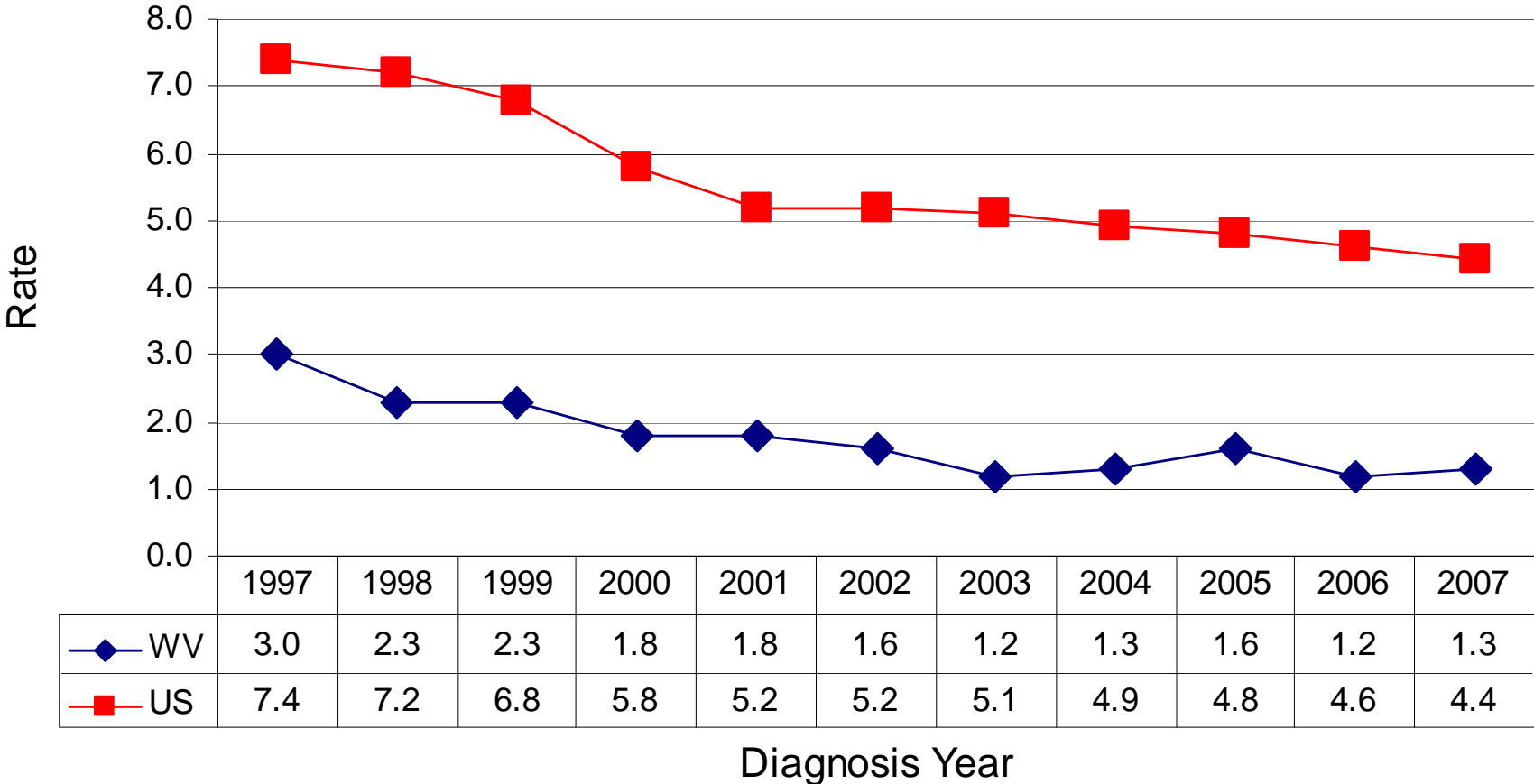
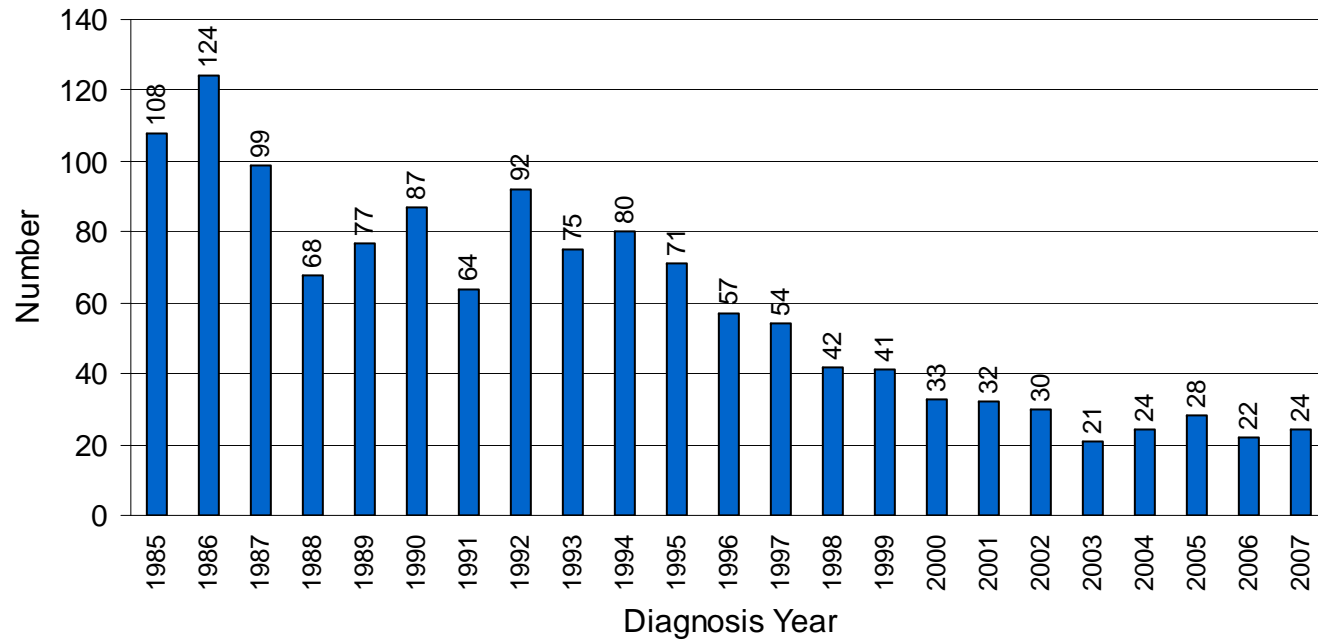


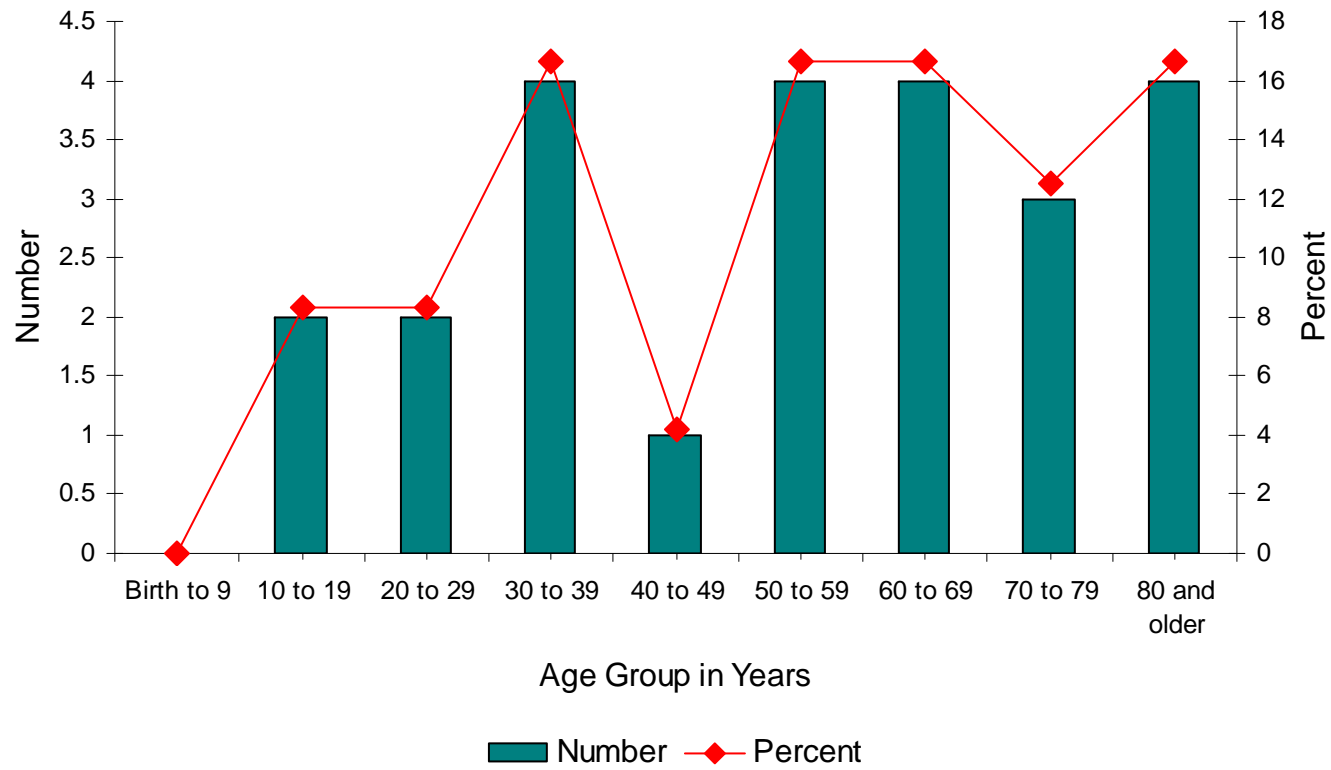
TB Incidence Rates per 100,000 by Diagnosis Year



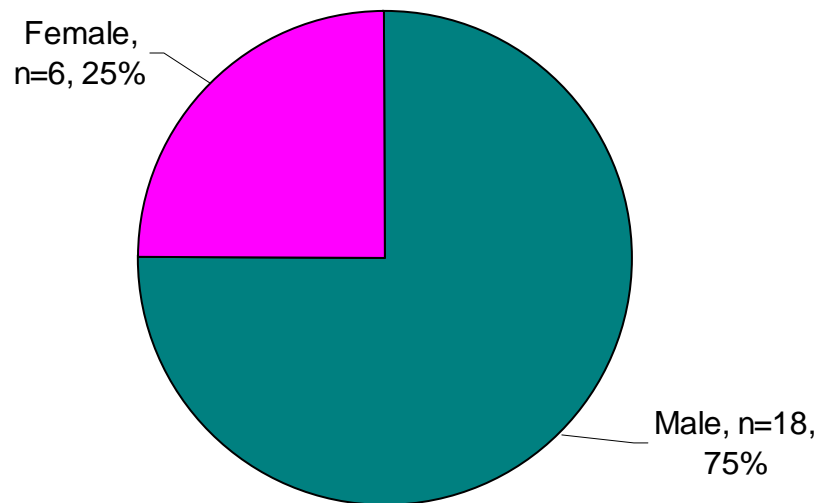
Number of Newly Diagnosed TB Cases in West Virginia



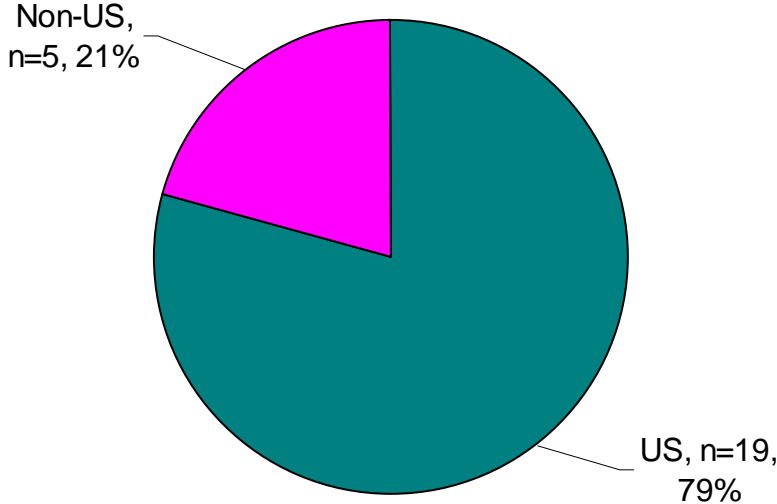
2007 West Virginia TB Cases: Age Group



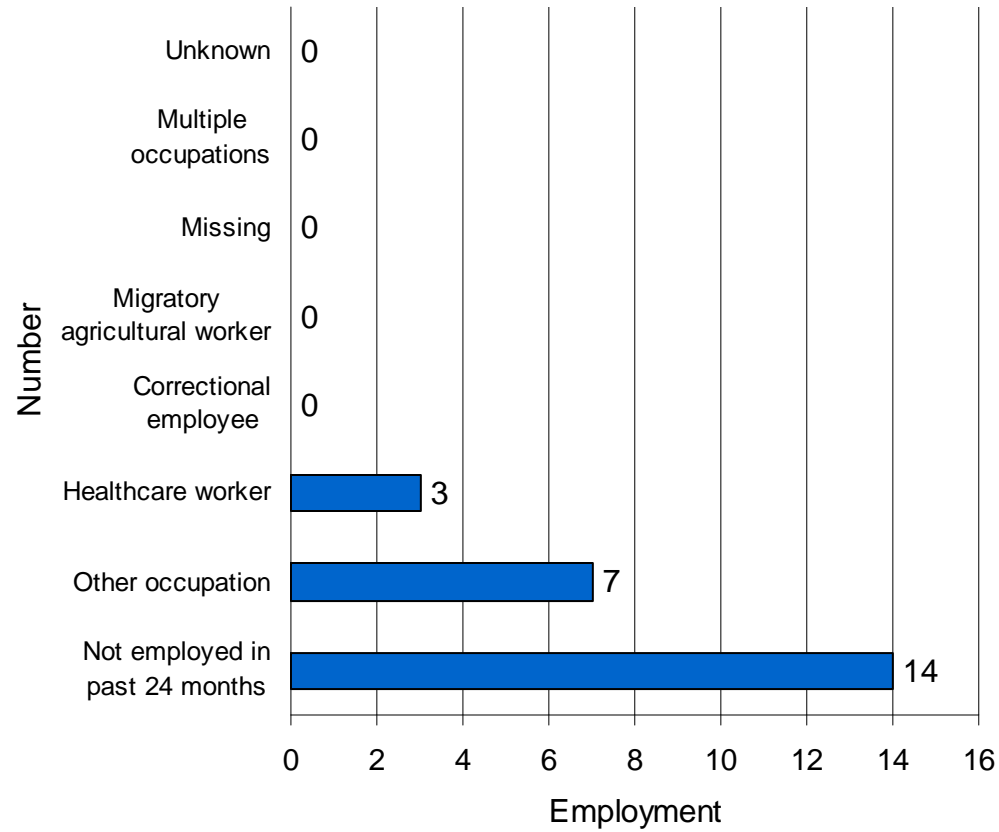
2007 West Virginia TB Cases by Sex



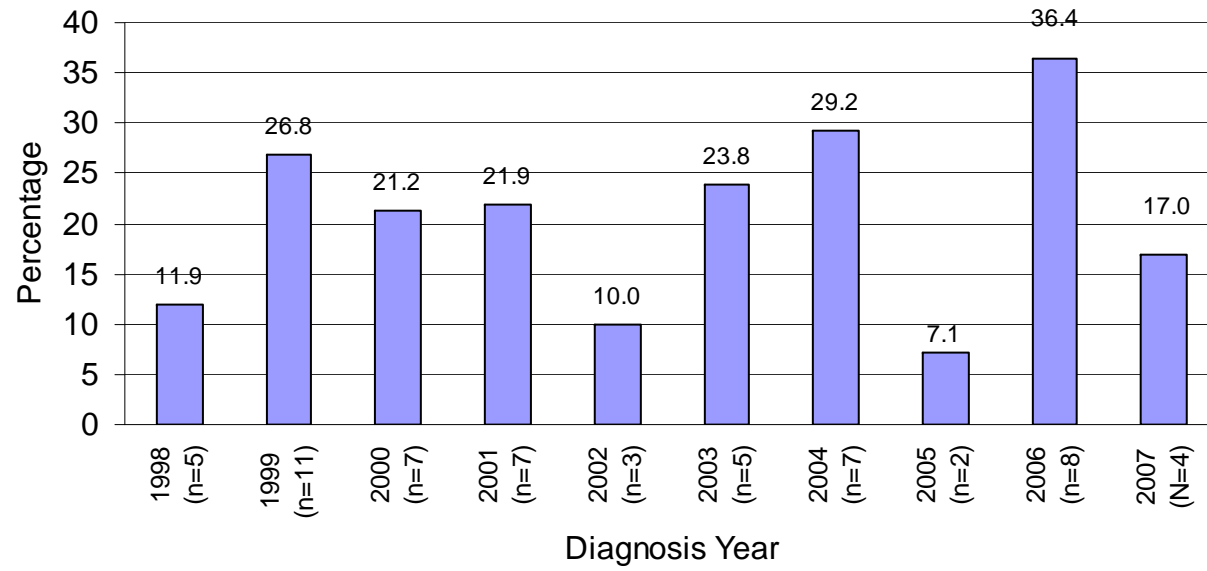
2007 West Virginia TB Cases by Country of Origin



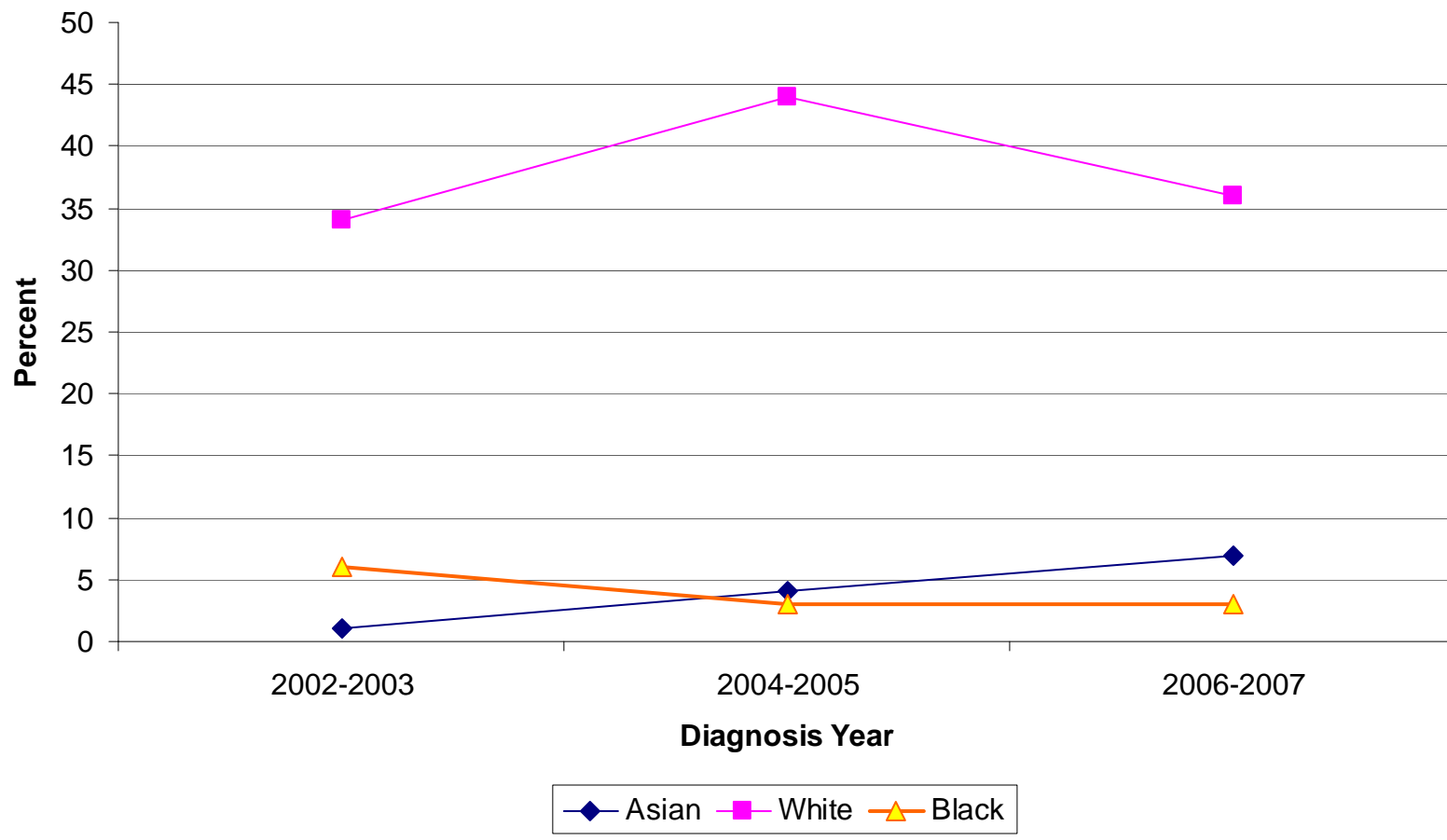
2007 West Virginia TB Cases: Employment at Diagnosis



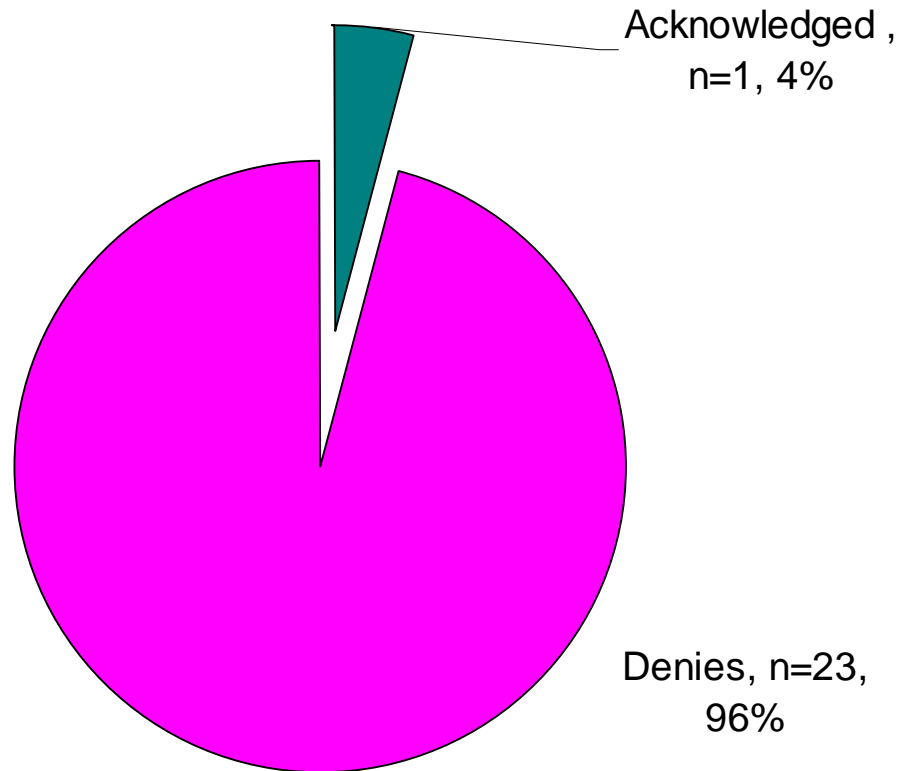
Percentage of West Virginia TB Cases with Reported History of Alcohol Abuse in Past Year



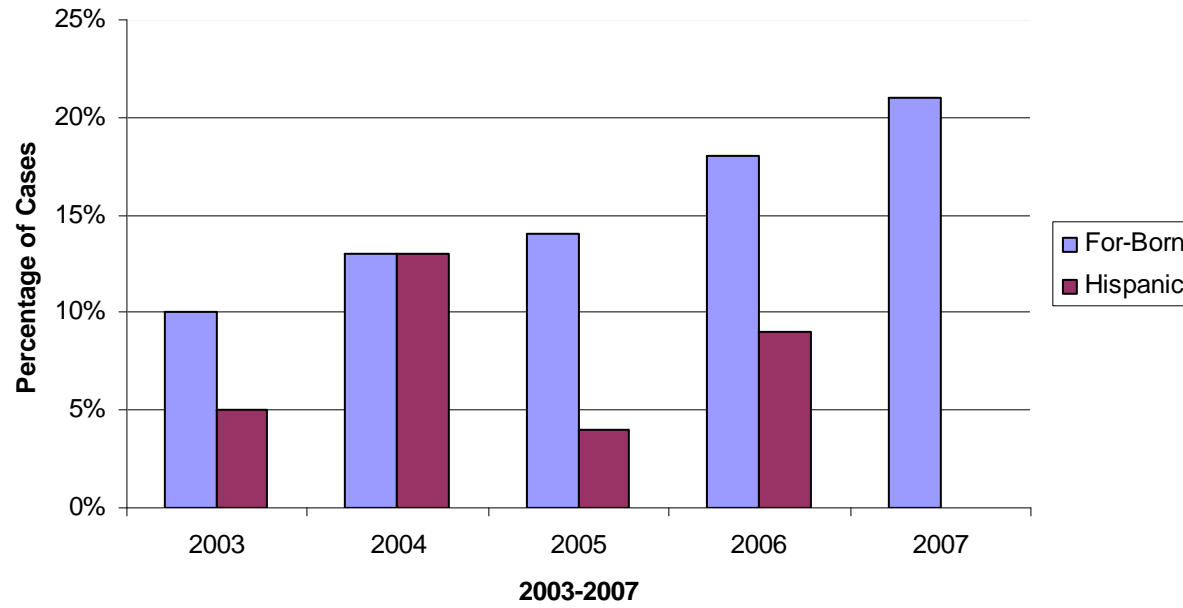
Race of West Virginia TB Cases by Diagnosis Year



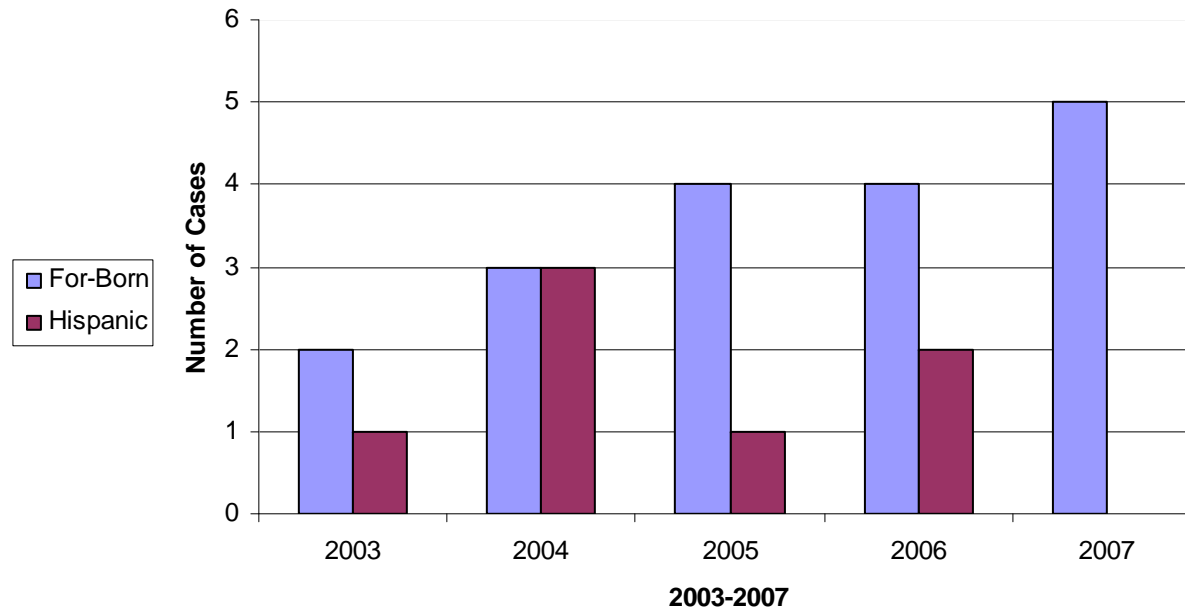
2007 West Virginia TB Cases: Non-Injected Drug Use in Past Year



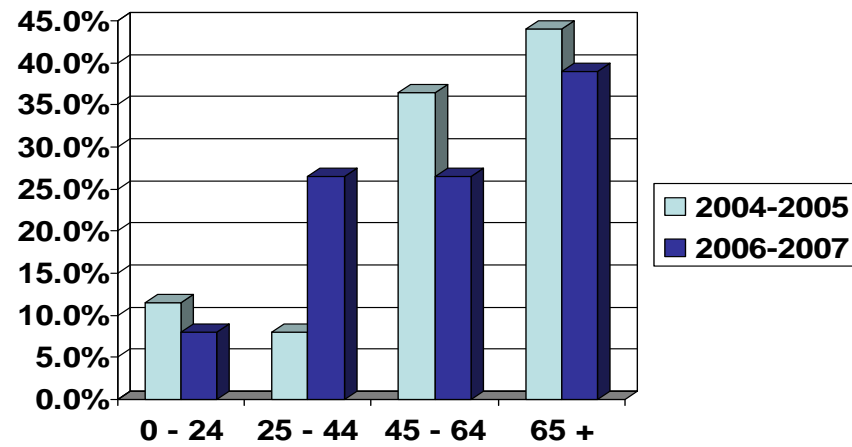
Percentage of Cases: Foreign-Born Vs. Hispanic



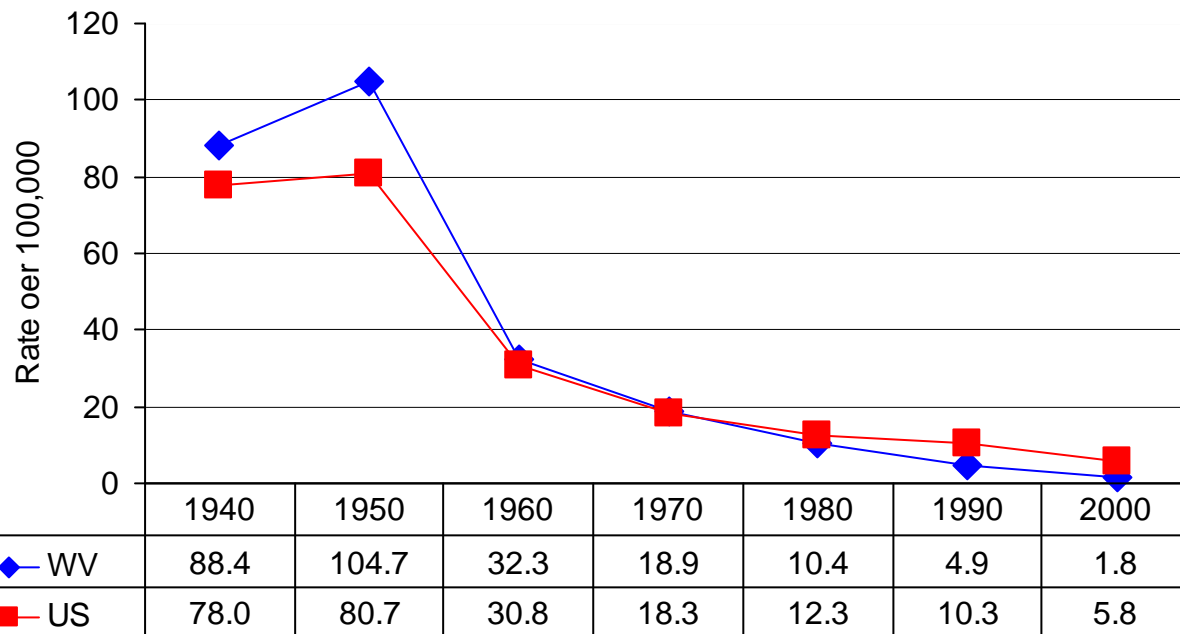
Number of Cases: Foreign-Born Vs. Hispanic



Age at Diagnosis of West Virginia Tuberculosis Cases by Diagnosis Year



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



Year of Report

*** Confidential Patient Information ***

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month-Year Counted

BEGINNING 01/2007 AND ENDING 12/2007

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	0	0.00 %
Not Hispanic or Latino	24	100.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

RACE (Calculated)

Classification	Number of Records	Percent
Single Race:		
American Indian or Alaska Native	0	0.00 %
Asian	5	20.83 %
Black or African American	2	8.33 %
Native Hawaiian or Other Pacific Islander	0	0.00 %
White	17	70.83 %
Multiple Races	0	0.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

SEX

Classification	Number of Records	Percent
Male	18	75.00 %
Female	6	25.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

COUNTRY OF ORIGIN

Classification	Number of Records	Percent
U.S.	19	79.17 %
Non-U.S.	5	20.83 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

*** Confidential Patient Information ***

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month-Year Counted

BEGINNING 01/2007 AND ENDING 12/2007

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	0	0.00 %
5 - 9	0	0.00 %
10 - 14	0	0.00 %
15 - 19	2	8.33 %
20 - 24	0	0.00 %
25 - 29	2	8.33 %
30 - 34	2	8.33 %
35 - 39	2	8.33 %
40 - 44	1	4.17 %
45 - 49	0	0.00 %
50 - 54	3	12.50 %
55 - 59	1	4.17 %
60 - 64	2	8.33 %
65 - 69	2	8.33 %
70 - 74	1	4.17 %
75 - 79	2	8.33 %
80 - 84	2	8.33 %
85 and Older	2	8.33 %
Unknown	0	0.00 %
Total	24	100.00 %

10 YEAR AGE GROUP (Calculated)

Classification	Number of Records	Percent
0 - 9	0	0.00 %
10 - 19	2	8.33 %
20 - 29	2	8.33 %
30 - 39	4	16.67 %
40 - 49	1	4.17 %
50 - 59	4	16.67 %
60 - 69	4	16.67 %
70 - 79	3	12.50 %
80 and Older	4	16.67 %
Unknown	0	0.00 %
Total	24	100.00 %

HOMELESS WITHIN PAST YEAR

Classification	Number of Records	Percent
No	23	95.83 %
Yes	1	4.17 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month-Year Counted

BEGINNING 01/2007 AND ENDING 12/2007

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	24	100.00 %
Yes	0	0.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

RESIDENT OF LONG-TERM CARE FACILITY AT TIME OF DIAGNOSIS

Classification	Number of Records	Percent
No	24	100.00 %
Yes	0	0.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

INJECTED DRUG USE WITHIN PAST YEAR

Classification	Number of Records	Percent
No	24	100.00 %
Yes	0	0.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

NON-INJECTED DRUG USE WITHIN PAST YEAR

Classification	Number of Records	Percent
No	23	95.83 %
Yes	1	4.17 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

SURVEILLANCE DEMOGRAPHICS REPORT

For the Month-Year Counted

BEGINNING 01/2007 AND ENDING 12/2007

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	20	83.33 %
Yes	4	16.67 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

OCCUPATION (Calculated)

Classification	Number of Records	Percent
Health Care Worker	3	12.50 %
Correctional Employee	0	0.00 %
Migratory Agricultural Worker	0	0.00 %
Other Occupation	7	29.17 %
Multiple Occupations	0	0.00 %
Not Employed Within Past 24 Months	14	58.33 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

SURVEILLANCE CLINICAL DATA

For the Month-Year Counted

BEGINNING 01/2007 AND ENDING 12/2007

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	21	87.50 %
Dead	3	12.50 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

PREVIOUS DIAGNOSIS OF TB

Classification	Number of Records	Percent
No	21	87.5 %
Yes	3	12.5 %
Unknown	0	0 %
Missing	0	0 %
Total	24	100.00 %

SITE OF DISEASE (Calculated)

Classification	Number of Records	Percent
Pulmonary	17	70.83 %
Extrapulmonary	5	20.83 %
Both	2	8.33 %
Site Not Stated	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

SPUTUM SMEAR

Classification	Number of Records	Percent
Positive	8	33.33 %
Negative	6	25.00 %
Not Done	10	41.67 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

SPUTUM CULTURE

Classification	Number of Records	Percent
Positive	12	50.00 %
Negative	1	4.17 %
Not Done	11	45.83 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

SURVEILLANCE CLINICAL DATA
 For the Month-Year Counted
 BEGINNING 01/2007 AND ENDING 12/2007

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	5	20.83 %
Negative	10	41.67 %
Not Done	9	37.50 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

CULTURE OF TISSUE AND OTHER BODY FLUIDS

Classification	Number of Records	Percent
Positive	15	62.50 %
Negative	0	0.00 %
Not Done	9	37.50 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

CHEST X-RAY

Classification	Number of Records	Percent
Normal	6	25.00 %
Abnormal	18	75.00 %
Not Done	0	0.00 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

TUBERCULIN (MANTOUX) SKIN TEST AT DIAGNOSIS

Classification	Number of Records	Percent
Positive	9	37.50 %
Negative	4	16.67 %
Not Done	11	45.83 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

*** Confidential Information ***
 SURVEILLANCE CLINICAL DATA
 For the Month-Year Counted
 BEGINNING 01/2007 AND ENDING 12/2007

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	41.67 %
Positive	0	0.00 %
Indeterminate	0	0.00 %
Refused	5	20.83 %
Not Offered	5	20.83 %
Test Done, Results Unknown	4	16.67 %
Unknown	0	0.00 %
Missing	0	0.00 %
Total	24	100.00 %

INITIAL DRUG REGIMEN (Calculated)

Classification	Number of Records	Percent
No Drugs	3	12.50 %
One Drug	0	0.00 %
INH, RIF, PZA, and EMB or SM	17	70.83 %
Isoniazid, Rifampin and Pyrazinamide	1	4.17 %
Isoniazid and Rifampin	1	4.17 %
Any other multiple drug combination	2	8.33 %
Unknown	0	0.00 %
Total	24	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	2001	2002	2003	2004	2005	2006	2007	2007 I-Rate
Barbour	15,557	0	0	0	0	0	2	0	0.0
Berkeley	75,905	1	3	2	2	1	0	3	4.0
Boone	25,535	0	1	0	0	1	0	0	0.0
Braxton	14,702	0	0	1	0	0	0	0	0.0
Brooke	25,447	0	0	0	0	0	1	0	0.0
Cabell	96,784	4	4	2	2	2	1	0	0.0
Calhoun	7,582	0	0	0	1	0	0	0	0.0
Clay	10,330	1	0	0	0	0	1	0	0.0
Doddridge	7,403	0	0	0	0	0	0	0	0.0
Fayette	47,579	3	0	2	1	1	0	2	4.2
Gilmer	7,160	0	0	0	0	0	0	0	0.0
Grant	11,299	0	0	0	0	0	0	0	0.0
Greenbrier	34,453	1	0	0	1	1	1	1	2.9
Hampshire	20,203	0	1	0	0	0	0	0	0.0
Hancock	32,667	0	1	0	0	0	1	0	0.0
Hardy	12,669	0	0	0	0	0	0	0	0.0
Harrison	68,652	0	0	0	2	2	0	1	1.5
Jackson	28,000	0	0	0	0	0	0	0	0.0
Jefferson	42,190	1	0	1	2	3	2	0	0.0
Kanawha	200,073	5	7	3	3	3	0	2	1.0
Lewis	16,919	0	0	0	0	0	0	1	5.9
Lincoln	22,108	0	0	0	0	0	0	0	0.0
Logan	37,710	1	1	1	2	0	1	0	0.0
Marion	56,598	2	0	0	0	1	1	0	0.0
Marshall	35,519	0	0	0	0	1	0	0	0.0
Mason	25,957	1	1	0	0	0	0	0	0.0
McDowell	27,329		1	0	3	0	0	2	7.3
Mercer	62,980	1	1	0	0	5	0	0	0.0
Mineral	27,078	0	0	1	2	0	0	0	0.0
Mingo	28,253	0	3	1	1	2	0	2	7.1
Monongalia	81,866	2	0	0	0	1	3	2	2.4
Monroe	14,583	0	0	0	0	0	1	0	0.0
Morgan	14,943	0	0	0	0	0	0	1	6.7
Nicholas	26,562	0	0	0	0	0	0	0	0.0
Ohio	47,427	1	1	1	0	0	1	0	0.0
Pendleton	8,196	0	1	0	0	0	1	0	0.0
Pleasants	7,514	0	0	0	0	0	0	1	13.3

Pocahontas	9,131	0	0	0	0	0	0	0	0.0
Preston	29,334	0	0	0	0	0	0	0	0.0
Putnam	51,589	2	0	1	0	1	1	1	1.9
Raleigh	79,220	0	0	1	0	0	1	1	1.3
Randolph	28,262	1	1	1	0	0	0	0	0.0
Ritchie	10,343	0	0	0	0	0	1	0	0.0
Roane	15,446	0	0	1	0	0	1	0	0.0
Summers	12,999	0	0	0	0	0	0	0	0.0
Taylor	16,089	0	0	0	0	0	0	0	0.0
Tucker	7,321	0	0	0	0	0	0	1	13.7
Tyler	9,592	0	0	0	0	0	0	0	0.0
Upshur	23,404	1	0	0	0	1	0	0	0.0
Wayne	42,903	3	2	1	1	2	0	1	2.3
Webster	9,719	0	0	0	0	0	0	0	0.0
Wetzel	17,693	0	0	0	0	0	0	0	0.0
Wirt	5,873	0	0	0	0	0	0	0	0.0
Wood	87,986	1	0	0	1	0	0	2	2.3
Wyoming	25,708	0	1	1	0	0	1	0	0.0
Total	1,808,344	32	30	21	24	28	22	24	
I-Rate for WV		1.8	1.7	1.2	1.3	1.5	1.2	1.3	
Counties with TB		18	16	16	14	16	18	16	

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

County	Population	2003 LTBI	2003 Rate	2004 LTBI	2004 Rate	2005 LTBI	2005 Rate	2006 LTBI	2006 Rate	2007 LTBI	2007 Rate
Barbour	15,557			3	19.3	5	32.1	8	51.4	10	64.3
Berkeley	75,905	53	69.8	84	110.6	39	51.4	76	100.2	17	22.3
Boone	25,535	6	23.5	0	0	2	7.8	0	0	0	0
Braxton	14,702	4	27.2	3	20.4	2	13.6	1	6.8	6	40.8
Brooke	25,447	1	3.9	1	3.9	1	3.9	2	7.9	2	7.9
Cabell	96,784	35	36.2	48	49.6	25	25.8	32	33.1	47	48.6
Calhoun	7,582	1	13.2	0	0	0	0	0	0	2	26.4
Clay	10,330	2	19.4	3	29	0	0	0	0	0	0
Doddridge	7,403	3	40.5	5	67.5	2	27	3	40.5	3	40.5
Fayette	47,579	6	12.6	0	0	2	4.2	1	2.1	6	12.6
Gilmer	7,160	0	0	0	0	0	0	1	14	0	0
Grant	11,299	9	79.7	10	88.5	1	8.9	5	44.3	4	35.4
Greenbrier	34,453	6	17.4	24	69.7	4	11.6	3	8.7	5	14.5
Hampshire	20,203	14	69.3	5	24.7	5	24.7	13	64.3	4	19.8
Hancock	32,667	3	9.2	0	0	1	3.1	2	6.1	1	3.1
Hardy	12,669	4	31.6	11	86.8	4	31.6	9	71	7	55.3
Harrison	68,652	25	36.4	23	33.5	16	23.3	36	52.4	37	53.9
Jackson	28,000	12	42.9	5	17.9	3	10.7	3	10.7	9	32.1
Jefferson	42,190	85	201.5	47	111.4	69	163.5	85	201.5	88	208.6
Kanawha	200,073	64	32	56	28	40	20	22	11	9	4.5
Lewis	16,919	7	41.4	3	17.7	4	23.6	4	23.6	1	5.9
Lincoln	22,108	0	0	1	4.5	0	0	0	0	0	0
Logan	37,710	20	53	17	45.1	8	21.2	6	15.9	7	18.6
Marion	56,598	4	7.1	5	8.8	1	1.8	1	1.8	2	3.5
Marshall	35,519	5	14.1	5	14.1	1	2.8	6	16.9	4	11.3
Mason	25,957	5	19.3	3	11.6	3	11.6	2	7.7	4	11.1
McDowell	27,329	9	32.9	13	47.6	0	0	1	3.7	2	7.3
Mercer	62,980	0	0	3	4.8	0	0	10	15.9	21	33.3
Mineral	27,078	8	29.5	81	299.1	2	7.4	0	0	0	0
Mingo	28,253	9	31.9	4	14.2	3	106	2	7.1	5	17.7
Monongalia	81,866	3	3.7	28	34.2	6	7.3	8	9.8	10	12.2
Monroe	14,583	2	13.7	1	6.9	4	27.4	9	61.7	5	1.4
Morgan	14,943	12	80.3	21	140.5	3	20.1	1	6.7	0	0
Nicholas	26,562	0	0	0	0	3	11.3	1	3.8	0	0
Ohio	47,427	5	10.5	0	0	8	16.9	1	2.1	1	2.1
Pendleton	8,196	1	12.2	5	61	0	0	7	85.4	1	12.2
Pleasants	7,514	2	26.6	0	0	1	13.3	0	0	0	0
Pocahontas	9,131	2	21.9	1	11	1	11	22	240.9	17	186.2
Preston	29,334	0	0	2	6.8	0	0	0	0	0	0
Putnam	51,589	8	15.5	5	9.7	4	7.8	3	5.8	2	3.9
Raleigh	79,220	4	5	5	6.3	5	6.3	12	15.1	13	16.4
Randolph	28,262	9	31.8	11	38.9	9	31.8	10	35.4	5	17.7
Ritchie	10,343	0	0	1	9.7	0	0	0	0	0	0
Roane	15,446	2	12.9	3	19.4	0	0	3	19.4	1	6.5
Summers	12,999	11	84.6	3	23.1	3	23.1	1	7.7	4	30.8
Taylor	16,089	11	68.4	5	31.1	8	49.7	6	37.3	7	43.5
Tucker	7,321	0	0	0	0	0	0	3	41	6	82
Upshur	23,404	1	4.3	0	0	0	0	2	8.5	0	0
Wayne	42,903	5	11.7	3	7	0	0	0	0	0	0
Webster	9,719	1	10.3	0	0	0	0	0	0	0	0
Wetzel-Tyl	17,693	2	11.3	1	5.7	1	5.7	0	0	0	0
Wirt	5,873	1	17	1	17	0	0	0	0	0	0
Wood	87,986	3	3.4	1	1.1	5	5.7	2	2.3	6	6.8
Wyoming	25,708	5	19.4	4	15.6	1	3.9	2	7.8	3	11.7
TOTALS	1,808,344	490	27.1	570	31.5	305	16.9	427	23.6	384	21.2

**TB DRUG RESISTANCE IN WV
1991 TO 2007**

<u>YEAR</u>	<u>MONO</u>	<u>MDR</u>	<u>2 OTHER</u>
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
1991	5	1 (TX 1989)	0

**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>
2007	24	1.3	13293	4.4
2006	22	1.2	13,779	4.6
2005	28	1.6	14,093	4.8
2004	24	1.3	14,516	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
1988	68	3.6	22,436	9.2

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<u>YEAR</u>	<u>#WV CASES</u>	<u>WV RATE</u>	<u>#USA CASES</u>	<u>USA RATE</u>
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
1974	233	13.0	30,122	14.1
1973	226	12.6	30,998	14.6
1972	252	14.1	32,882	15.7
1971	276	15.8	35,217	17.0
1970	329	18.9	37,137	18.1