

Morbidity Trend Tables United States

Table 1. Tuberculosis Cases, Case Rates per 100,000 Population, Deaths, and Death Rates per 100,000 Population, and Percent Change: United States, 1953–2008

Year	Tuberculosis Cases				Tuberculosis Deaths			
	Number	Rate	Percent Change		Number ¹	Rate ¹	Percent Change	
			Number	Rate			Number	Rate
1953	84,304	52.6	--	--	19,707	12.4	--	--
1954	79,775	48.9	-5.4	-7.0	16,527	10.2	-16.1	-17.7
1955	77,368	46.6	-3.0	-4.7	15,016	9.1	-9.1	-10.8
1956	69,895	41.4	-9.7	-11.1	14,137	8.4	-5.9	-7.7
1957	67,149	39.0	-3.9	-5.8	13,390	7.8	-5.3	-7.1
1958	63,534	36.3	-5.4	-6.9	12,417	7.1	-7.3	-9.0
1959	57,535	32.4	-9.4	-10.7	11,474	6.5	-7.6	-8.5
1960	55,494	30.7	-3.5	-5.2	10,866	6.0	-5.3	-7.7
1961	53,726	29.2	-3.2	-4.9	9,938	5.4	-8.5	-10.0
1962	53,315	28.6	-0.8	-2.1	9,506	5.1	-4.3	-5.6
1963	54,042	28.6	1.4	0.0	9,311	4.9	-2.1	-3.9
1964	50,874	26.5	-5.9	-7.3	8,303	4.3	-10.8	-12.2
1965	49,016	25.2	-3.7	-4.9	7,934	4.1	-4.4	-4.7
1966	47,767	24.3	-2.5	-3.6	7,625	3.9	-3.9	-4.9
1967	45,647	23.0	-4.4	-5.3	6,901	3.5	-9.5	-10.3
1968	42,623	21.2	-6.6	-7.8	6,292	3.1	-8.8	-11.4
1969	39,120	19.3	-8.2	-9.0	5,567	2.8	-11.5	-9.7
1970	37,137	18.1	-5.1	-6.2	5,217	2.6	-6.3	-7.1
1971	35,217	17.0	-5.2	-6.1	4,501	2.2	-13.7	-15.4
1972	32,882	15.7	-6.6	-7.6	4,376	2.1	-2.8	-4.5
1973	30,998	14.6	-5.7	-7.0	3,875	1.8	-11.4	-14.5
1974	30,122	14.1	-2.8	-3.4	3,513	1.7	-9.3	-5.6
1975	33,989	15.7	--	--	3,333	1.6	-5.1	-5.9
1976	32,105	14.7	-5.5	-6.4	3,130	1.5	-6.1	-6.3
1977	30,145	13.7	-6.1	-6.8	2,968	1.4	-5.2	-6.7
1978	28,521	12.8	-5.4	-6.6	2,914	1.3	-1.8	-7.1
1979	27,669	12.3	-3.0	-3.9	2,007	0.9	-31.1	-30.8
1980	27,749	12.2	0.3	-0.7	1,978	0.9	-1.4	0.0
1981	27,373	11.9	-1.4	-2.3	1,937	0.8	-2.1	-11.1
1982	25,520	11.0	-6.8	-7.7	1,807	0.8	-6.7	0.0
1983	23,846	10.2	-6.6	-7.4	1,779	0.8	-1.5	0.0
1984	22,255	9.4	-6.7	-7.5	1,729	0.7	-2.8	-12.5
1985	22,201	9.3	-0.2	-1.1	1,752	0.7	1.3	0.0
1986	22,768	9.5	2.6	1.6	1,782	0.7	1.7	0.0
1987	22,517	9.3	-1.1	-2.0	1,755	0.7	-1.5	0.0
1988	22,436	9.2	-0.4	-1.3	1,921	0.8	9.5	14.3
1989	23,495	9.5	4.7	3.7	1,970	0.8	2.6	0.0
1990	25,701	10.3	9.4	8.2	1,810	0.7	-8.1	-12.5
1991	26,283	10.4	2.3	0.9	1,713	0.7	-5.4	0.0
1992	26,673	10.4	1.5	0.1	1,705	0.7	-0.5	0.0
1993	25,107	9.7	-5.9	-7.1	1,631	0.6	-4.3	-14.3
1994	24,205	9.2	-3.6	-4.8	1,478	0.6	-9.4	0.0
1995	22,728	8.5	-6.1	-7.2	1,336	0.5	-9.6	-16.7
1996	21,210	7.9	-6.7	-7.8	1,202	0.5	-10.0	0.0
1997	19,751	7.2	-6.9	-8.0	1,166	0.4	-3.0	-20.0
1998	18,287	6.6	-7.4	-8.5	1,112	0.4	-4.6	0.0
1999	17,501	6.3	-4.3	-5.4	930	0.3	-16.4	-25.0
2000	16,310	5.8	-6.8	-7.8	776	0.3	-16.6	0.0
2001	15,945	5.6	-2.2	-3.2	764	0.3	-1.6	0.0
2002	15,056	5.2	-5.6	-6.5	784	0.3	2.6	0.0
2003	14,836	5.1	-1.5	-2.3	711	0.2	-10.2	-33.3
2004	14,500	5.0	-2.3	-3.2	662	0.2	-6.9	0.0
2005	14,067	4.8	-3.0	-3.9	648	0.2	-2.1	0.0
2006	13,727	4.6	-2.4	-3.3	644	0.2	-0.6	0.0
2007	13,288	4.4	-3.2	-4.1	...	...	...	...
2008	12,904	4.2	-2.9	-3.8	...	...	...	...

¹ Official tuberculosis mortality statistics were compiled by the National Center for Health Statistics, CDC, National Vital Statistics Reports. TB mortality statistics were unavailable at time of publication for years after 2006.

² The large decrease in death rate in 1979 occurred because late effects of tuberculosis (e.g., bronchiectasis or fibrosis) and pleurisy with effusion (without mention of cause) are no longer included in tuberculosis deaths.

Percent change in tuberculosis death rates is calculated with rounded figures. See Technical Notes (page 9).

Note: 1993 to 2008 tuberculosis case counts and rates updated as of May 20, 2009, using Bridged-Race 1990–1999 Intercensal Population Estimates for 1990–1999 (ftp://ftp.cdc.gov/pub/health_statistics/nchs/datasets/nvss/bridgepop/documentationbridged-intercena1.doc) (accessed July 29, 2009) and Annual Estimates of the Population for the United States and States, and for Puerto Rico (July 1, 2000– July 1, 2008) (www.census.gov/popest/states/tables/NST-EST2008-01.xls) (accessed July 29, 2009). Percentage change results reported to one decimal. Ellipses indicate data not available. Case data after 1974 are not comparable to prior years due to changes in the surveillance case definition that became effective in 1975. See Surveillance Slides #2 and #3.

Table 2. Tuberculosis Cases, Percentages, and Case Rates per 100,000 Population by Hispanic Ethnicity and non-Hispanic Race: United States, 1993–2008

Year	Total Cases	Non-Hispanic											White	Unknown or Missing ⁶					
		Hispanic or Latino ¹		Multiple Race ²		American Indian or Alaska Native		Asian ³		Asian or Pacific Islander ⁴		Black or African American			Native Hawaiian or Other Pacific Islander ⁵				
		No.	(%) Rate	No.	(%) Rate	No.	(%) Rate	No.	(%) Rate	No.	(%) Rate	No.			(%) Rate	No.	(%) Rate	No.	(%) Rate
1993	25107	5140	(20) 19.9	...	...	271	(1) 13.9	...	...	3700	(15) 44.1	8942	(36) 28.5	...	...	6889	(27) 3.6	165	(1)
1994	24205	5017	(21) 18.6	...	...	327	(1) 16.4	...	...	3843	(16) 43.8	8370	(35) 26.2	...	...	6561	(27) 3.4	87	(0)
1995	22728	4834	(21) 17.2	...	...	320	(1) 15.7	...	...	4001	(18) 43.5	7550	(33) 23.2	...	...	5960	(26) 3.1	63	(0)
1996	21210	4492	(21) 15.2	...	...	286	(1) 13.6	...	...	3814	(18) 39.7	7092	(33) 21.5	...	...	5484	(26) 2.8	42	(0)
1997	19751	4218	(21) 13.7	...	...	264	(1) 12.3	...	...	3827	(19) 38.1	6599	(33) 19.6	...	...	4821	(24) 2.5	22	(0)
1998	18287	4090	(22) 12.6	...	...	254	(1) 11.5	...	...	3639	(20) 34.7	5816	(32) 17.0	...	...	4473	(24) 2.3	15	(0)
1999	17501	3864	(22) 11.4	...	...	243	(1) 10.7	...	...	3607	(21) 32.9	5545	(32) 16.0	...	...	4216	(24) 2.1	26	(0)
2000	16310	3803	(23) 10.7	...	...	232	(1) 11.0	...	...	3462	(21) 32.0	5146	(32) 15.0	...	...	3637	(22) 1.9	30	(0)
2001	15945	4009	(25) 10.8	...	...	227	(1) 10.6	...	...	3555	(22) 31.7	4772	(30) 13.7	...	...	3338	(21) 1.7	44	(0)
2002	15056	3974	(26) 10.3	...	...	180	(1) 8.3	...	...	3301	(22) 28.5	4319	(29) 12.3	...	...	2959	(20) 1.5	323	(2)
2003	14836	4105	(28) 10.3	37	(0) 1.0	178	(1) 8.2	3460	(23) 29.9	...	...	4161	(28) 11.8	64	(0) 16.3	2792	(19) 1.4	39	(0)
2004	14500	4182	(29) 10.2	35	(0) 0.9	157	(1) 7.1	3335	(23) 28.1	...	...	4071	(28) 11.4	63	(0) 15.7	2630	(18) 1.3	27	(0)
2005	14067	4042	(29) 9.5	45	(0) 1.1	152	(1) 6.8	3205	(23) 26.2	...	...	3959	(28) 11.0	54	(0) 13.2	2567	(18) 1.3	43	(0)
2006	13727	4051	(30) 9.2	40	(0) 1.0	164	(1) 7.2	3293	(24) 26.2	...	...	3726	(27) 10.2	52	(0) 12.4	2384	(17) 1.2	17	(0)
2007	13288	3873	(29) 8.5	23	(0) 0.5	136	(1) 5.9	3441	(26) 26.7	...	...	3468	(26) 9.4	95	(1) 22.3	2211	(17) 1.1	41	(0)
2008	12904	3798	(29) 8.1	42	(0) 0.9	139	(1) 6.0	3391	(26) 25.6	...	...	3273	(25) 8.8	69	(1) 15.9	2142	(17) 1.1	50	(0)

¹Persons of Hispanic or Latino ethnicity may be of any race or multiple race.

²Indicates two or more races reported for a person. Category first reported in 2003. Does not include persons of Hispanic or Latino origin.

³Asian race first reported in 2003.

⁴Asian or Pacific Islander race reported 1993–2002.

⁵Native Hawaiian or Other Pacific Islander race first reported in 2003.

⁶The higher count for unknown or missing race results for 2002 reflect the impact of the transitional period of incorporating new race definitions for Asian, Native Hawaiian, and Multiple Race in 2003.

Note: Previously published rates for 1993–1999 have been updated using Bridged-Race 1990–1999 Intercensal Population Estimates for 1993–1999 (<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>) (accessed June 22, 2009). Denominators for computing 2000–2008 case rates were obtained from the Annual Estimates of the Population by Sex, Race, and Hispanic or Latino Origin for the United States: April 1, 2000, to July 1, 2008 (<http://www.census.gov/popest/national/asrh/NC-EST2008/NC-EST2008-03.xls>) (accessed June 22, 2009).

Case counts for race categories (American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White) do not include persons of Hispanic ethnicity or multiple race.

Data for all years updated through May 20, 2009.

Ellipses indicate data not available.

See Technical Notes (page 9).

See Surveillance Slide #8.

Zero % (0) denotes <0.5%.

Table 3. Tuberculosis Cases, Percentages, and Case Rates per 100,000 Population by Race Only: United States, 1993–2008

Year	Total Cases		Multiple Race ¹		American Indian or Alaska Native		Asian ²		Asian or Pacific Islander ³		Black or African American		Native Hawaiian or Other Pacific Islander ⁴		White		Unknown or Missing ⁵					
	No.	(%)	No.	Rate	No.	(%)	Rate	No.	(%)	Rate	No.	(%)	Rate	No.	(%)	Rate	No.	(%)				
1993	25107	...	275	(1)	12.1	...	...	...	3743	(15)	42.5	9132	(36)	28.0	11897	(47)	5.5	60	(0)
1994	24205	...	336	(1)	14.2	...	...	...	3870	(16)	42.1	8607	(36)	25.9	11326	(47)	5.2	66	(0)
1995	22728	...	328	(1)	13.4	...	...	...	4027	(18)	41.9	7755	(34)	22.9	10549	(46)	4.8	69	(0)
1996	21210	...	292	(1)	11.5	...	...	...	3846	(18)	38.4	7286	(34)	21.2	9754	(46)	4.4	32	(0)
1997	19751	...	277	(1)	10.5	...	...	...	3864	(20)	36.9	6785	(34)	19.4	8808	(45)	3.9	17	(0)
1998	18287	...	263	(1)	9.6	...	...	...	3674	(20)	33.8	5955	(33)	16.7	8376	(46)	3.7	19	(0)
1999	17501	...	254	(1)	9.0	...	...	...	3643	(21)	32.1	5656	(32)	15.6	7909	(45)	3.5	39	(0)
2000	16310	...	241	(1)	9.0	...	...	...	3496	(21)	31.3	5266	(32)	14.7	7279	(45)	3.2	28	(0)
2001	15945	...	240	(2)	8.8	...	...	...	3591	(23)	31.1	4871	(31)	13.4	7183	(45)	3.1	60	(0)
2002	15056	...	198	(1)	7.1	...	...	...	3319	(22)	27.8	4405	(29)	12.0	6754	(45)	2.9	379	(3)
2003	14836	49	(0)	1.1	6.7	3507	(24)	29.7	4249	(29)	11.5	66	(0)	13.2	6750	(45)	2.9	27	(0)
2004	14500	44	(0)	1.0	5.8	3367	(23)	27.7	4185	(29)	11.2	64	(0)	12.5	6645	(46)	2.8	30	(0)
2005	14067	53	(0)	1.1	5.8	3250	(23)	26.0	4077	(29)	10.8	57	(0)	10.9	6431	(46)	2.7	29	(0)
2006	13727	44	(0)	0.9	5.8	3319	(24)	25.8	3850	(28)	10.1	59	(0)	11.0	6234	(45)	2.6	27	(0)
2007	13288	29	(0)	0.6	5.8	3457	(26)	26.2	3616	(27)	9.4	98	(1)	17.8	5868	(44)	2.4	43	(0)
2008	12904	47	(0)	0.9	5.4	3414	(26)	25.2	3405	(26)	8.7	78	(1)	13.9	5730	(44)	2.4	64	(0)

¹Indicates two or more races reported for a person. Category first reported in 2003.

²Asian race first reported in 2003.

³Asian or Pacific Islander race reported 1993–2002.

⁴Native Hawaiian or Other Pacific Islander race first reported in 2003.

⁵The higher count for unknown or missing race for 2002 reflect the impact of the transitional period of incorporating new race definitions for Asian, Native Hawaiian, and Multiple Race in 2003. **Note:** Previously published rates for 1993–1999 have been updated using Bridged-Race 1990–1999 Intercensal Population Estimates for 1993–1999 (<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>) (accessed June 22, 2009). Denominators for computing 2000–2008 case rates were obtained from the Annual Estimates of the Population by Sex, Race, and Hispanic or Latino Origin for the United States: April 1, 2000, to July 1, 2008 (<http://www.census.gov/popest/national/asrh/NC-EST2008-03.xls>) (accessed June 22, 2009).

Case counts for race categories (American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White) do not include persons of Hispanic ethnicity or multiple race.

Data for all years updated through May 20, 2009.

Ellipses indicate data not available.

See Technical Notes (page 9).

See Surveillance Slide #10.

Zero % (0) denotes <0.5%.

Table 4. Tuberculosis Cases, Percentages, and Case Rates per 100,000 Population by Age Group: United States, 1993–2008

Year	Total Cases	0–14			15–24			25–44			45–64			≥65			Unk. ¹	
		No.	(%)	Rate	No.	(%)	Rate	No.	(%)	Rate	No.	(%)	Rate	No.	(%)	Rate	No.	(%)
1993	25107	1661	7	2.9	1822	7	5.0	9588	38	11.5	6197	25	12.4	5820	23	17.7	19	0
1994	24205	1659	7	2.9	1833	8	5.0	9043	37	10.7	6125	25	11.9	5539	23	16.6	6	0
1995	22728	1536	7	2.6	1698	7	4.6	8201	36	9.7	5960	26	11.3	5328	23	15.8	5	0
1996	21210	1356	6	2.3	1637	8	4.4	7564	36	8.9	5572	26	10.2	5076	24	14.9	5	0
1997	19751	1251	6	2.1	1675	8	4.5	6884	35	8.0	5277	27	9.4	4663	24	13.6	1	0
1998	18287	1077	6	1.8	1543	8	4.1	6335	35	7.4	4954	27	8.5	4377	24	12.6	1	0
1999	17501	1038	6	1.7	1518	9	3.9	6063	35	7.1	4859	28	8.1	4020	23	11.6	3	0
2000	16310	965	6	1.6	1618	10	4.1	5576	34	6.6	4636	28	7.4	3514	22	10.0	1	0
2001	15945	929	6	1.5	1597	10	4.0	5609	35	6.6	4515	28	7.0	3293	21	9.3	2	0
2002	15056	944	6	1.6	1497	10	3.7	5288	35	6.3	4182	28	6.3	3141	21	8.8	4	0
2003	14836	912	6	1.5	1573	11	3.8	5072	34	6.0	4283	29	6.2	2993	20	8.3	3	0
2004	14500	954	7	1.6	1602	11	3.9	4938	34	5.9	4194	29	5.9	2811	19	7.7	1	0
2005	14067	857	6	1.4	1542	11	3.7	4736	34	5.7	4123	29	5.7	2809	20	7.6	0	0
2006	13727	800	6	1.3	1531	11	3.6	4691	34	5.6	4042	29	5.4	2662	19	7.1	1	0
2007	13288	777	6	1.3	1581	12	3.7	4316	32	5.2	4040	30	5.3	2573	19	6.8	1	0
2008	12904	786	6	1.3	1440	11	3.4	4242	33	5.1	3935	30	5.0	2500	19	6.4	1	0

¹Includes unknown and missing.

Note: Previously published rates for 1993–1999 have been updated using Bridged-Race 1990–1999 Intercensal Population Estimates (<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>) (accessed June 22, 2009). Denominators for computing 2000–2008 case rates were obtained from the Annual Estimates of the Population by Sex and Five-Year Age Groups for the United States: April 1, 2000, to July 1, 2008 (<http://www.census.gov/popest/national/asrh/NC-EST2008/NC-EST200-03.xls>) (accessed June 22, 2009).

Data for all years updated through May 20, 2009.

See Technical Notes (page 9).

Zero % (0) denotes <0.5%.

See Surveillance Slides #5 and #6.

Table 5. Tuberculosis Cases, Percentages, and Case Rates per 100,000 Population by Origin of Birth: United States, 1993–2008

Year	Total Cases	U.S.-born Persons			Foreign-born Persons ¹			Unknown or Missing	
		No.	(%)	Rate	No.	(%)	Rate	No.	(%)
1993	25107	17422	(69)	7.4	7403	(29)	34.0	282	(1)
1994	24205	16171	(67)	6.8	7741	(32)	34.4	293	(1)
1995	22728	14647	(64)	6.1	7987	(35)	34.8	94	(0)
1996	21210	13316	(63)	5.6	7725	(36)	31.5	169	(1)
1997	19751	11879	(60)	4.9	7742	(39)	30.0	130	(1)
1998	18287	10632	(58)	4.4	7599	(42)	28.9	56	(0)
1999	17501	9806	(56)	4.0	7602	(43)	29.2	93	(1)
2000	16310	8649	(53)	3.5	7619	(47)	27.3	42	(0)
2001	15945	7870	(49)	3.2	8010	(50)	26.9	65	(0)
2002	15056	7281	(48)	2.9	7719	(51)	25.4	56	(0)
2003	14836	6863	(46)	2.7	7928	(53)	23.5	45	(0)
2004	14500	6633	(46)	2.6	7844	(54)	23.2	23	(0)
2005	14067	6311	(45)	2.5	7727	(55)	22.4	29	(0)
2006	13727	5880	(43)	2.3	7816	(57)	22.0	31	(0)
2007	13288	5498	(41)	2.1	7757	(58)	20.8	33	(0)
2008	12904	5283	(41)	2.0	7563	(59)	20.3	58	(0)

¹Includes persons born outside the United States, American Samoa, the Federated States of Micronesia, Guam, the Republic of the Marshall Islands, Midway Island, the Commonwealth of the Northern Mariana Islands, Puerto Rico, the Republic of Palau, the U.S. Virgin Islands, and U.S. minor and outlying Pacific islands.

Note: Denominators for computing rates for years 1993–1994 were obtained from Quarterly Estimates of the United States Foreign-born and Native Resident Populations: April 1, 1990–July 1, 1999, located at <http://www.census.gov/population/estimates/nation/nativity/fbt01.txt> (accessed June 22, 2009). Denominators for computing the 1995–2008 rates are based on the U.S. Census Bureau, Current Population Survey (March Supplement).

Data for all years updated through May 20, 2009.

See Technical Notes (page 9).

Zero % (0) denotes <0.5%.

See Surveillance Slides #11, #12, #15, and #16.

Table 6. Tuberculosis Cases and Percentages Among Foreign-born Persons¹ by the Top 30 Countries² of Origin of Birth: United States, 2004–2008

Country of Origin	Year									
	2008		2007		2006		2005		2004	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
Total Cases	7563	(100)	7757	(100)	7816	(100)	7727	(100)	7844	(100)
Mexico	1,752	(23)	1,850	(24)	1,932	(25)	1,960	(25)	2,003	(26)
Philippines	855	(11)	952	(12)	861	(11)	829	(11)	830	(11)
Vietnam	582	(8)	572	(7)	629	(8)	576	(7)	622	(8)
India	596	(8)	626	(8)	548	(7)	562	(7)	561	(7)
China	398	(5)	386	(5)	371	(5)	397	(5)	351	(4)
Guatemala	247	(3)	248	(3)	230	(3)	211	(3)	190	(2)
Haiti	237	(3)	175	(2)	210	(3)	241	(3)	247	(3)
Korea, Republic of	150	(2)	155	(2)	203	(3)	176	(2)	219	(3)
Ethiopia	180	(2)	179	(2)	203	(3)	151	(2)	170	(2)
Honduras	192	(3)	181	(2)	164	(2)	165	(2)	112	(1)
Somalia	150	(2)	177	(2)	196	(3)	148	(2)	140	(2)
Peru	144	(2)	140	(2)	160	(2)	154	(2)	159	(2)
El Salvador	145	(2)	154	(2)	144	(2)	143	(2)	124	(2)
Ecuador	113	(1)	115	(1)	117	(2)	156	(2)	158	(2)
Cambodia	75	(1)	95	(1)	98	(1)	106	(1)	107	(1)
Dominican Republic	87	(1)	89	(1)	111	(1)	76	(1)	104	(1)
Pakistan	89	(1)	79	(1)	79	(1)	78	(1)	89	(1)
Lao, PDR	65	(1)	79	(1)	61	(1)	84	(1)	89	(1)
Kenya	81	(1)	68	(1)	75	(1)	66	(1)	68	(1)
Burma	112	(1)	65	(1)	41	(1)	39	(1)	41	(1)
Thailand	59	(1)	47	(1)	55	(1)	71	(1)	58	(1)
Liberia	35	(0)	47	(1)	52	(1)	64	(1)	56	(1)
Nepal	70	(1)	53	(1)	46	(1)	33	(0)	48	(1)
Columbia	43	(1)	56	(1)	45	(1)	37	(0)	68	(1)
Cuba	41	(1)	41	(1)	42	(1)	55	(1)	56	(1)
Bangladesh	55	(1)	56	(1)	41	(1)	34	(0)	38	(0)
Nigeria	49	(0)	43	(1)	38	(1)	37	(1)	52	(0)
Indonesia	28	(1)	52	(1)	43	(0)	57	(0)	37	(1)
Russia	37	(0)	41	(1)	48	(1)	43	(1)	28	(0)
Taiwan	32	(0)	38	(0)	38	(0)	37	(0)	29	(0)
All Others ³	864	(11)	898	(12)	935	(12)	941	(12)	990	(13)

¹Includes persons born outside the United States, American Samoa, the Federated States of Micronesia, Guam, the Republic of the Marshall Islands, Midway Island, the Commonwealth of the Northern Mariana Islands, Puerto Rico, the Republic of Palau, the U.S. Virgin Islands, and U.S. minor and outlying Pacific islands.

²The top 30 countries were selected based on their ranked 5-year average number of TB cases.

³Includes Not Specified for Country of Origin. Excludes missing.

Note: Zero (0) denotes <0.5%.

Data for all years updated through May 20, 2009.

Table 7. Tuberculosis Cases and Percentages Among Adult¹ Foreign-born Persons² by Country of Origin and Years in the United States Before TB Diagnosis, Top 30 Countries: United States, 2008 and 1998

Country of Origin ³	2008						1998													
	No. of Years in U.S. ⁴						No. of Years in U.S. ⁴													
	Total Cases	<1 Year	1–4 Years	≥5 Years	Unknown		Total Cases	<1 Year	1–4 Years	≥5 Years	Unknown									
No.	No.	No.	No.	No.	(%)	No.	No.	No.	No.	No.	No.	No.	No.	(%)	(%)	(%)	(%)	(%)	(%)	
Mexico	1718	206	311	1001	200	(13)	1669	221	286	853	(18)	(13)	(17)	(58)	(12)					
Philippines	838	138	125	475	100	(16)	952	213	157	433	(15)	(22)	(16)	(57)	(12)					
India	590	118	139	245	88	(20)	744	91	144	384	(24)	(12)	(19)	(42)	(15)					
Viet Nam	575	79	60	341	95	(14)	499	124	143	162	(10)	(25)	(29)	(59)	(17)					
China	394	62	60	241	31	(16)	365	55	60	209	(15)	(15)	(16)	(61)	(8)					
Guatemala	242	42	95	78	27	(17)	290	25	61	149	(39)	(9)	(21)	(32)	(11)					
Haiti	224	39	52	123	10	(17)	221	17	41	119	(16)	(8)	(19)	(55)	(4)					
Honduras	191	30	73	73	15	(16)	143	20	28	78	(38)	(14)	(20)	(38)	(8)					
Ethiopia	164	48	61	46	9	(29)	130	30	45	46	(29)	(23)	(35)	(28)	(5)					
Korea, Rep of	148	16	13	92	27	(11)	128	17	33	59	(11)	(13)	(26)	(62)	(11)					
El Salvador	145	20	37	77	11	(14)	126	13	25	71	(26)	(10)	(20)	(53)	(8)					
Peru	143	22	27	80	14	(15)	125	25	28	53	(27)	(20)	(22)	(56)	(10)					
Somalia	139	19	62	49	9	(14)	119	18	40	53	(45)	(15)	(34)	(35)	(6)					
Ecuador	113	14	33	54	12	(12)	110	3	6	70	(29)	(3)	(5)	(48)	(11)					
Burma	97	64	10	19	4	(66)	104	28	34	31	(17)	(27)	(33)	(20)	(4)					
Pakistan	87	15	16	44	12	(17)	96	3	6	65	(18)	(3)	(6)	(51)	(14)					
Dominican Republic	81	14	11	46	10	(17)	77	17	17	33	(28)	(22)	(22)	(57)	(12)					
Kenya	76	21	32	21	2	(28)	75	1	1	47	(42)	(1)	(1)	(28)	(3)					
Cambodia	75	5	11	52	7	(7)	71	16	31	9	(31)	(23)	(44)	(69)	(7)					
Nepal	67	21	30	13	3	(31)	52	24	20	5	(45)	(46)	(38)	(19)	(3)					
Laos	65	2	8	44	11	(3)	50	9	11	25	(3)	(18)	(22)	(68)	(17)					
Bangladesh	54	14	19	18	3	(26)	48	5	11	25	(35)	(10)	(23)	(33)	(6)					
Thailand	53	10	16	24	3	(19)	48	7	11	21	(30)	(15)	(23)	(45)	(3)					
Nigeria	48	14	13	18	3	(29)	41	7	15	15	(29)	(17)	(37)	(38)	(6)					
Colombia	43	2	3	30	8	(5)	41	12	7	15	(10)	(29)	(17)	(70)	(19)					
Cuba	41	4	2	33	2	(10)	38	1	3	26	(4)	(3)	(8)	(80)	(2)					
Russia	36	4	12	18	2	(11)	36	25	8	2	(33)	(69)	(22)	(50)	(6)					
Nicaragua	32	7	6	17	2	(22)	36	5	7	19	(53)	(14)	(19)	(53)	(6)					
Taiwan	32	2	6	19	5	(6)	34	4	8	11	(19)	(12)	(24)	(59)	(16)					
Brazil	28	3	11	9	5	(11)	34	2	4	15	(39)	(6)	(12)	(32)	(18)					
All Others ⁵	823	142	161	445	75	(17)	848	161	176	382	(20)	(19)	(21)	(54)	(9)					
Total	7362	1197	1515	3845	805	(16)	7350	1199	1467	3485	(16)	(16)	(20)	(47)	(11)					

¹Includes persons ≥ 15 years of age.

²Includes persons born outside the United States, American Samoa, the Federated States of Micronesia, Guam, the Republic of the Marshall Islands, Midway Island, the Commonwealth of the Northern Mariana Islands, Puerto Rico, the Republic of Palau, the U.S. Virgin Islands, and U.S. minor and outlying Pacific islands.

³Ranked by total case count.

⁴Among foreign-born persons, the number of years since arrival in the United States before diagnosis with tuberculosis.

⁵Includes Not Specified for Country of Origin. Excludes missing.

Note: Data for all years updated through May 20, 2009.

See Surveillance Slide #18

Table 8. Tuberculosis Cases and Percentages by Case Verification Criterion and Site of Disease: United States, 1993–2008

Year	Total Cases	Verification Criterion ¹								Site of Disease ⁴			
		Positive Culture		Positive Smear		Clinical Case Definition		Provider Diagnosis		Pulmonary ²		Extra-pulmonary ³	
		No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
1993	25107	20307	(81)	185	(1)	3085	(12)	1530	(6)	21158	(84)	3940	(16)
1994	24205	19506	(81)	189	(1)	2899	(12)	1611	(7)	20318	(84)	3885	(16)
1995	22728	18267	(80)	189	(1)	2727	(12)	1545	(7)	18888	(83)	3835	(17)
1996	21210	17154	(81)	131	(1)	2599	(12)	1326	(6)	17387	(82)	3814	(18)
1997	19751	15979	(81)	155	(1)	2405	(12)	1212	(6)	16239	(82)	3509	(18)
1998	18287	14790	(81)	155	(1)	2252	(12)	1090	(6)	14801	(81)	3484	(19)
1999	17501	13995	(80)	172	(1)	2101	(12)	1233	(7)	14067	(80)	3431	(20)
2000	16310	13014	(80)	148	(1)	1950	(12)	1198	(7)	13087	(80)	3211	(20)
2001	15945	12750	(80)	123	(1)	1886	(12)	1186	(7)	12724	(80)	3217	(20)
2002	15056	11976	(80)	104	(1)	1819	(12)	1157	(8)	11902	(79)	3148	(21)
2003	14836	11683	(79)	116	(1)	1783	(12)	1254	(8)	11807	(80)	3019	(20)
2004	14500	11327	(78)	79	(1)	1826	(13)	1268	(9)	11523	(79)	2973	(21)
2005	14067	10953	(78)	96	(1)	1802	(13)	1216	(9)	11132	(79)	2935	(21)
2006	13727	10744	(78)	95	(1)	1641	(12)	1247	(9)	10850	(79)	2871	(21)
2007	13288	10422	(78)	73	(1)	1470	(11)	1323	(10)	10585	(80)	2692	(20)
2008	12904	10030	(78)	65	(1)	1400	(11)	1409	(11)	10257	(80)	2638	(20)

¹Based on the public health surveillance case definition for tuberculosis: CDC. Case definitions for infectious conditions under public health surveillance. *MMWR* 1997;46(No. RR-10):40–41. See Appendix A.

²Includes cases among persons with both pulmonary and extrapulmonary disease and cases of miliary TB.

³Includes cases among persons with extrapulmonary TB disease only.

⁴Excludes missing and unknowns.

Note: See Technical Notes for a description of national TB surveillance (page 9).

Data for all years updated through May 20, 2009.

Table 9. Pulmonary Tuberculosis Cases and Percentages by Sputum Smear and Sputum Culture Results: United States, 1993–2008

Year	Total Pulmonary Cases ¹	Sputum Smear Result						Sputum Culture Result					
		Positive		Negative		Not Done or Unknown		Positive		Negative		Not Done or Unknown	
		No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
1993	21158	9429	(45)	7915	(37)	3814	(18)	14878	(70)	2814	(13)	3466	(16)
1994	20318	8964	(44)	7914	(39)	3440	(17)	14210	(70)	2807	(14)	3301	(16)
1995	18888	8093	(43)	7713	(41)	3082	(16)	13282	(70)	2626	(14)	2980	(16)
1996	17387	7454	(43)	7352	(42)	2581	(15)	12270	(71)	2559	(15)	2558	(15)
1997	16239	6935	(43)	6916	(43)	2388	(15)	11568	(71)	2259	(14)	2412	(15)
1998	14801	6624	(45)	6038	(41)	2139	(14)	10486	(71)	2138	(14)	2177	(15)
1999	14067	6275	(45)	5662	(40)	2130	(15)	9820	(70)	2097	(15)	2150	(15)
2000	13087	5884	(45)	5346	(41)	1857	(14)	9251	(71)	1948	(15)	1888	(14)
2001	12724	5651	(44)	5322	(42)	1751	(14)	8904	(70)	2010	(16)	1810	(14)
2002	11902	5440	(46)	4791	(40)	1671	(14)	8332	(70)	1838	(15)	1732	(15)
2003	11807	5371	(45)	4881	(41)	1555	(13)	8208	(70)	1981	(17)	1618	(14)
2004	11523	5276	(46)	4899	(43)	1348	(12)	8048	(70)	2055	(18)	1420	(12)
2005	11132	5138	(46)	4745	(43)	1249	(11)	7705	(69)	2088	(19)	1339	(12)
2006	10850	5140	(47)	4577	(42)	1133	(10)	7688	(71)	1958	(18)	1204	(11)
2007	10585	4893	(46)	4530	(43)	1162	(11)	7388	(70)	1963	(19)	1234	(12)
2008	10257	4742	(46)	4372	(43)	1143	(11)	7083	(69)	1937	(19)	1237	(12)

¹Includes cases among persons with both pulmonary and extrapulmonary disease and cases of miliary TB.

Note: See Technical Notes (page 9).

Data for all years updated through May 20, 2009.

Table 10. Tuberculosis Cases and Percentages, by Resistance to INH or Multidrug Resistance¹ in Persons with No Previous History of TB, by Origin of Birth: United States, 1993–2008

Year	Resistance to Isoniazid ²						Resistance to Isoniazid and Rifampin ²					
	Total Cases ^{3,4}		U.S.-born		Foreign-born ^{5,6}		Total Cases ^{3,4}		U.S.-born		Foreign-born ^{5,6}	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
1993	1399	(8.4)	804	(6.8)	579	(12.4)	407	(2.5)	301	(2.6)	103	(2.2)
1994	1360	(8.3)	711	(6.5)	635	(12.0)	353	(2.2)	238	(2.2)	110	(2.1)
1995	1174	(7.3)	555	(5.4)	618	(11.0)	254	(1.6)	169	(1.6)	85	(1.5)
1996	1137	(7.4)	495	(5.2)	639	(11.3)	207	(1.3)	105	(1.1)	101	(1.8)
1997	1079	(7.5)	435	(5.0)	640	(11.2)	155	(1.1)	76	(0.9)	79	(1.4)
1998	1013	(7.5)	367	(4.8)	644	(11.3)	132	(1.0)	55	(0.7)	76	(1.3)
1999	899	(7.1)	283	(4.0)	614	(11.0)	127	(1.0)	39	(0.6)	88	(1.6)
2000	890	(7.5)	269	(4.4)	618	(10.9)	120	(1.0)	40	(0.7)	80	(1.4)
2001	802	(7.0)	243	(4.4)	558	(9.5)	115	(1.0)	34	(0.6)	81	(1.4)
2002	825	(7.7)	205	(4.1)	619	(10.9)	132	(1.2)	35	(0.7)	97	(1.7)
2003	822	(7.7)	215	(4.5)	604	(10.4)	94	(0.9)	24	(0.5)	70	(1.2)
2004	801	(7.6)	214	(4.6)	587	(10.2)	100	(1.0)	26	(0.6)	74	(1.3)
2005	764	(7.6)	188	(4.3)	570	(10.1)	98	(1.0)	20	(0.5)	77	(1.4)
2006	771	(7.8)	172	(4.2)	597	(10.4)	101	(1.0)	18	(0.4)	83	(1.4)
2007	719	(7.5)	166	(4.3)	552	(9.6)	104	(1.1)	19	(0.5)	85	(1.5)
2008	726	(8.2)	173	(4.9)	550	(10.3)	86	(1.0)	20	(0.6)	66	(1.2)

¹Resistance to at least isoniazid and rifampin.

²Isolates may be resistant to other drugs.

³All cases were culture positive, and initial drug susceptibility testing done.

⁴Includes persons of unknown country of birth.

⁵Includes persons born outside the United States, American Samoa, the Federated States of Micronesia, Guam, the Republic of the Marshall Islands, Midway Island, the Commonwealth of the Northern Mariana Islands, Puerto Rico, the Republic of Palau, the U.S. Virgin Islands, and U.S. minor and outlying Pacific islands.

⁶Includes Not Specified for Country of Origin. Excludes missing.

Note: Data for all years updated through May 20, 2009.

Percentages are of total cases for given year with no previous history of TB, culture positive, and initial drug susceptibility testing done (total cases not shown).

More than 95% of all persons in each group had drug-susceptibility test results reported for an initial isolate.

See Surveillance Slides #19 through #22.

Table 11. Tuberculosis Cases and Percentages, by Resistance to INH or Multidrug Resistance¹ in Persons with Previous History of TB, by Origin of Birth: United States, 1993–2008

Year	Resistance to Isoniazid ²						Resistance to Isoniazid and Rifampin ²					
	Total Cases ^{3,4}		U.S.-born		Foreign-born ^{5,6}		Total Cases ^{3,4}		U.S.-born		Foreign-born ^{5,6}	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
1993	164	(16.6)	85	(12.7)	76	(25.0)	76	(7.7)	30	(4.5)	46	(15.3)
1994	176	(17.0)	81	(11.7)	94	(27.9)	74	(7.2)	35	(5.1)	38	(11.3)
1995	168	(17.5)	77	(13.0)	91	(25.1)	70	(7.3)	28	(4.7)	42	(11.6)
1996	142	(16.5)	67	(12.0)	74	(24.4)	43	(5.0)	20	(3.6)	22	(7.3)
1997	109	(14.7)	35	(7.7)	74	(25.9)	44	(5.9)	12	(2.6)	32	(11.2)
1998	98	(13.0)	38	(7.8)	60	(22.8)	23	(3.1)	6	(1.2)	17	(6.5)
1999	82	(12.3)	25	(6.5)	55	(19.4)	28	(4.2)	6	(1.6)	22	(7.8)
2000	84	(13.2)	22	(6.1)	62	(22.8)	26	(4.1)	2	(0.6)	24	(8.8)
2001	86	(13.7)	28	(8.6)	58	(19.3)	32	(5.1)	7	(2.2)	25	(8.3)
2002	80	(14.1)	23	(7.6)	57	(21.6)	26	(4.6)	3	(1.0)	23	(8.7)
2003	65	(12.5)	16	(6.4)	49	(18.1)	21	(4.0)	2	(0.8)	19	(7.0)
2004	64	(11.9)	15	(5.5)	49	(18.6)	27	(5.0)	4	(1.5)	23	(8.7)
2005	70	(13.8)	18	(7.6)	52	(19.3)	22	(4.4)	1	(0.4)	21	(7.8)
2006	67	(13.6)	9	(4.4)	57	(19.7)	21	(4.3)	1	(0.5)	20	(6.9)
2007	71	(14.3)	14	(6.8)	57	(19.7)	19	(3.8)	3	(1.4)	16	(5.5)
2008	53	(13.0)	12	(7.6)	41	(16.3)	17	(4.2)	2	(1.3)	15	(6.0)

¹Resistance to at least isoniazid and rifampin

²Isolates may be resistant to other drugs.

³All cases were culture positive, and initial drug susceptibility testing done.

⁴Includes persons of unknown country of birth.

⁵Includes persons born outside the United States, American Samoa, the Federated States of Micronesia, Guam, the Republic of the Marshall Islands, Midway Island, the Commonwealth of the Northern Mariana Islands, Puerto Rico, the Republic of Palau, the U.S. Virgin Islands, and U.S. minor and outlying Pacific islands.

⁶Includes Not Specified for Country of Origin. Excludes missing.

Note: Data for all years updated through May 20, 2009.

Percentages are of total cases for given year with previous history of TB, culture positive, and initial drug susceptibility testing done (total cases not shown). More than 95% of all persons in each group had drug-susceptibility test results reported for an initial isolate.

Table 12. Percentages of Tuberculosis Cases by Initial Drug Regimen, Use of Directly Observed Therapy (DOT), and Completion of Therapy (COT): United States, 1993–2008

Year	Initial Drug Regimen ^{1,2}				Directly Observed Therapy ³		Therapy ≤1 Year Indicated ⁴	
					DOT Only	Both DOT and Self-Administered		
	I R	IRZ	IRZ, E/S	IRZE	DOT Only	Both DOT and Self-Administered	COT ≤1 Year	COT
1993	(12.9)	(31.2)	(40.9)	(40.3)	(21.7)	(14.4)	(64.1)	(87.5)
1994	(7.0)	(23.3)	(56.3)	(55.7)	(28.1)	(20.5)	(69.0)	(87.9)
1995	(5.2)	(20.3)	(63.4)	(62.7)	(37.2)	(21.5)	(73.9)	(89.6)
1996	(4.2)	(17.5)	(67.9)	(67.3)	(42.5)	(22.4)	(76.4)	(90.5)
1997	(3.2)	(15.1)	(72.4)	(71.9)	(46.9)	(23.8)	(78.2)	(91.3)
1998	(2.6)	(12.9)	(74.7)	(74.3)	(47.6)	(26.6)	(80.6)	(92.5)
1999	(2.2)	(11.2)	(77.2)	(76.9)	(49.4)	(27.6)	(80.8)	(92.3)
2000	(2.0)	(10.4)	(78.7)	(78.5)	(52.5)	(25.8)	(81.5)	(92.6)
2001	(1.7)	(9.6)	(80.1)	(79.8)	(53.6)	(27.5)	(81.5)	(92.5)
2002	(1.8)	(8.9)	(80.5)	(80.3)	(55.3)	(27.8)	(82.1)	(92.4)
2003	(1.4)	(8.1)	(81.5)	(81.3)	(56.5)	(28.4)	(82.8)	(92.7)
2004	(1.5)	(6.3)	(82.5)	(82.4)	(58.9)	(27.7)	(82.9)	(91.8)
2005	(1.3)	(5.5)	(83.8)	(83.7)	(57.9)	(29.6)	(83.0)	(92.3)
2006	(1.2)	(4.8)	(83.3)	(83.2)	(57.5)	(30.4)	(83.5)	(92.5)
2007	(1.1)	(4.6)	(83.3)	(83.3)	...	...	...	...
2008	(0.9)	(3.5)	(83.3)	(83.2)	...	...	...	...

¹Includes persons alive at diagnosis.

²I=isoniazid; R=rifampin; Z=pyrazinamide; E=ethambutol; S=streptomycin. Excludes cases with no information on initial drug regimen; 1.11% received no initial drug therapy, 0.16% were started on one drug, and 11.03% had an initial multidrug regimen other than IR, IRZ, or IRZ,E/S.

³Includes persons alive at diagnosis with initial drug regimen of one or more drugs prescribed.

⁴Includes persons alive at diagnosis, with initial drug regimen of one or more drugs prescribed, who did not die during therapy. Excludes persons with initial isolate resistant to rifampin and pediatric (aged <15) cases with meningeal, bone or joint, or miliary disease. See **Note:** Data for all years updated through May 20, 2009.

Technical Notes for description of COT calculation (page 9).

See Surveillance Slides #26 and #27.

Table 13. Tuberculosis Cases and Percentages in Persons with HIV Test Results¹ and with HIV Coinfection by Age Group: United States, 1993–2008

Year	25–44 Years Old				All Ages			
	HIV Test Results		HIV Positive		HIV Test Results		HIV Positive	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)
1993	4377	(46)	2790	(29)	7455	(30)	3682	(15)
1994	4443	(49)	2669	(30)	7887	(33)	3601	(15)
1995	4277	(52)	2172	(26)	8179	(36)	3038	(13)
1996	4366	(58)	1856	(25)	8832	(42)	2615	(12)
1997	4142	(60)	1473	(21)	8771	(44)	2092	(11)
1998	3862	(61)	1240	(20)	8292	(45)	1831	(10)
1999	3811	(63)	1175	(19)	8420	(48)	1726	(10)
2000	3525	(63)	955	(17)	8117	(50)	1464	(9)
2001	3576	(64)	911	(16)	8095	(51)	1408	(9)
2002	3512	(66)	845	(16)	8022	(53)	1390	(9)
2003	3424	(68)	807	(16)	8118	(55)	1320	(9)
2004	3442	(70)	682	(14)	8507	(59)	1194	(8)
2005	3273	(69)	611	(13)	8226	(58)	1042	(7)
2006	3277	(70)	557	(12)	8270	(60)	961	(7)
2007	3147	(73)	488	(11)	8302	(62)	883	(7)
2008	3036	(72)	411	(10)	8010	(62)	820	(6)

¹Includes persons with positive, negative, or indeterminate HIV test results and persons from California with co-diagnosis of TB and AIDS. In California, the number of patients testing negative, indeterminate, refusing testing, not offered testing, test performed but status unknown, unknown, or missing HIV data is not reported to CDC. California has not reported AIDS test results since 2004. Rhode Island did not report HIV test results for years 1993–1997. Vermont did not report HIV test results for years 1993–2008.

Note: Data for all years updated through May 20, 2009.

See Surveillance Slides #24 and #25.

Table 14. Tuberculosis Cases and Percentages by Reason Tuberculosis Therapy Stopped: United States, 1993–2006

Year	Total Cases ¹	Completed Therapy		Moved		Lost		Refused		Died ²		Unknown ³	
	No.	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
1993	23741	18043	(76.0)	1120	(4.7)	1086	(4.6)	223	(0.9)	3053	(12.9)	216	(0.9)
1994	23051	17763	(77.1)	1194	(5.2)	739	(3.2)	183	(0.8)	2743	(11.9)	429	(1.9)
1995	21712	17285	(79.6)	969	(4.5)	566	(2.6)	156	(0.7)	2391	(11.0)	345	(1.6)
1996	20297	16510	(81.3)	783	(3.9)	520	(2.6)	156	(0.8)	1992	(9.8)	336	(1.7)
1997	18930	15654	(82.7)	667	(3.5)	435	(2.3)	119	(0.6)	1755	(9.3)	300	(1.6)
1998	17585	14763	(84.0)	534	(3.0)	400	(2.3)	104	(0.6)	1578	(9.0)	206	(1.2)
1999	16863	14219	(84.3)	456	(2.7)	356	(2.1)	104	(0.6)	1436	(8.5)	292	(1.7)
2000	15787	13400	(84.9)	408	(2.6)	392	(2.5)	112	(0.7)	1294	(8.2)	181	(1.1)
2001	15409	13203	(85.7)	376	(2.4)	364	(2.4)	98	(0.6)	1115	(7.2)	253	(1.6)
2002	14560	12436	(85.4)	335	(2.3)	365	(2.5)	86	(0.6)	1071	(7.4)	267	(1.8)
2003	14381	12393	(86.2)	312	(2.2)	361	(2.5)	84	(0.6)	992	(6.9)	239	(1.7)
2004	14077	12012	(85.3)	336	(2.4)	334	(2.4)	82	(0.6)	963	(6.8)	350	(2.5)
2005	13679	11707	(85.6)	327	(2.4)	337	(2.5)	88	(0.6)	982	(7.2)	238	(1.7)
2006	13306	11425	(85.9)	328	(2.5)	346	(2.6)	76	(0.6)	931	(7.0)	200	(1.5)

¹Includes all cases in persons reported as alive at diagnosis and taking one or more TB drugs.

²Died = died of any cause (not only TB).

³Includes cases in persons reporting reason therapy stopped = Other, Missing, or Unknown.

Note: Data for all years are updated through May 20, 2009.

Data complete through 2006 only. See Technical Notes (page 9) for details.