

Tuberculosis Annual Report 2008  
Series 1. Summary of TB Notification Statistics in 2008

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**Abstract** Annual reports of tuberculosis (TB) statistics in Japan have been compiled mainly using the output of the database obtained through the nationwide computerized tuberculosis surveillance system which has been operated since 1987. This system has been revised several times, with the latest revision conducted in 2007 when much new information was added. However, feedback of information from the system to researchers and people engaged in TB control has been inadequate. Therefore, a plan was drawn up to provide TB epidemiological statistics in Japan on “Kekkaku”: a series of about ten reports will be issued. This is the first report of the series for 2009.

The report can be summarized as follows. The TB notification (incidence) rate fell below 20 per 100,000 in 2007 and continued to decline, reaching 19.4 in 2008. However, 24,760 TB patients were newly notified in 2008. For sputum smear positive pulmonary TB, the patient count was 9,809 with an incidence rate of 7.7 per 100,000 in 2008. Since June 2007, it has been legally compulsory to notify latent TB infections (LTBI) requiring treatment; the number in 2008 was 4,832 cases.

**Key word** : Tuberculosis, Incidence rate, Trend, Sex-age specific, Monthly report, Latent TB infection, Extra-pulmonary TB

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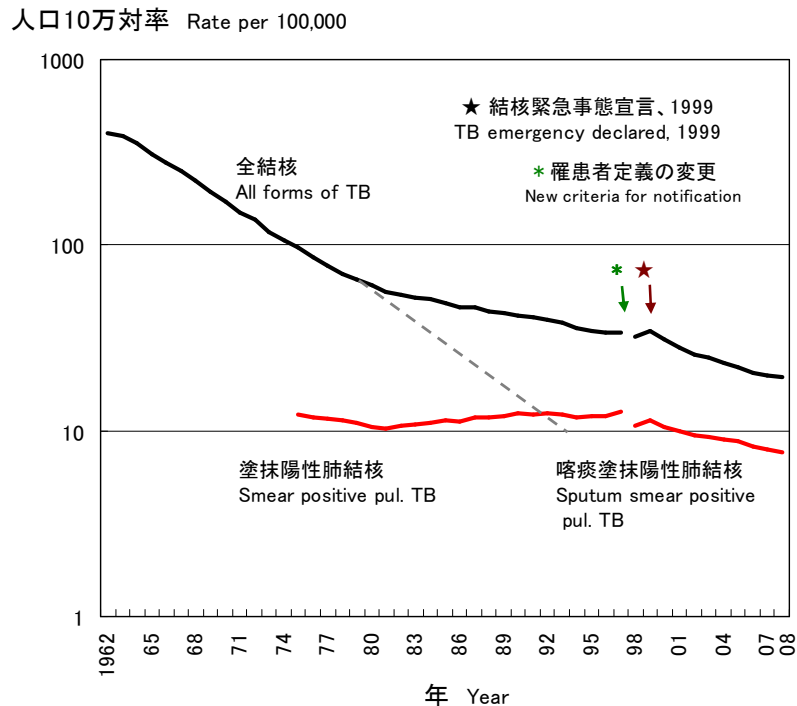


図1. 結核罹患率の推移、1962～2008年  
Figure 1. Trend of notification rate, 1962-2008

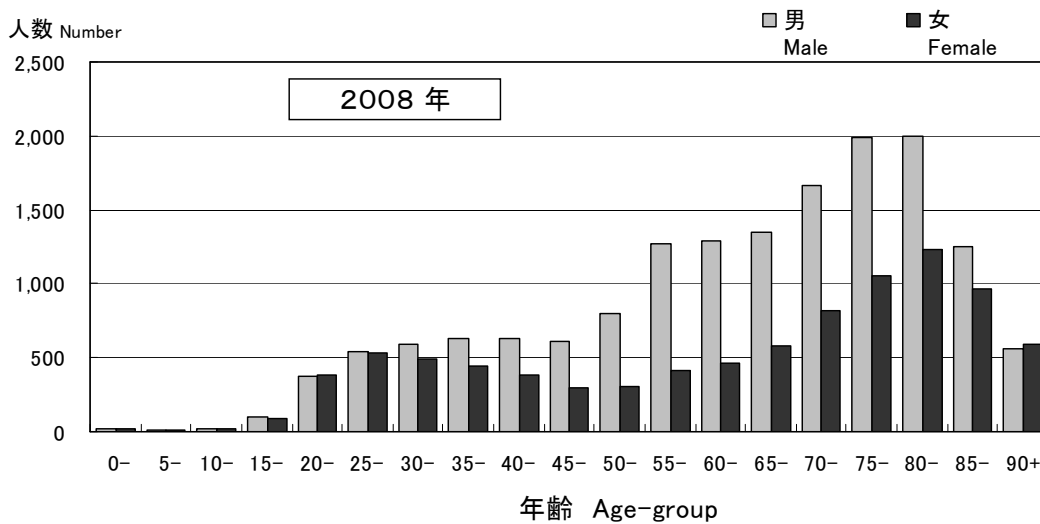
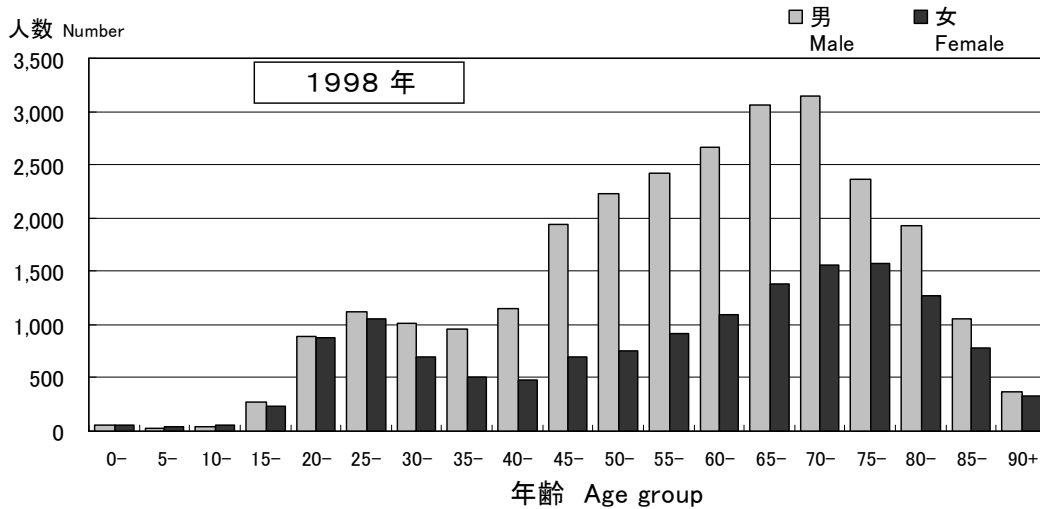


図2. 新登録結核患者数の年齢分布、性別、1998年、2008年  
 Figure 2. Age distribution of newly notified TB patients by sex, 1998, 2008

表1 新登録結核患者数罹患率2006-2008年  
 Table 1 Number and rate of newly notified TB patients by age group, 2006-2008

年齢 Age group	新登録患者数 Notified patients			喀痰塗抹陽性肺結核患者数 Sputum smear pos. pulmonary patients			罹患率* Notification rate*			喀痰塗抹陽性罹患率* Sputum smear pos. pulmonary rate*		
	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008
総数 Total	26,384	25,311	24,760	10,492	10,204	9,809	20.6	19.8	19.4	8.2	8.0	7.7
0-14	85	92	95	6	4	3	0.5	0.5	0.6	0.0	0.0	0.0
15-19	214	201	191	53	52	55	3.3	3.2	3.1	0.8	0.8	0.9
20-29	2,069	1,924	1,823	608	580	485	13.5	12.8	12.4	4.0	3.9	3.3
30-39	2,417	2,308	2,152	781	768	713	12.8	12.3	11.6	4.1	4.1	3.8
40-49	2,037	1,935	1,917	785	767	722	13.0	12.1	11.8	5.0	4.8	4.5
50-59	3,336	3,035	2,784	1,431	1,270	1,216	17.3	16.4	15.8	7.4	6.9	6.9
60-69	3,837	3,694	3,689	1,570	1,504	1,430	24.3	22.6	21.7	10.0	9.2	8.4
70-79	6,109	5,659	5,524	2,458	2,299	2,231	50.0	45.3	43.6	20.1	18.4	17.6
80-89	5,150	5,342	5,435	2,296	2,465	2,420	92.0	90.3	87.2	41.0	41.7	38.8
90+	1,130	1,121	1,150	504	495	534	97.9	91.7	89.8	43.7	40.5	41.7

\* 人口10万対率 Rate per 100,000 population

表2 新登録結核患者数および潜在性結核感染症治療者数、2008年  
Table 2 Newly notified cases by calendar month, 2008

歴月 Calendar month	活動性結核 Active tuberculosis								(別掲) 潜在性結核感染症 治療中 LTBI* on treatment
	総数 All active TB	肺結核活動性 Active pulmonary TB						肺外結核活動性 Extra-pulmonary	
		総数 All active pulmonary	喀痰塗抹陽性 Sputum smear(+)		その他の結核菌陽性 Other bacillary(+)	菌陰性・その他 Bacillary(-), unknown			
			総数 All sputum smear(+)	初回治療 New			再治療 Retreatment		
総数 Total	24,760	19,393	9,809	8,995	814	6,073	3,511	5,367	4,832
1月 Jan.	1,798	1,414	731	659	72	450	233	384	294
2月 Feb.	1,991	1,582	801	724	77	502	279	409	295
3月 Mar.	1,954	1,516	769	717	52	458	289	438	312
4月 Apr.	2,055	1,601	808	744	64	506	287	454	359
5月 May	2,133	1,628	818	741	77	519	291	505	385
6月 Jun.	2,180	1,709	863	798	65	519	327	471	529
7月 Jul.	2,331	1,812	930	856	74	558	324	519	474
8月 Aug.	2,119	1,671	842	775	67	545	284	448	464
9月 Sep.	2,082	1,661	885	821	64	486	290	421	433
10月 Oct.	2,225	1,732	908	816	92	541	283	493	554
11月 Nov.	1,834	1,423	687	641	46	461	275	411	332
12月 Dec.	2,058	1,644	767	703	64	528	349	414	401

\* LTBI: Latent TB infection. These are not included in the number of active tuberculosis.

表3. 新登録潜在性結核感染症治療対象者数、2007-2008年  
Table 3. Newly notified latent TB infection treatment cases, 2007-2008

年齢 Age group	2007年					2008年				
	総数 Total	性 Sex		年齢(%) Age (%)	女/男 Ratio of F/M	総数 Total	性 Sex		年齢(%) Age (%)	女/男 Ratio of F/M
		男 Male	女 Female				男 Male	女 Female		
総数 Total	2,959	1,321	1,638	100%	1.2	4,832	2,215	2,617	100%	1.2
0-4	617	318	299	20.9	0.9	555	279	276	11.5	1.0
5-9	217	113	104	7.3	0.9	240	104	136	5.0	1.3
10-14	217	103	114	7.3	1.1	209	98	111	4.3	1.1
15-19	300	125	175	10.1	1.4	255	121	134	5.3	1.1
20-24	380	153	227	12.8	1.5	391	157	234	8.1	1.5
25-29	468	181	287	15.8	1.6	474	207	267	9.8	1.3
30-34	177	78	99	6.0	1.3	510	215	295	10.6	1.4
35-39	148	66	82	5.0	1.2	519	239	280	10.7	1.2
40-44	122	56	66	4.1	1.2	452	198	254	9.4	1.3
45-49	112	42	70	3.8	1.7	441	198	243	9.1	1.2
50-54	52	21	31	1.8	1.5	264	135	129	5.5	1.0
55-59	59	22	37	2.0	1.7	232	112	120	4.8	1.1
60-64	34	22	12	1.1	0.5	105	50	55	2.2	1.1
65-69	19	7	12	0.6	1.7	67	38	29	1.4	0.8
70+	37	14	23	1.3	1.6	118	64	54	2.4	0.8

Table 4 Newly notified TB patients by affected organ, sex and age group, 1998-2009

Sex, Age-group, 2008	All forms	Pulmonary				Extra-pulmonary															
		Lung	Bronchial	Pharyngeal/Laryngeal	Miliary	Pleural	Empyema	Hilar node	Other lymph node	Meningeal	Intestinal	Vertebral	Other joint/bone	Renal/Urinary tract	Genital	Cutaneous	Ocular	Auricular	Peritoneal	Pericardial	Others
Total	24,170	19,278	121	36	604	3,940	63	73	1,221	162	321	241	182	100	23	121	26	22	168	88	179
Male	15,003	12,393	43	19	211	2,770	39	38	391	82	132	98	73	46	15	45	11	9	78	67	93
Female	9,167	6,885	78	17	393	1,170	24	35	830	80	189	143	109	54	8	76	15	13	90	21	86
0-14	73	50			4	3		11	4	1			5	1					1		
15-19	204	187	1	1	1	16		1	14	2	1	2		1		2					
20-29	1,699	1,470	9	1	6	200		9	101	6	13	5	2	1		4	1	3	13	1	7
30-39	2,100	1,755	12	3	26	277	1	10	140	16	23	11	11	4	3	8	5	1	16	4	12
40-49	1,847	1,555	10	4	25	232	3	7	111	14	18	11	4	5	1	8	5	1	7	3	10
50-59	2,476	2,049	10	4	38	305	9	5	114	15	47	11	12	18	2	9	8	3	14	9	22
60-69	3,650	2,880	23	10	68	509	4	13	233	24	81	50	26	22	6	19	2	2	29	10	31
70-79	5,148	3,839	37	8	164	947	20	10	294	43	87	84	51	27	9	29	2	4	52	34	48
80-89	5,700	4,470	16	4	216	1,157	25	6	198	35	48	60	61	19	2	35	3	5	29	24	43
90+	1,273	1,023	3	1	56	294	1	1	12	6	3	7	10	2		7		2	8	3	6
Year	Total																				
1998	41,033	33,981	-	-	505	5,125	251	136	1,469	154	335	385	328	227	78	100	12	25	-	-	692
1999	43,818	36,190	-	-	603	5,586	221	143	1,538	163	345	334	300	179	96	94	13	28	-	-	684
2000	39,384	32,338	-	-	597	5,108	202	123	1,432	158	356	319	272	181	72	123	16	38	-	-	656
2001	35,489	28,868	-	-	642	4,840	162	102	1,368	177	275	276	274	172	72	104	11	25	-	-	619
2002	32,828	26,472	-	-	626	4,666	152	84	1,269	188	323	299	222	148	66	100	19	29	-	-	544
2003	31,638	25,478	-	-	639	4,539	142	83	1,341	149	276	268	223	144	47	87	15	28	-	-	570
2004	29,736	23,829	-	-	617	4,491	125	70	1,293	160	299	275	220	112	53	95	13	30	-	-	564
2005	28,319	22,655	-	-	585	4,338	115	88	1,151	180	296	233	201	130	37	98	11	33	-	-	536
2006	26,384	20,856	-	-	616	4,192	97	79	1,191	127	263	248	231	112	40	109	9	24	-	-	554
2007	25,311	20,264	108	31	602	4,134	75	57	1,186	153	328	232	190	108	34	92	19	18	92	61	281
2008	24,760	19,780	117	43	570	4,001	78	68	1,194	171	292	273	170	121	34	92	13	29	144	80	181
2009	24,170	19,278	121	36	604	3,940	63	73	1,221	162	321	241	182	100	23	121	26	22	168	88	179

Note: Cases having multiple organs are counted independently.