

Fig. 1 Trend of childhood tuberculosis notification rates, per 100,000 population, 1962-2013

Table 1 Number and rates of childhood tuberculosis patients and specific extra-pulmonary tuberculosis, 1965–2013

Year	Newly notified tuberculosis aged 0–14 yrs		No. of meningeal tuberculosis		No. of miliary tuberculosis	
	Number	Rate	0–14 yrs	0–4 yrs (Rate)	0–14 yrs	0–4 yrs (Rate)
1965	44,180	175.6	—	—	—	—
1970	18,197	73.4	—	—	—	—
1975	4,905	18.0	28	22 (0.221)	—	—
1980	1,893	6.9	22	14 (0.164)	—	—
1985	1,088	4.2	—	—	—	—
1990	518	2.3	9	4 (0.061)	10	8 (0.122)
1995	340	1.7	8	8 (0.136)	8	8 (0.136)
2000	220	1.2	7	4 (0.069)	3	3 (0.052)
2005	117	0.67	3	1 (0.018)	3	1 (0.018)
2006	85	0.49	0	0	1	1 (0.018)
2007	92	0.53	0	0	0	0
2008	95	0.55	0	0	1	1 (0.019)
2009	73	0.43	1	1 (0.019)	4	3 (0.056)
2010	89	0.53	0	0	0	0
2011	84	0.50	1	0	2	1(0.019)
2012	63	0.38	1	1(0.019)	0	0
2013	66	0.40	2	2(0.038)	0	0

Extra-pulmonary tuberculosis: Cases are counted independently.

Rate: per 100,000

—: Not available

Table 2 Number of newly notified childhood tuberculosis patients by age and mode of detection, 2013

	Age (yrs)														Total	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13		14
School mass-investigation	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	4
Family contact investigation	2	3	4	3	5	2	3	1	0	2	1	1	3	0	3	33
Other contact investigation	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2
At clinics/hospitals (with symptoms)	2	1	1	1	1	1	0	1	1	1	1	1	2	2	4	20
Others	3	0	0	0	1	0	0	0	0	0	1	1	1	0	0	7
Total	7	4	5	4	7	3	3	2	1	5	3	4	7	3	8	66

Table 3 Proportion of BCG vaccinated cases among newly notified childhood tuberculosis patients and LTBI cases, 2013

	Age in years										0-4	5-9	10-14	Total	
	Age in months					0	1	2	3	4					Total
	0-2	3-5	6-8	9-11	Total										
Tuberculosis cases	2	4	0	1	7	4	5	4	7	27	14	25	66		
BCG vaccinated	0	0	0	1	1	2	2	3	5	13	5	8	26		
BCG not vaccinated	2	3	0	0	5	0	0	0	1	6	2	2	10		
BCG unknown	0	1	0	0	1	2	3	1	1	8	7	15	30		
BCG vaccinated (%)*	0.0	0.0	-	100.0	16.7	100.0	100.0	100.0	83.3	68.4	71.4	80.0	72.2		
LTBI	28	75	111	37	251	66	67	65	44	493	163	202	858		
BCG vaccinated	0	21	59	28	108	46	47	46	29	276	100	117	493		
BCG not vaccinated	24	27	15	1	67	2	0	0	0	69	1	9	79		
BCG unknown	4	27	37	8	76	18	20	19	15	148	62	76	286		
BCG vaccinated (%)*	0.0	43.8	79.7	96.6	61.7	95.8	100.0	100.0	100.0	80.0	99.0	92.9	86.2		

LTBI : Latent Tuberculosis Infection

*%: Proportion of BCG vaccinated cases among all TB/LTBI cases excluding BCG unknown

Previous table Trend of newly notified childhood TB patients by age and calendar year, 1998–2013

Year	Age (yrs)															Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1998	31	39	15	18	16	12	18	14	13	10	7	7	29	18	27	274
1999	43	35	24	23	9	10	15	8	7	10	8	9	27	27	25	280
2000	29	27	19	14	14	8	10	13	5	7	14	11	21	12	16	220
2001	27	18	14	9	7	4	14	11	11	8	8	4	23	18	19	195
2002	30	21	14	12	3	9	8	5	6	6	2	3	14	15	7	155
2003	23	15	17	5	12	9	5	4	1	5	4	3	4	10	10	127
2004	20	18	9	5	10	5	2	3	5	4	3	4	12	6	11	117
2005	23	11	5	13	4	4	3	7	5	3	6	5	7	13	8	117
2006	9	6	8	6	6	6	3	3	2	4	3	4	3	13	9	85
2007	21	5	7	12	2	6	5	2	4	2	2	4	4	7	9	92
2008	11	14	11	4	1	2	6	2	5	8	2	5	7	8	9	95
2009	15	8	6	3	2	4	4	1	3	1	6	1	5	8	6	73
2010	10	6	5	5	4	6	6	8	3	3	5	4	4	7	13	89
2011	5	7	6	7	8	3	7	3	3	4	6	4	5	5	11	84
2012	8	6	6	7	3	2	2	3	1	4	3	2	3	7	6	63
2013	7	4	5	4	7	3	3	2	1	5	3	4	7	3	8	66

School mass-examination was revised in 2003.

Upper-limitation age of BCG vaccination was changed from 4 years to 6 months, with introduction of direct vaccination policy in 2005.

Previous table Number of prefectures by number of childhood TB patients, 1980–2013

Year	Number of childhood TB patients							Total
	0	1	2~4	5~9	10~14	15~19	20+(cases)	
1980	0	0	1	6	7	4	29	47
1985	0	0	5	11	10	2	19	47
1990	0	3	13	11	8	2	10	47
1995	3	6	14	13	4	2	5	47
2000	9	8	13	10	3	1	3	47
2005	17	8	13	7	2	0	0	47
2006	19	13	8	6	1	0	0	47
2007	17	12	11	5	2	0	0	47
2008	14	12	16	4	1	0	0	47
2009	27	6	8	4	2	0	0	47
2010	15	14	14	3	0	0	1	47
2011	19	11	12	4	0	0	1	47
2012	22	11	11	3	0	0	0	47
2013	19	14	9	5	0	0	0	47

【Elderly】

Number of all elderly tuberculosis patients

Number of tuberculosis patients by age group

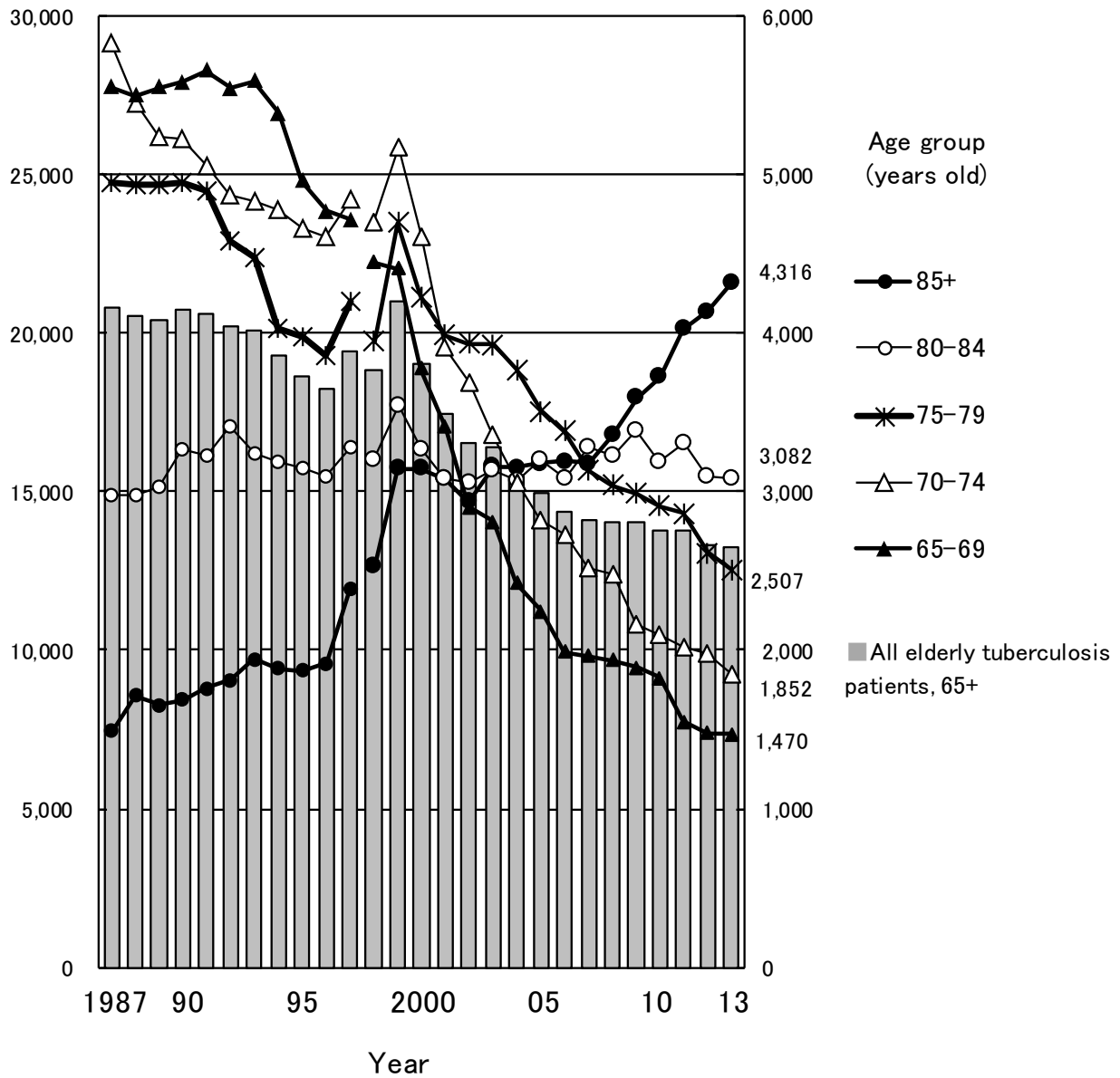


Fig.2 Annual trend of the number of newly notified elderly tuberculosis patients by age group, 1987-2013

Note: New criteria for tuberculosis notification have been applied since 1998.

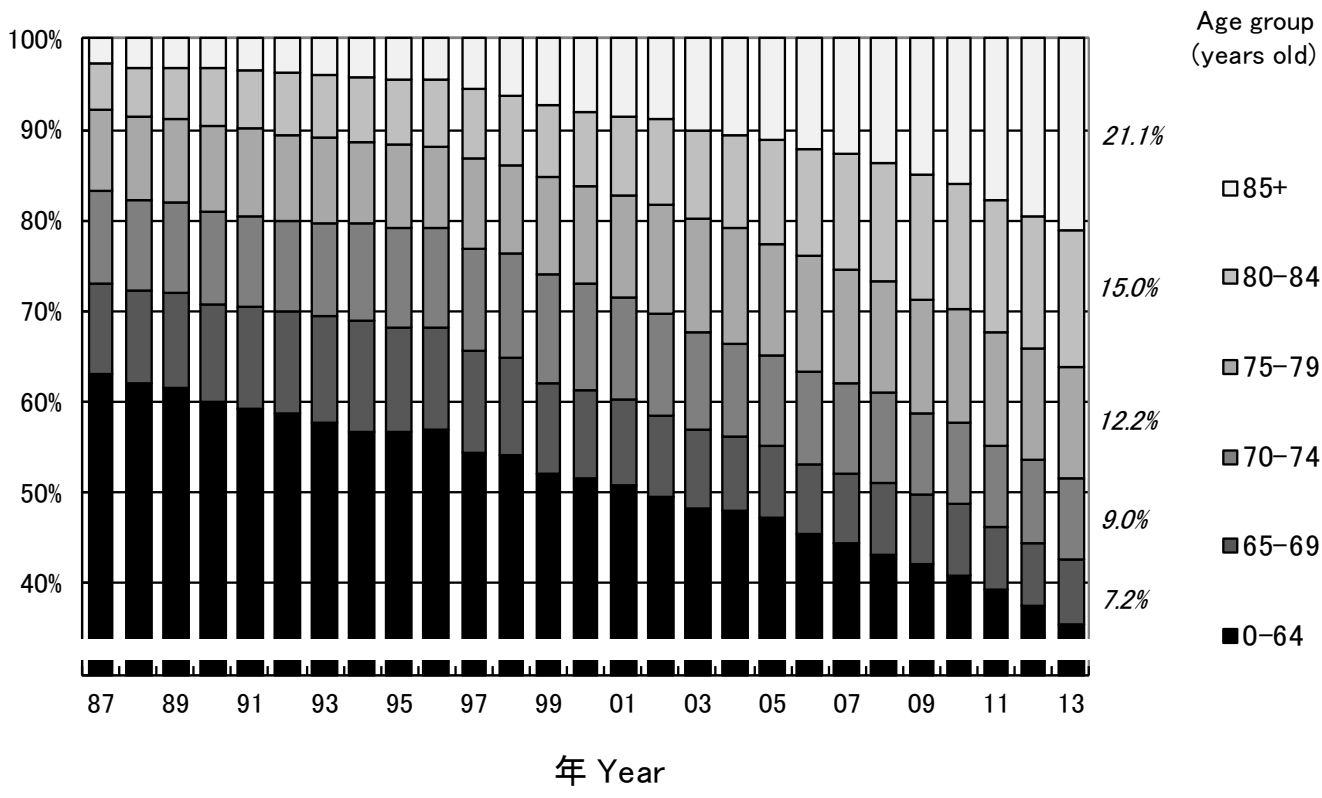


Fig.3 Annual trend of the proportion of elderly tuberculosis patients among all newly notified tuberculosis patients, 1987-2013

per 100,000 population

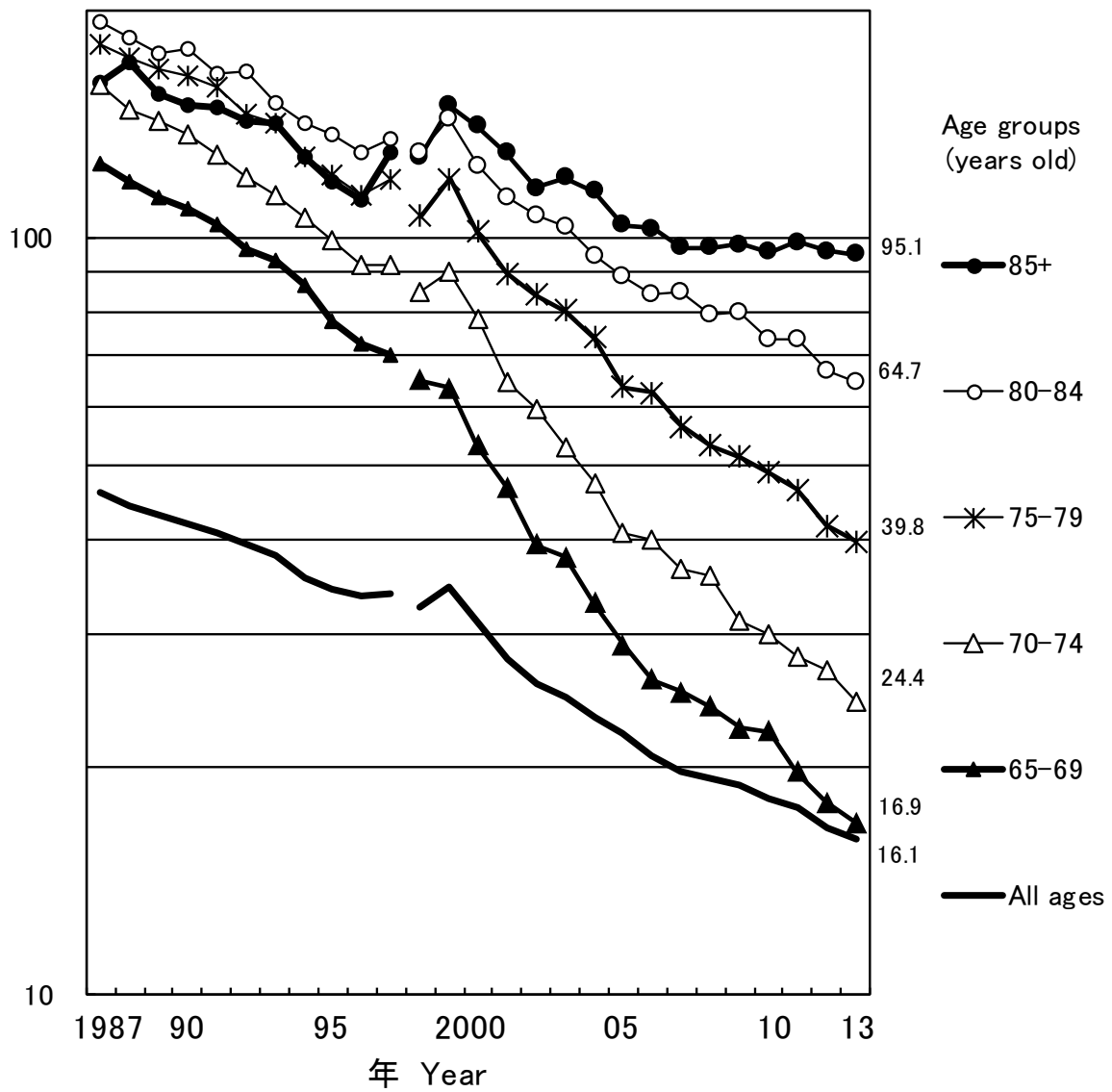


Fig.4 Annual trend of elderly tuberculosis notification rates (per 100,000 population) among the elderly population, by age group, all forms, 1987-2013

Note: New criteria for tuberculosis notification have been applied since 1998.

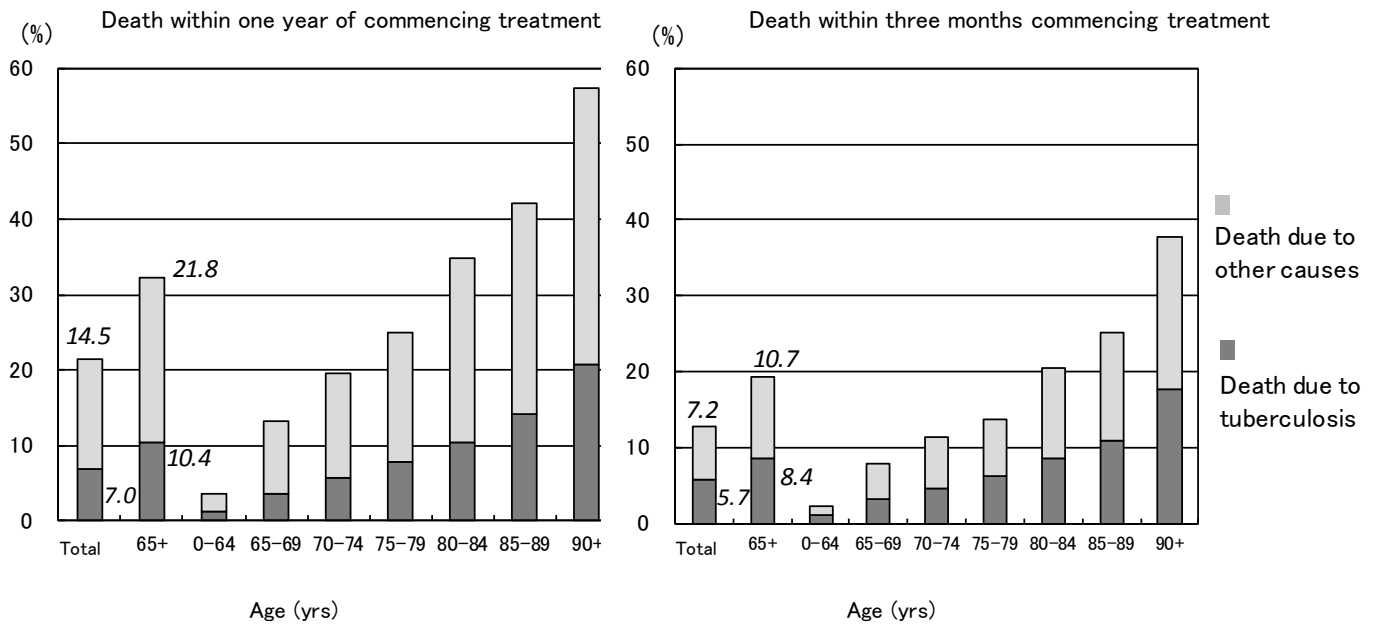


Fig.5 Proportion of death among newly notified tuberculosis patients in 2012 by age group, cause of death and duration till death

* The date when tuberculosis diagnosis was made was used as the date treatment was commenced for those who died before the start of treatment.

Table 4 Comparison of epidemiological indicators of newly notified tuberculosis patients by sex and age group, 2013

		All ages	Age group (years old)					
			Youth and middle-aged	The elderly				
				15-64	all 65+	65-74	75-84	85+
Number of newly notified tuberculosis patients (all forms, n)	Total	20,495	7,202	13,227	3,322	5,589	4,316	
	Male	12,504	4,498	7,975	2,247	3,431	2,297	
	Female	7,991	2,704	5,252	1,075	2,158	2,019	
Tuberculosis notification rate (all forms, per 100,000 population)	Total	16.1	9.1	41.5	20.4	50.5	95.1	
	Male	20.2	11.3	58.2	29.1	73.6	173.7	
	Female	12.2	6.9	28.9	12.5	33.7	62.8	
Number of newly notified extra-pulmonary tuberculosis patients (n)	Total	4,523	1,230	3,272	817	1,443	1,012	
	Male	2,347	648	1,687	440	777	470	
	Female	2,176	582	1,585	377	666	542	
Proportion of extra-pulmonary tuberculosis patients among newly notified tuberculosis patients (%)	Total	22.1	17.1	24.7	24.6	25.8	23.4	
	Male	18.8	14.4	21.2	19.6	22.6	20.5	
	Female	27.2	21.5	30.2	35.1	30.9	26.8	
Number of newly notified pulmonary tuberculosis patients (n)	Total	15,972	5,972	9,955	2,505	4,146	3,304	
	Male	10,157	3,850	6,288	1,807	2,654	1,827	
	Female	5,815	2,122	3,667	698	1,492	1,477	
Proportion of pulmonary tuberculosis patients among newly notified tuberculosis patients (%)	Total	77.9	82.9	75.3	75.4	74.2	76.6	
	Male	81.2	85.6	78.8	80.4	77.4	79.5	
	Female	72.8	78.5	69.8	64.9	69.1	73.2	
Proportion of bacteriologically positive tuberculosis patients among all pulmonary tuberculosis patients (%)	Total	85.1	77.5	89.9	84.8	89.9	93.7	
	Male	85.9	79.9	89.7	85.9	89.6	93.5	
	Female	83.7	73.0	90.3	81.8	90.5	94.0	
Proportion of sputum-smear positive pulmonary tuberculosis patients among all pulmonary tuberculosis patients (%)	Total	50.8	43.3	55.6	49.9	55.2	60.4	
	Male	52.6	47.6	55.9	51.7	55.8	60.1	
	Female	47.7	35.4	55.2	45.3	54.2	60.8	
Proportion of cavitory pulmonary tuberculosis patients among all pulmonary tuberculosis patients (%)	Total	31.2	35.0	29.1	33.8	28.8	25.8	
	Male	35.1	40.4	31.9	37.1	31.4	27.6	
	Female	24.5	25.4	24.2	25.2	24.3	23.6	
Proportion of far-advanced cavitory pulmonary tuberculosis patients among all pulmonary tuberculosis patients (%)	Total	1.9	2.6	1.4	2.0	1.3	1.2	
	Male	2.3	3.4	1.6	2.4	1.3	1.2	
	Female	1.2	1.1	1.2	1.1	1.3	1.2	
Proportion of symptomatic pulmonary tuberculosis patients upon diagnosis among all pulmonary tuberculosis patients (%)	Total	74.7	64.6	81.0	75.0	80.4	86.2	
	Male	75.1	66.4	80.5	74.7	80.8	85.8	
	Female	74.1	61.3	81.8	75.8	79.8	86.7	
Proportion of pulmonary tuberculosis patients with only symptoms other than respiratory symptoms among symptomatic pulmonary tuberculosis patients (%)	Total	23.8	18.0	26.5	21.6	26.1	30.3	
	Male	22.2	17.1	24.8	20.8	25.8	27.0	
	Female	26.5	19.8	29.4	23.6	26.7	34.3	
Proportion of patient delay of two months or more among symptomatic pulmonary tuberculosis patients (%)*	Total	18.1	25.6	14.2	19.5	12.7	12.3	
	Male	18.1	26.1	13.7	18.1	12.5	11.5	
	Female	18.0	24.7	15.0	23.1	13.0	13.3	
Proportion of doctor delay of one month or more among symptomatic pulmonary tuberculosis patients (%)*	Total	22.1	20.3	23.0	25.1	24.0	20.3	
	Male	20.4	17.3	22.0	22.9	23.3	19.3	
	Female	25.1	26.1	24.7	31.0	25.3	21.5	
Proportion of total delay of three months or more among symptomatic pulmonary tuberculosis patients (%)*	Total	18.7	25.7	15.2	21.5	14.4	11.8	
	Male	17.9	24.1	14.6	19.8	13.7	11.1	
	Female	20.2	28.9	16.2	25.7	15.7	12.5	
Proportion of tuberculosis patients detected as out-patient from other diseases among newly notified tuberculosis patients (%)	Total	11.3	5.8	14.3	17.0	15.4	10.8	
	Male	11.7	6.0	15.0	16.3	16.3	11.7	
	Female	10.5	5.5	13.2	18.4	13.9	9.7	
Proportion of tuberculosis patients detected as in-patient from other diseases among newly notified tuberculosis patients (%)	Total	13.4	4.9	18.1	13.1	18.0	22.1	
	Male	13.2	5.5	17.5	13.8	17.4	21.4	
	Female	13.8	3.9	18.9	11.7	18.9	22.8	

Subjects: * Excluding the patients of unknown delays

Previous table Number and proportion of elderly TB by prefecture and city, 2013

65+ (yrs)			85+ (yrs)		
Area	<i>n</i>	%	Area	<i>n</i>	%
Japan	13,227	64.5	Japan	4,316	21.1
Akita	90	83.3	Akita	48	44.4
Yamanshi	54	83.1	Kagawa	64	36.2
Kumamoto city	79	82.3	Niigata city	29	35.8
Shizuoka city	92	82.1	Shizuoka city	39	34.8
Shimane	90	81.8	Yamanshi	22	33.8
Miyazaki	126	80.3	Shimane	37	33.6
Kagawa	142	80.2	Kochi	36	33.0
Hokkaido	292	80.0	Nagano	63	32.5
Wakayama	161	79.7	Saga	48	32.2
Niigata	149	79.3	Yamaguchi	72	31.7
Sapporo city	147	78.2	Kumamoto	57	31.5
Kumamoto	141	77.9	Kagoshima	80	30.7
Saga	115	77.2	Toyama	46	30.3
Toyama	117	77.0	Shiga	55	30.2
Hiroshima	187	75.7	Gifu	113	30.1
Osaka city	603	57.0	Osaka	172	16.3
Tokyo	362	56.8	Saitama city	30	15.8
Yokohama city	309	55.8	Saitama	132	15.3
Saitama city	104	54.7	Yokohama city	85	15.3
Chiba	412	53.4	Tokyo 23wards	288	14.2
Sagamihara city	58	53.2	Osaka city	143	13.5
Saitama	449	52.2	Kawasaki city	36	13.3
Chiba city	74	49.7	Chiba	100	13.0
Tokyo 23wards	1,008	49.6	Chiba city	15	10.1
Kawasaki city	127	47.0	Sagamihara city	10	9.2

Descending order by proportion of elderly TB patients