreign Born			Other Pop. Risk								
Barbour	36	36	1	0	0	0	0	0	0	0	0	0	338	331	2	374	3	0.80
Berkeley	589	500	18	22	20	2	74	68	15	470	386	7	1500	1415	2	2655	44	1.09
Boone	11	4	0	18	8	0	0	0	0	0	0	0	8	8	0	37	0	0.00
Braxton	0	3	0	1	1	0	1	1	0	1	1	0	163	130	0	166	0	0.00
Brooke	7	7	0	1	0	0	1	1	0	180	180	1	98	101	0	287	1	0.34
Cabell	111	100	11	25	21	1	31	31	9	2762	2529	19	1253	1154	8	4182	48	1.14
Calhoun	0	0	0	0	0	0	0	0	0	72	67	1	1	1	0	73	1	1.36
Clay	0	0	0	0	0	0	0	0	0	0	0	0	97	81	1	97	1	1.03
Doddridge	0	0	0	0	0	0	0	0	0	0	0	0	316	299	5	316	5	1.58
Fayette	0	0	0	0	0	0	1	1	0	3	3	1	442	412	0	446	1	0.22
Gilmer	0	0	0	0	0	0	0	0	0	0	0	0	52	47	0	52	0	0.00
Grant	2	2	0	1	1	0	0	0	0	40	32	0	378	350	13	421	13	3.08
Greenbrier	7	6	0	9	7	0	78	66	22	440	391	2	322	295	0	856	24	2.80
Hampshire	0	0	0	0	0	0	0	0	0	525	507	3	250	239	1	775	4	0.51
Hancock	12	11	0	23	23	0	1	1	0	1	1	0	476	472	0	513	0	0.00
Hardy	0	0	0	0	0	0	11	10	2	9	13	4	295	267	0	315	6	1.90
Harrison	0	0	0	0	0	0	9	9	5	1400	1357	11	0	0	0	1409	16	1.13
Jackson	7	5	0	99	98	0	13	12	1	74	65	2	870	847	0	1063	3	0.28
Jefferson	17	17	2	38	37	2	84	83	11	235	226	3	1107	999	19	1481	37	2.49
Kanawha	111	90	6	33	30	4	36	35	6	156	141	5	1834	1528	10	2170	31	1.42
Lewis																		
Lincoln	1	1	0	1	1	0	0	0	0	0	0	0	128	123	0	130	0	0.00
Logan	0	0	0	191	182	2	77	73	1	508	474	0	1139	1000	6	1915	9	0.46
Marion	0	0	0	9	4	0	1	1	0	164	143	1	779	758	0	953	1	0.10
Marshall	0	0	0	7	7	0	0	0	0	3009	1595	0	557	528	0	3573	0	0.00
Mason	0	0	0	24	24	0	4	4	0	95	94	0	424	404	0	547	0	0.00
McDowell	6	4	0	5	2	0	0	0	0	1	0	0	193	47	1	205	1	0.48
Mercer	0	0	0	0	0	0	1	1	1	6	6	1	488	479	11	495	13	2.62
Mineral	0	0	0	0	0	0	0	0	0	137	129	0	553	515	1	690	1	0.14
Mingo	0	0	0	10	8	0	3	2	0	225	159	0	328	211	1	566	1	0.17
Monongalia	8	8	0	14	14	0	31	29	6	159	155	0	181	161	1	393	7	1.78
Monroe	1	1	0	0	0	0	7	7	2	0	0	0	474	420	3	482	5	1.03

Page 2																		
Counties	CONTACTS			Targeted Testing (High Risk)									Administration			Total Tested	Total Positive	% Positive
				Medical Risk			Population Risk											
							Foreign Born			Other Pop. Risk								
Morgan	64	62	1	3	1	0	0	0	0	1	1	0	249	230	0	317	1	0.31
Nicholas	1	1	0	15	15	0	2	2	0	143	123	0	328	313	1	489	1	0.20
Ohio	13	11	0	1	0	0	1	1	1	48	32	1	244	240	1	307	3	0.97
Pendleton	7	7	0	0	0	0	2	2	1	57	53	1	46	44	0	112	2	1.78
Pleasants	7	6	1	11	9	0	1	1	0	23	22	0	245	208	0	287	1	0.34
Pocahontas	0	0	0	0	0	0	0	0	0	0	0	0	525	356	6	525	6	1.14
Preston	0	0	0	0	0	0	0	0	0	21	21	0	106	106	1	127	1	0.78
Putnam	19	19	10	0	0	0	0	0	0	0	0	0	226	215	0	245	10	4.08
Raleigh	20	20	2	23	21	1	10	10	10	3	3	1	384	381	1	440	15	3.40
Randolph	0	0	0	0	0	0	0	0	0	0	0	0	430	423	2	430	2	0.46
Ritchie	2	0	0	0	0	0	0	0	0	0	0	0	41	41	0	43	0	0.00
Roane	0	0	0	0	0	0	2	2	1	36	35	0	17	14	0	55	1	1.81
Summers	0	0	0	0	0	0	0	0	0	267	234	0	0	0	0	267	0	0.00
Taylor	1	1	0	84	78	0	12	9	2	275	261	1	466	479	1	838	4	0.47
Tucker	2	2	0	0	0	0	0	0	0	0	0	0	8	8	0	10	0	0.00
Upshur																		
Wayne	0	0	0	0	0	0	0	0	0	109	91	0	351	412	0	460	0	0.00
Webster	0	0	0	0	0	0	0	0	0	23	22	1	54	49	0	77	1	1.29
Wetzel/Tyler	0	0	0	0	0	0	0	0	0	0	0	0	388	366	0	388	0	0.00
Wirt	0	0	0	3	3	0	0	0	0	19	18	0	14	14	0	36	0	0.00
Wood	29	28	0	14	11	0	5	5	0	266	237	0	348	285	3	662	3	0.45
Wyoming	0	0	0	0	0	0	0	0	0	0	0	0	279	271	0	279	0	0.00
Totals	1,091	952	52	685	626	11	499	467	85	11,963	9,807	63	19,793	18,077	101	34,031	327	0.91

LTBIs by Age	
0 - 4	7
5 -- 14	37
15 -- 34	149
35 -- 99	135
Not stated	
Total	327

**TB DRUG RESISTANCE IN WV
1992 TO 2008**

<u>YEAR</u>	<u>MONO</u>	<u>MDR</u>	<u>2 OTHER</u>
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
1993	6	1 (TX 1987)	2
1992	2	0	5

**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>
2008	28	1.5		
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
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

STATISTICAL INFORMATION: TB IN WV AND THE USA
PAGE 2

<u>YEAR</u>	<u>#WV CASES</u>	<u>WV RATE</u>	<u>#USA CASES</u>	<u>USA RATE</u>
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
1976	263	14.4	32,105	14.7
1975	263	14.6	33,989	15.7