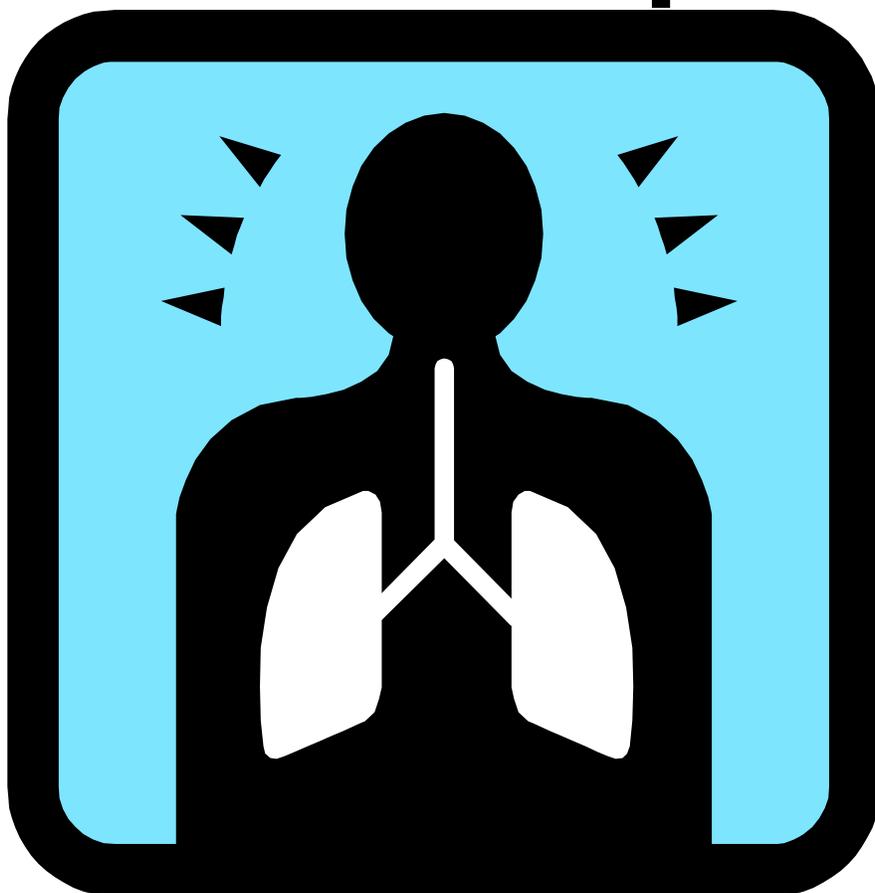


# **South Dakota Tuberculosis Control Program Annual Report**

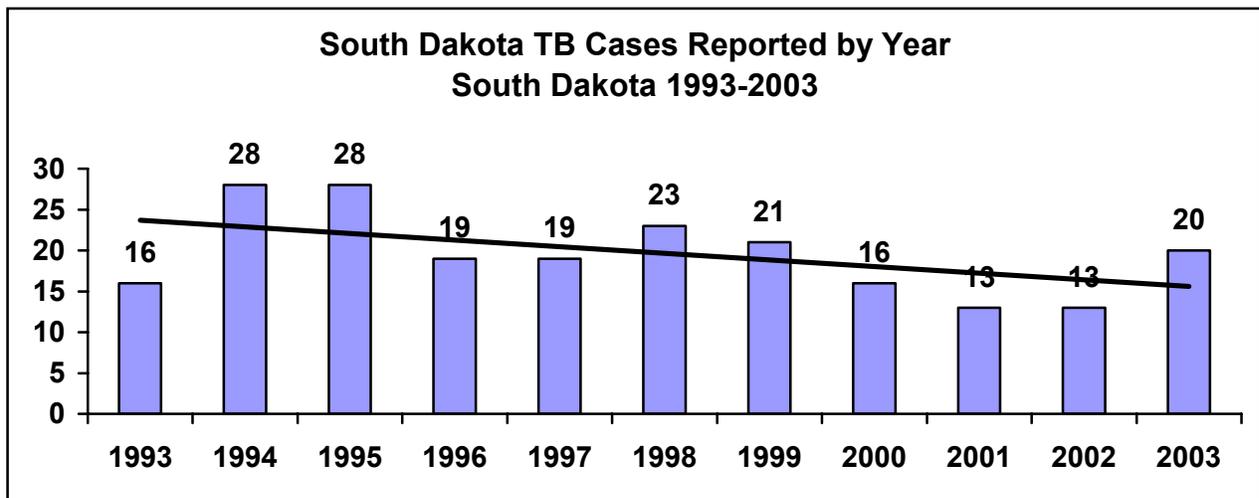


**2003**

## 2003 YEAR END SUMMARY

There were 20 cases of tuberculosis reported to the South Dakota Department of Health in 2003, which is an increase of 7 cases from 2002. Cases were widely distributed throughout the state with 11 counties reporting TB cases. Three (15%) of these counties had not reported TB cases for 3 or more years. During 2003, there were no drug-resistant TB cases reported. In addition, no TB cases were reported in long-term care facilities and no HIV co-infected TB patients were reported. During 2003, there were 2 cases (10%) which were reported in children less than 4 years of age which is the highest percentage in over 10 years. During 2003 the TB case rate was 2.6 cases per 100,000 as compared to 1.7 cases per 100,000 in 2002. In addition, close to 600 contacts to infectious TB were identified and managed which is the highest number in over a decade.

## STATISTICAL REVIEW OF 2003 TB CASES

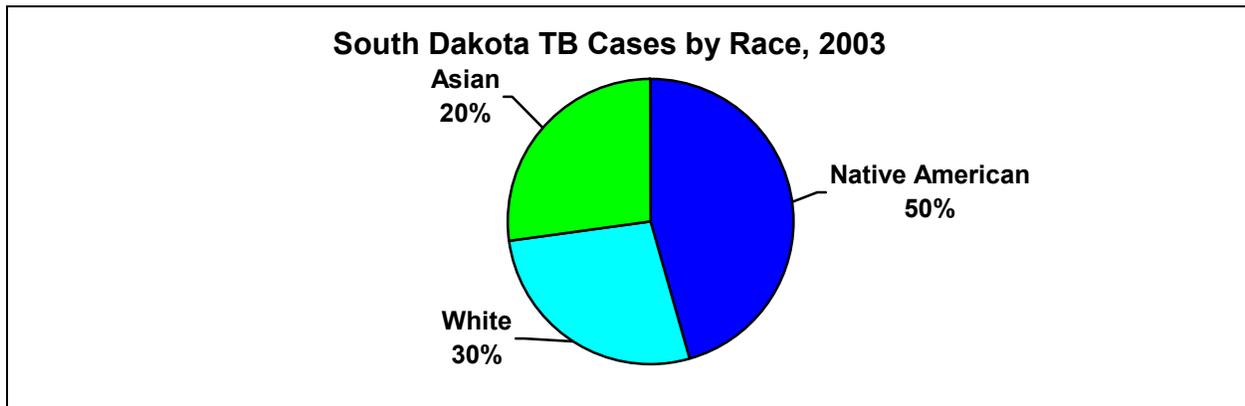


### TB CASES REPORTED BY SEX AND AGE SOUTH DAKOTA 2003

AGE (years)	MALE	FEMALE	TOTAL	% OF CASES
0-4	2	0	2	10%
5-9	0	0	0	---
10-14	0	1	1	5%
15-19	0	0	0	---
20-29	3	1	4	20%
30-39	0	0	0	---
40-49	0	2	2	10%
50-59	1	2	3	15%
60-69	2	1	3	15%
70-79	3	2	5	25%
80-89	0	0	0	---
90+	0	0	0	---
<b>TOTAL</b>	<b>11</b>	<b>9</b>	<b>20</b>	<b>100%</b>

**TUBERCULOSIS CASES REPORTED BY SEX AND RACE  
SOUTH DAKOTA 2003**

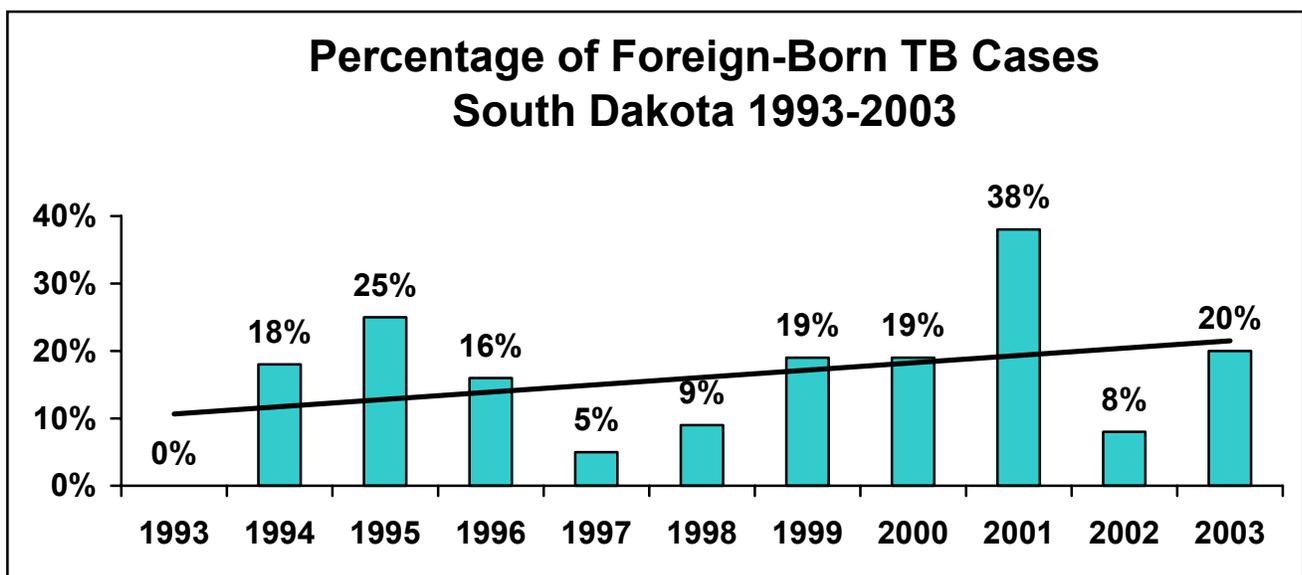
RACE	MALE	FEMALE	TOTAL	% OF CASES
Native American	5	5	10	50%
White	4	2	6	30%
Black	0	0	0	---
Hispanic	0	0	0	---
Asian	2	2	4	20%
<b>TOTAL</b>	<b>11</b>	<b>9</b>	<b>20</b>	<b>100%</b>



**TUBERCULOSIS MORBIDITY INCIDENCE RATES PER 100,000 BY RACE & YEAR  
SOUTH DAKOTA 1998-2003**

RACE	1998	1999	2000	2001	2002	2003
All Races	3.3	3.0	2.3	1.7	1.7	2.6
Native American	33.6	27.7	17.8	5.9	16.1	14.6
White	0.6	0.6	0.6	0.4	0.3	0.9
Black	Not available	Not available	Not available	48.4	0.0	0.0
Asian	Not available	Not available	Not available	17.4	0.0	69.4
All Other Races	25.3*	37.9*	37.9*	38.5	0.0	0.0

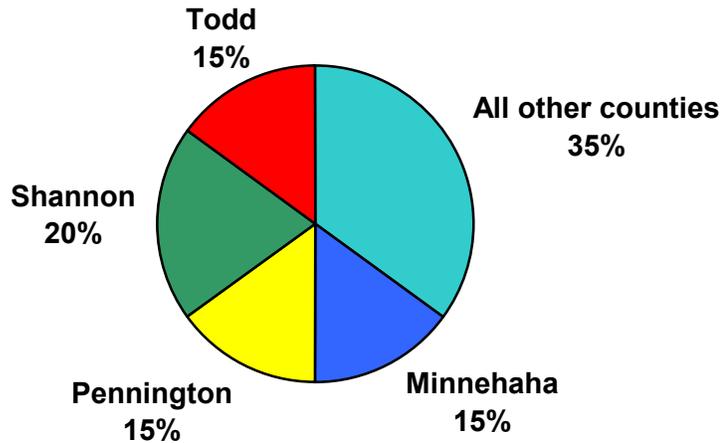
\* Specific race data not available from the census for this year other than White & Native American.



**TB CASES REPORTED BY COUNTY OF RESIDENCE  
SOUTH DAKOTA 2003**

County	# of TB cases	County	# of TB cases
Beadle	1	Minnehaha	3
Brown	1	Pennington	3
Charles Mix	1	Shannon	4
Day	1	Sully	1
Hughes	1	Todd	3
Lawrence	1		

**TB Cases Reported by County of Residence - 2003**

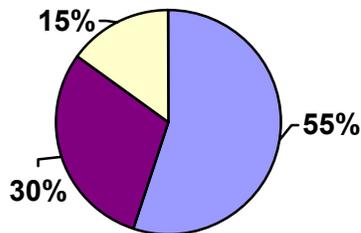


**PULMONARY AND NON-PULMONARY TUBERCULOSIS CASES BY RACE  
SOUTH DAKOTA 2003**

Site of Disease	Native American	White	Black	Hispanic	Asian	TOTAL
Pulmonary	7	2	0	0	2	11
Non-pulmonary	2	3	0	0	1	6
Both	1	1	0	0	1	1
<b>TOTAL</b>	<b>10</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>20</b>

The non-pulmonary sites of disease included the following: renal, brain, lymphatic, pleural, colon, neck tissue and elbow

**Percentage of Pulmonary versus Non-pulmonary TB cases  
South Dakota 2003**

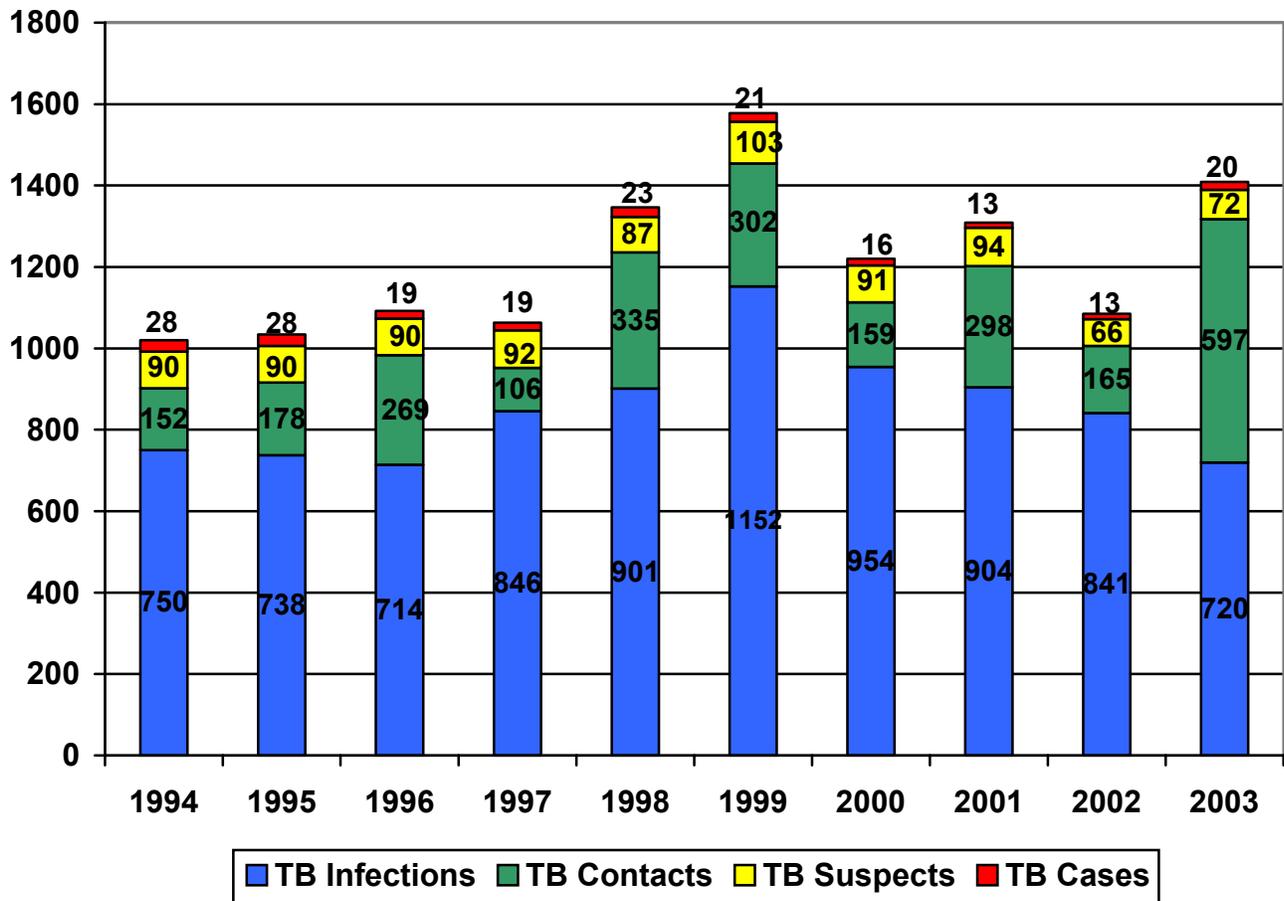


■ Pulmonary ■ Non-pulmonary ■ Both

**TUBERCULOSIS MORTALITY BY RACE AND YEAR  
SOUTH DAKOTA 2000-2003**

RACE	2000		2001		2002		2003	
All races	4/16	25%	1/13	8%	4/13	31%	4/20	20%
Native American	3/9	33%	1/4	25%	4/11	36%	4/10	40%
White	1/3	33%	0/3	0%	0/2	0%	0/6	0%
Black	0/3	0%	0/3	0%	---	---	---	---
Hispanic	---	---	0/2	0%	---	---	---	---
Asian	---	---	0/1	0%	---	---	0/4	0%

**Cumulative # of TB Investigations by Disease Intervention Specialists (DIS) 1994-2003**

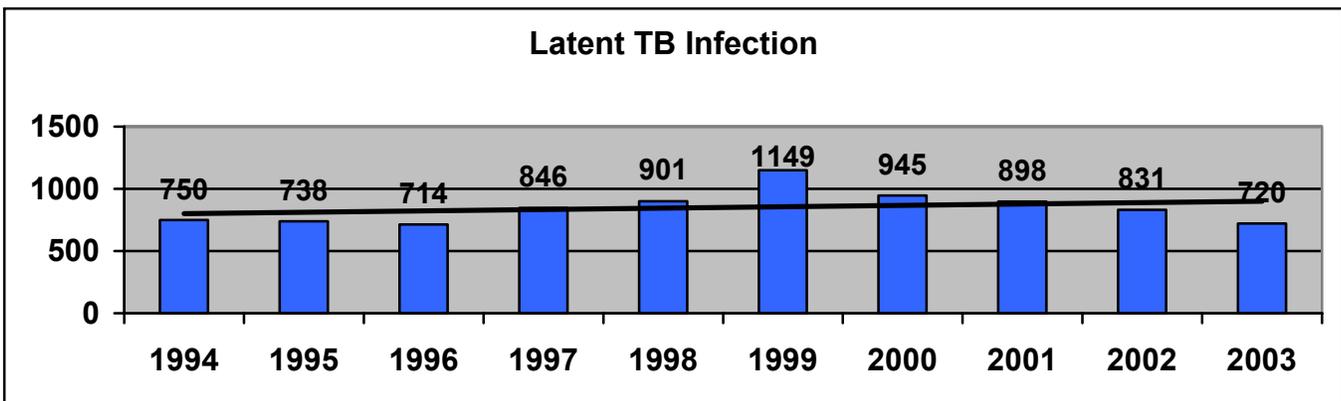
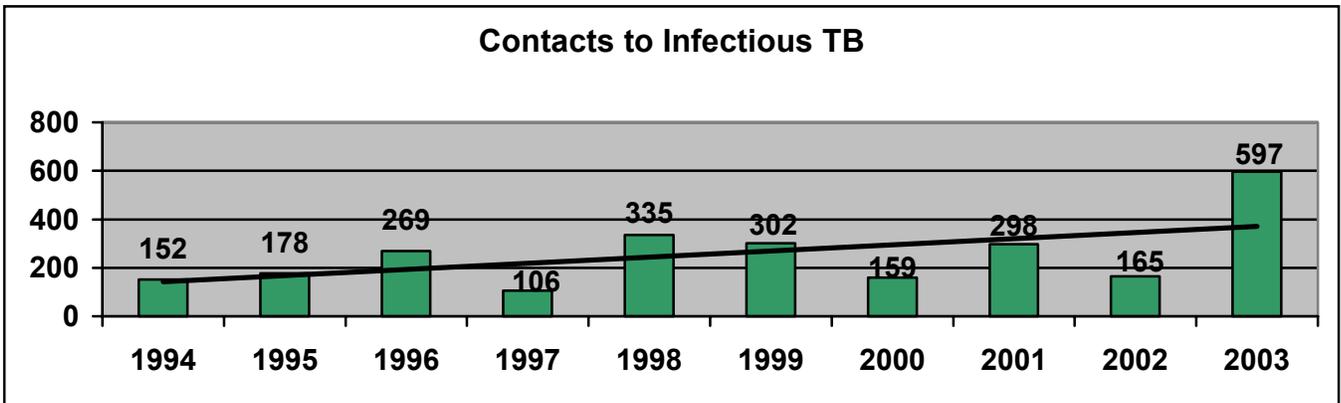
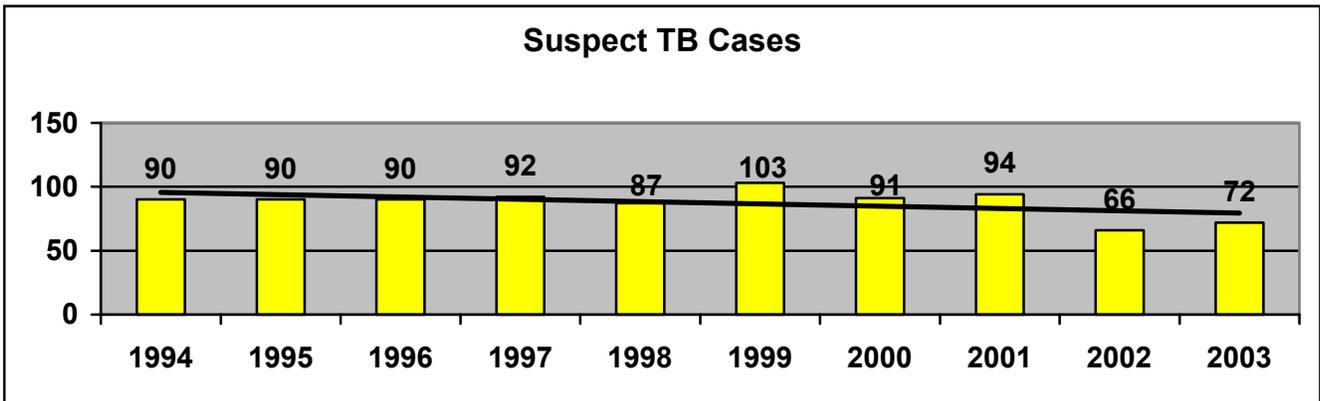
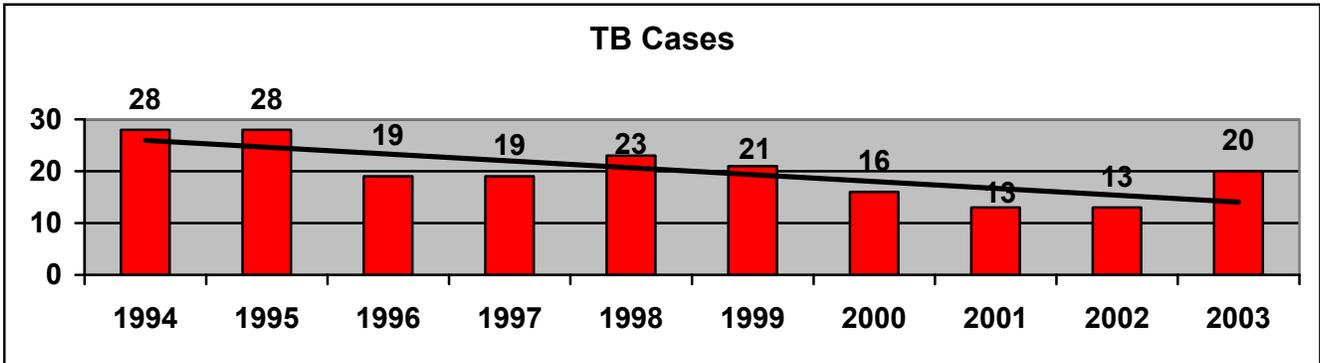


**PATIENTS STARTED ON TREATMENT FOR LATENT TB INFECTION  
SOUTH DAKOTA 1994-2003**

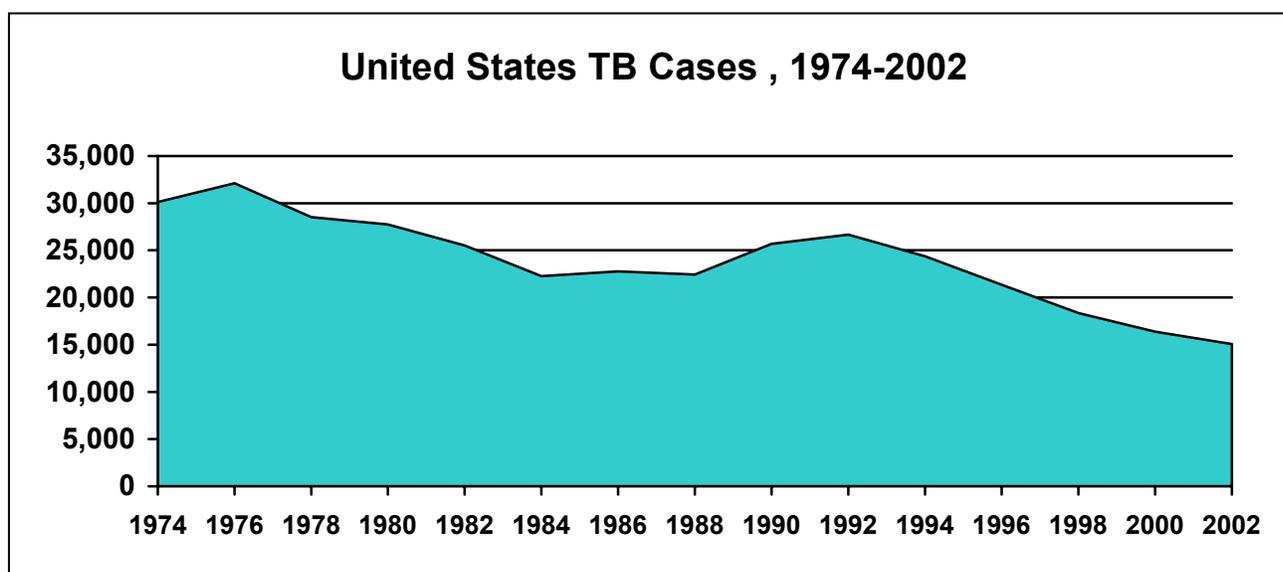
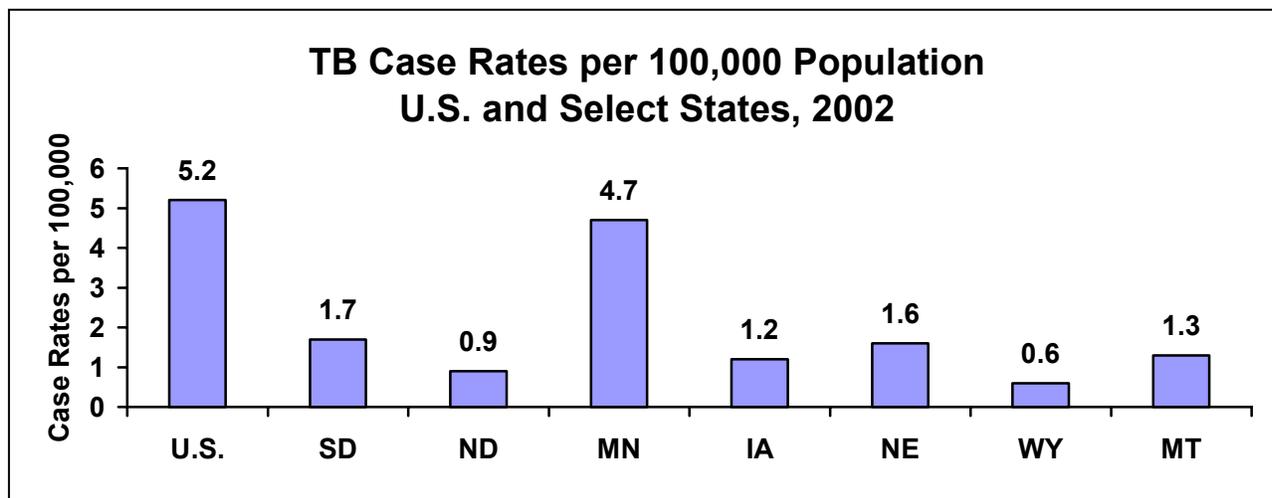
1994	1995	1996	1997	1998	1999	2000	2001	2002	2003*
536	579	640	631	683	771	592	670	580	454

\*2003 data is provisional

# COMPARISON OF TB CASES, TB SUSPECTS, TB CONTACTS AND LATENT TB INFECTIONS REPORTED FROM 1994-2003



## 2002 US AND REGIONAL TB STATISTICAL INFORMATION



**TUBERCULOSIS CASES AND CASE RATES PER 100,000  
UNITED STATES 1992-2002**

YEAR	NUMBER OF TB CASES	TB CASE RATE	% CHANGE OF NUMBER	% CHANGE OF RATE
1992	26,673	10.5	+1.5%	+1.0%
1993	25,287	9.8	-5.2%	-6.7%
1994	24,361	9.4	-3.7%	-4.1%
1995	22,860	8.7	-6.2%	-7.4%
1996	21,337	8.0	-6.7%	-8.0%
1997	19,851	7.4	-7.0%	-7.5%
1998	18,361	6.8	-7.5%	-8.1%
1999	17,531	6.4	-4.5%	-5.9%
2000	16,377	5.8	-6.6%	-9.4%
2001	15,989	5.6	-2.4%	-3.4%
2002	15,078	5.2	-6.0%	-7.0%