

【Summary】

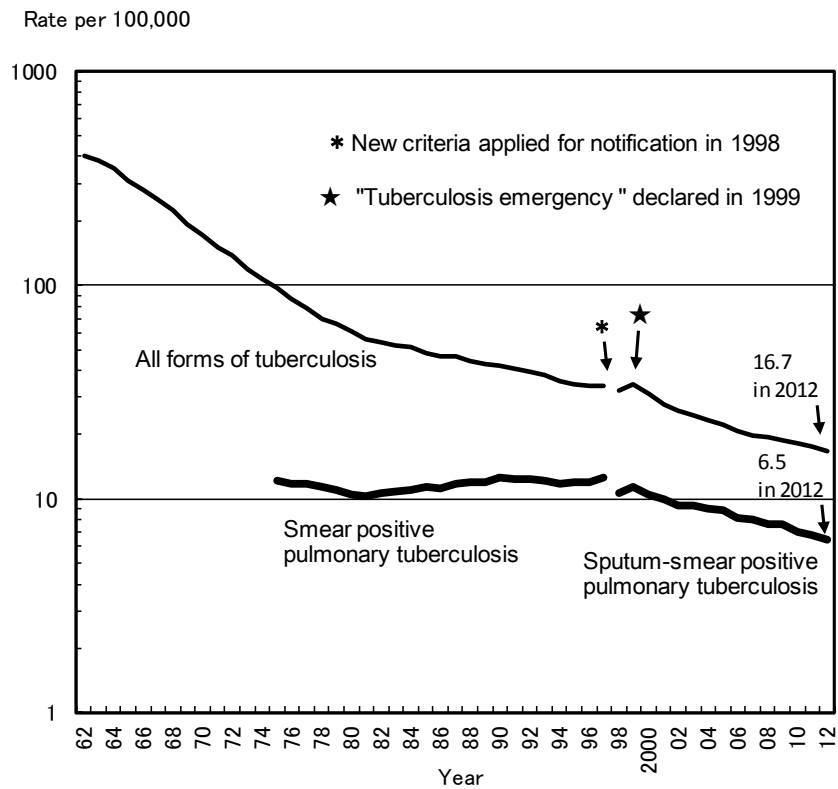


Fig. 1 Annual trend of tuberculosis notification rate (all forms, sputum-smear positive pulmonary tuberculosis) per 100,000 population in Japan, 1962-2012

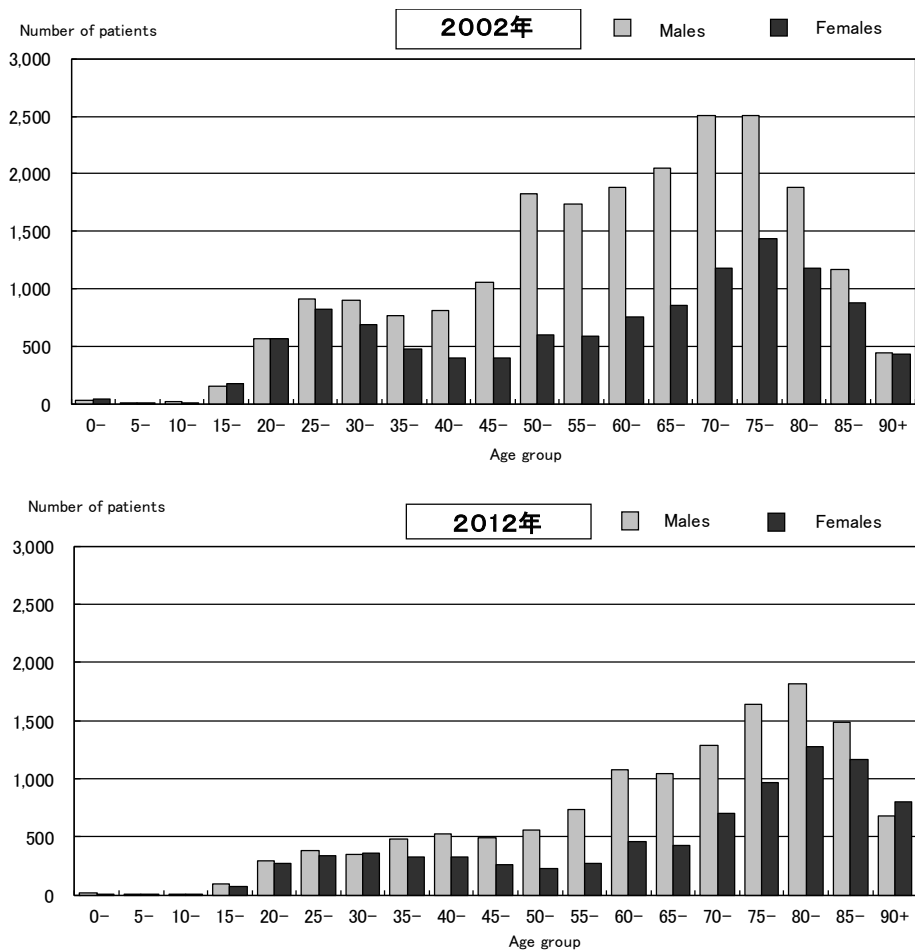


Fig. 2 Age distribution of newly notified tuberculosis patients by sex in Japan, in 2002 and in 2012

Table 1 Number of newly notified tuberculosis patients (all forms, new and re-treatment, pulmonary and extra-pulmonary), by age group, in Japan, 2010-2012

Age group	Tuberculosis notifications, all forms (*1)			Tuberculosis notification rates, all forms (*2)			New tuberculosis												Re-treatment tuberculosis																	
							Pulmonary tuberculosis						Extra-pulmonary tuberculosis						Pulmonary tuberculosis						Extra-pulmonary tuberculosis											
							Sputum-smear positive			Sputum-smear negative			Bacteriological test results unknown			Extra-pulmonary tuberculosis			Sputum-smear positive			Sputum-smear negative			Bacteriological test results unknown			Extra-pulmonary tuberculosis								
										Other bacteriologically positive	Other sputum-smear negative											Other bacteriologically positive	Other sputum-smear negative													
2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012	
Total	23,261	22,681	21,283	18.2	17.7	16.7	8,237	7,937	7,663	5,866	5,363	5,350	2,544	2,619	2,132	220	249	193	4,632	4,826	4,609	782	717	574	412	408	336	237	204	162	30	22	22	301	336	242
0-14	89	84	63	0.5	0.5	0.4	7	5	4	15	12	4	33	32	30	6	9	6	24	22	16	0	0	1	0	0	0	2	3	1	1	0	0	1	1	1
15-19	251	157	165	4.2	2.6	2.7	58	42	38	73	49	40	71	35	46	6	8	4	30	15	23	2	3	2	3	0	5	2	2	4	2	2	2	4	1	1
20-29	1,536	1,417	1,288	10.9	10.4	9.7	374	347	320	500	426	387	346	358	304	29	33	23	209	189	188	15	13	17	20	18	18	21	14	16	6	3	2	16	16	13
30-39	1,921	1,718	1,528	10.7	9.6	8.9	567	494	423	540	427	439	396	408	310	30	27	19	296	270	258	29	26	25	15	20	19	17	12	14	3	1	2	28	33	19
40-49	1,764	1,820	1,600	10.6	10.5	9.1	568	592	514	486	442	428	285	323	244	25	24	22	276	338	286	48	33	41	27	25	28	18	14	13	5	4	1	26	25	23
50-59	2,171	2,049	1,795	13.4	12.8	11.5	784	771	631	585	472	462	282	296	239	18	38	23	335	344	323	75	48	49	33	35	28	35	25	21	2	3	3	22	17	16
60-69	3,610	3,232	3,012	19.9	17.5	16.3	1,262	1,134	1,083	863	709	742	386	402	306	35	34	38	759	685	644	127	107	78	62	65	55	59	47	33	4	3	5	53	46	28
70-79	5,000	4,875	4,595	38.8	36.6	33.7	1,800	1,649	1,657	1,173	1,125	1,082	405	402	333	41	40	33	1,161	1,254	1,163	194	168	144	107	103	80	46	52	27	4	5	5	69	77	71
80-89	5,623	5,897	5,753	82.6	82.8	77.6	2,271	2,286	2,339	1,301	1,361	1,400	297	302	261	28	35	23	1,241	1,375	1,357	250	278	193	128	120	87	34	30	28	3	0	2	70	110	63
90+	1,296	1,432	1,484	91.8	99.1	97.1	546	617	654	330	340	366	43	61	59	2	1	2	301	334	351	42	41	24	17	22	16	3	5	5	0	1	0	12	10	7

\*1: "All forms" include new and retreatment tuberculosis patients.

\*2: Rate per 100,000 population.

Table 2 Newly notified latent tuberculosis infection (LTBI) patients, by sex and age group, in Japan, from 2010 to 2012

Age group	2010					2011					2012				
	Total	Sex		(%)	Ratio of F/M	Total	Sex		(%)	Ratio of F/M	Total	Sex		(%)	Ratio of F/M
		Males	Females				Males	Females				Males	Females		
Total	4,930	2,206	2,724	100	1.2	10,046	3,966	6,080	100	1.5	8,771	3,470	5,301	100	1.5
0-4	370	182	188	7.5	1.0	542	251	291	5.4	1.2	499	230	269	5.7	1.2
5-9	160	86	74	3.2	0.9	182	92	90	1.8	1.0	219	116	103	2.5	0.9
10-14	162	87	75	3.3	0.9	233	97	136	2.3	1.4	177	90	87	2.0	1.0
15-19	244	139	105	4.9	0.8	327	165	162	3.3	1.0	276	129	147	3.1	1.1
20-24	397	176	221	8.1	1.3	864	257	607	8.6	2.4	753	211	542	8.6	2.6
25-29	462	189	273	9.4	1.4	1,080	379	701	10.8	1.8	879	305	574	10.0	1.9
30-34	519	223	296	10.5	1.3	1,084	408	676	10.8	1.7	876	311	565	10.0	1.8
35-39	534	212	322	10.8	1.5	1,152	448	704	11.5	1.6	893	350	543	10.2	1.6
40-44	519	213	306	10.5	1.4	989	374	615	9.8	1.6	913	315	598	10.4	1.9
45-49	479	193	286	9.7	1.5	923	325	598	9.2	1.8	768	308	460	8.8	1.5
50-54	349	146	203	7.1	1.4	773	278	495	7.7	1.8	701	251	450	8.0	1.8
55-59	290	140	150	5.9	1.1	683	289	394	6.8	1.4	621	261	360	7.1	1.4
60-64	194	101	93	3.9	0.9	577	279	298	5.7	1.1	549	256	293	6.3	1.1
65-69	115	59	56	2.3	0.9	269	134	135	2.7	1.0	256	153	103	2.9	0.7
70+	136	60	76	2.8	1.3	368	190	178	3.7	0.9	391	184	207	4.5	1.1

Ratio of F/M: Ratio of female patients to male patients

Previous table Newly notified tuberculosis cases by registered month, 2012

Registered month	Active tuberculosis									LTBI* on treatment
	Active pulmonary tuberculosis									
	All active tuberculosis	All active pulmonary tuberculosis	Sputum smear positive			Other bacillary positive	Bacillary negative or bacillary results unknown	Extra-pulmonary		
			All sputum smear positive	New	Retreatment					
Total	21,283	16,432	8,237	7,663	574	5,686	2,509	4,851	8,771	
Jan.	1,578	1,213	583	533	50	450	180	365	658	
Feb.	1,672	1,276	634	579	55	429	213	396	838	
Mar.	1,754	1,361	676	630	46	478	207	393	839	
Apr.	1,708	1,311	680	644	36	433	198	397	778	
May	1,855	1,416	732	690	42	484	200	439	802	
Jun.	1,930	1,475	766	712	54	472	237	455	836	
Jul.	1,929	1,508	804	763	41	489	215	421	772	
Aug.	1,876	1,424	697	647	50	498	229	452	803	
Sep.	1,733	1,312	662	608	54	449	201	421	640	
Oct.	1,794	1,424	712	667	45	522	190	370	717	
Nov.	1,676	1,335	667	613	54	463	205	341	559	
Dec.	1,778	1,377	624	577	47	519	234	401	529	

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

Table 3 Newly notified tuberculosis patients by affected organ, sex and age group, in Japan, from 1998 to 2012

Sex, Age-group, in 2012	Tuberculosis notifications, all forms	Pulmonary tuberculosis		Extra-pulmonary tuberculosis																	
		Lungs	Bronchi	Pharynx / Larynx	Miliary	Pleurals	Empy-ema	Hilar lymph nodes	Other lymph nodes	Menin- ges	Intes- tines	Verte- brae	Other joints / bones	Kidneys / Urinary tracts	Genitals	Skins	Eyes	Ears	Perito- neum	Pericar- dium	Other organs
Total	21,283	16,826	107	46	608	3,653	63	134	1,038	152	348	255	157	82	20	97	34	16	176	80	166
Male	12,988	10,688	42	20	243	2,507	37	63	292	85	160	118	74	42	10	31	19	5	72	52	89
Female	8,295	6,138	65	26	365	1,146	26	71	746	67	188	137	83	40	10	66	15	11	104	28	77
0-14	63	46	0	0	0	4	0	7	6	1	1	0	0	0	1	0	0	1	0	0	0
15-19	165	142	0	0	2	23	0	3	5	2	0	1	0	0	0	0	0	0	0	0	0
20-29	1,288	1,092	12	4	4	150	3	10	76	11	21	12	6	1	1	1	5	3	9	0	7
30-39	1,528	1,257	10	4	10	178	8	9	119	16	22	12	8	2	1	6	7	3	5	2	8
40-49	1,600	1,309	4	6	20	202	1	14	98	11	37	8	5	9	3	4	8	1	6	1	14
50-59	1,795	1,476	11	8	28	213	1	17	94	27	40	17	9	11	3	6	2	1	15	4	15
60-69	3,012	2,376	13	4	53	416	5	28	187	17	71	42	30	17	5	14	6	2	31	16	39
70-79	4,595	3,447	33	14	147	854	18	34	249	32	91	83	50	23	3	23	4	2	57	35	37
80-89	5,753	4,497	19	5	264	1,238	20	11	175	29	62	70	40	18	4	33	2	3	42	21	41
90+	1,484	1,184	5	1	80	375	7	1	29	6	3	10	9	1	0	9	0	0	11	1	5
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
2010	23,261	18,735	127	53	598	3,959	48	74	1,158	138	330	239	159	88	35	97	29	12	154	76	171
2011	22,681	17,969	129	57	695	3,929	52	70	1,199	156	317	250	145	83	22	89	27	21	173	89	187
2012	21,283	16,826	107	46	608	3,653	63	134	1,038	152	348	255	157	82	20	97	34	16	176	80	166

Note: Cases having multiple organs are counted independently.

【Foreign】

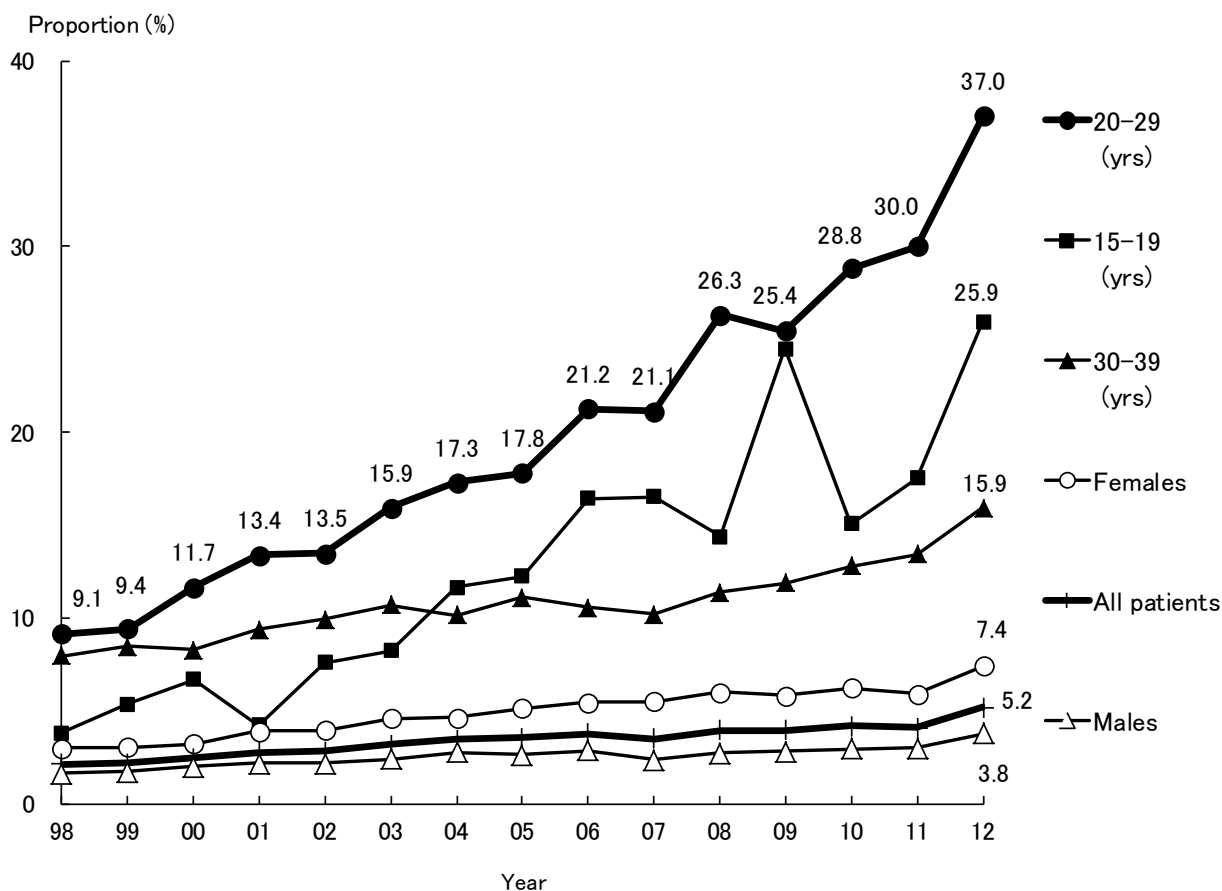


Fig. 3 Annual trend of proportion of foreign-born among newly notified tuberculosis patients, by age group, from 1998 to 2012

In the proportion, the numerator excluded those whose nationalities are unknown.

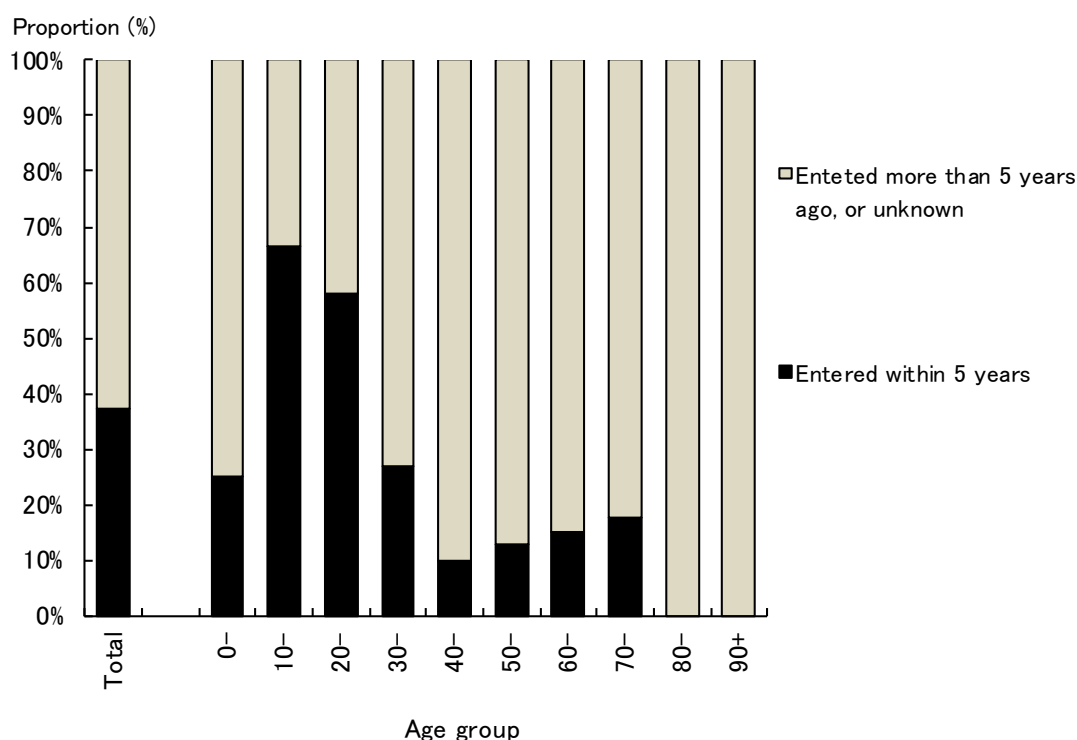


Fig. 4 Proportion of foreign-born tuberculosis patients, by age group and time of entry to Japan, in 2012

Table 4 Annual trend of newly notified tuberculosis patients by nationality or country of origin, and by sex, from 1998 to 2012

Year	Number of newly notified tuberculosis patients, all forms	Born in Japan	Foreign nationalities or Foreign borns (*1)	Nationalities or Unknown country of origin	Proportion of foreign borns (%) (*2)	Sex (*3)		Ratio of Females to Males
						Males	Females	
1998	41,033	34,382	739	5,912	2.1	365	374	1.0
1999	43,818	37,094	821	5,903	2.2	415	406	1.0
2000	39,384	33,720	837	4,827	2.4	436	401	0.9
2001	35,489	30,305	866	4,318	2.8	442	424	1.0
2002	32,828	28,667	824	3,337	2.8	411	413	1.0
2003	31,638	27,665	906	3,067	3.2	433	473	1.1
2004	29,736	26,205	931	2,600	3.4	479	452	0.9
2005	28,319	25,247	923	2,149	3.5	438	485	1.1
2006	26,384	23,505	920	1,959	3.8	444	476	1.1
2007	25,311	23,451	842	1,018	3.5	364	478	1.3
2008	24,760	23,163	945	652	3.9	416	529	1.3
2009	24,170	22,808	938	424	4.0	414	524	1.3
2010	23,261	21,976	952	333	4.2	424	528	1.2
2011	22,681	21,372	921	388	4.1	416	505	1.2
2012	21,283	19,555	1,069	659	5.2	474	595	1.3

\*1: Number of tuberculosis patients with foreign nationalities until 2011, number of foreign-born patients afterwards.

\*2: Proportion of tuberculosis patients with foreign nationalities until 2011, proportion of foreign-born patients afterwards, excluding those of unknown nationality or country of origin.

\*3: Sex distribution among foreign nationalities or foreign-borns.

Table 5 Number and proportion of foreign-born tuberculosis patients by country of origin and time of entry to Japan, in 2012

Total			Entered within 5 years			Entered more than 5 years ago, or unknown		
Total	1069	100 %	Total	400	100 %	Total	669	100 %
China	294	27.5	China	159	39.8	Philippines	227	33.9
Philippines	290	27.1	Philippines	63	15.8	China	135	20.2
Republic of Korea	92	8.6	Indonesia	32	8.0	Republic of Korea	76	11.4
Vietnam	63	5.9	Vietnam	32	8.0	Vietnam	31	4.6
Indonesia	57	5.3	Nepal	21	5.3	Brazil	25	3.7
Nepal	42	3.9	Republic of Korea	16	4.0	Indonesia	25	3.7
Brazil	30	2.8	Myanmar	13	3.3	Nepal	21	3.1
Thailand	26	2.4	India	10	2.5	Thailand	16	2.4
India	20	1.9	Thailand	10	2.5	India	10	1.5
Myanmar	20	1.9				Peru	10	1.5
Peru	12	1.1						
Taiwan	12	1.1						
Others	40	3.7	Others	39	9.8	Others	58	8.7
Unknown	71	6.6	Unknown	5	1.3	Unknown	35	5.2

Only those nations with more than ten tuberculosis cases are listed.

Table 6 Occupation of foreign-born tuberculosis patients by sex and age group, in Japan, in 2012

Age group	Total	(%)	Service trade workers (%)	Health care workers (%)	Teachers / Nursery staff (%)	Infants / Children (%)	Students (%)	Other regular employees (%)	Other temporary / day laborer (%)	Other self-employed (%)	Housekeepers (%)	Unemployed / Others (%)	Unknown (%)
Total	1,069	(100)	61 (6)	17 (2)	4 (0.4)	11 (1)	215 (20)	296 (28)	117 (11)	19 (2)	65 (6)	222 (21)	42 (4)
Males	474	(100)	19 (4)	2 (0.4)	2 (0.4)	5 (1)	134 (28)	150 (32)	55 (12)	12 (3)	-	84 (18)	11 (2)
Females	595	(100)	42 (7)	15 (3)	2 (0.3)	6 (1)	81 (14)	146 (25)	62 (10)	7 (1)	65 (11)	138 (23)	31 (5)
0-14	7	(100)	-	-	-	7 (100)	-	-	-	-	-	-	-
15-19	42	(100)	-	-	-	4 (10)	25 (60)	5 (12)	3 (7)	-	-	5 (12)	-
20-24	262	(100)	6 (2)	-	-	-	119 (45)	85 (32)	16 (6)	2 (1)	6 (2)	24 (9)	4 (2)
25-29	206	(100)	12 (6)	3 (1)	-	-	57 (28)	76 (37)	20 (10)	1 (0)	10 (5)	19 (9)	8 (4)
30-34	151	(100)	14 (9)	1 (1)	-	-	11 (7)	47 (31)	17 (11)	-	15 (10)	34 (23)	12 (8)
35-39	86	(100)	7 (8)	5 (6)	2 (2)	-	2 (2)	27 (31)	11 (13)	2 (2)	13 (15)	13 (15)	4 (5)
40-44	110	(100)	12 (11)	4 (4)	-	-	1 (1)	21 (19)	20 (18)	2 (2)	11 (10)	34 (31)	5 (5)
45-49	71	(100)	5 (7)	2 (3)	-	-	-	22 (31)	15 (21)	3 (4)	2 (3)	19 (27)	3 (4)
50-54	35	(100)	1 (3)	-	-	-	-	9 (26)	6 (17)	3 (9)	4 (11)	9 (26)	3 (9)
55-59	28	(100)	3 (11)	-	1 (4)	-	-	1 (4)	4 (14)	2 (7)	4 (14)	12 (43)	1 (4)
60+	71	(100)	1 (1)	2 (3)	1 (1)	-	-	3 (4)	5 (7)	4 (6)	-	53 (75)	2 (3)

(%)

Previous table Trend of newly notified foreign nationals with TB by year and age group, 1998–2012

Year	All foreigners	Age group							Percentage of 20–29 yrs in total
		0–14	15–19	20–29	30–39	40–49	50–59	60+	
1998	739	11	15	300	215	83	44	71	40.6%
1999	821	13	25	319	241	89	54	80	38.9
2000	837	16	24	357	235	92	49	64	42.7
2001	866	6	15	361	249	110	55	70	41.7
2002	824	6	23	345	249	81	47	73	41.9
2003	906	12	22	399	268	98	38	69	44.0
2004	931	6	30	402	250	107	59	77	43.2
2005	923	9	33	378	273	105	62	63	41.0
2006	920	6	33	409	234	113	59	66	44.5
2007	842	9	32	390	224	102	43	42	46.3
2008	945	5	26	468	237	114	41	54	49.5
2009	938	3	49	427	243	103	41	72	45.5
2010	952	9	37	438	242	114	39	73	46.0
2011	921	8	27	419	226	126	53	62	45.5
2012	1069	7	42	468	237	181	63	71	43.8

Previous table Distribution of foreign nationals with tuberculosis by prefecture and designated city, 2012

	Newly notified patients	Foreign nationals	Proportion (%)	Leading countr(ies) (Number of cases)	
Japan	21,283	1,069	5.0	China	( 294 )
Yamanashi	100	17	17.0	Philippines	( 8 )
Hamamatsu city	129	19	14.7	Philippines	( 7 )
Mie	252	25	9.9	Philippines	( 8 )
Aichi	844	77	9.1	Philippines	( 26 )
Gunma	232	21	9.1	China	( 7 )
Nagano	203	18	8.9	China, Philippines	( 6 )
Shizuoka	318	28	8.8	Philippines	( 16 )
Saitama city	198	16	8.1	Philippines	( 5 )
Ibaraki	401	32	8.0	Philippines	( 12 )
Shiga	170	13	7.6	China	( 6 )
Gifu	380	29	7.6	Philippines	( 11 )
Ngoya city	575	42	7.3	Philippines	( 14 )
Tokyo	2,874	206	7.2	China	( 66 )
Kobe city	376	25	6.6	Korea	( 10 )
Fukuoka city	231	15	6.5	China	( 9 )
Toyama	140	9	6.4	Philippines	( 3 )
Tochigi	266	17	6.4	Philippines	( 9 )
Sendai city	111	7	6.3	China	( 4 )
Shizuoka city	96	6	6.3	Indonesia, Myanmar	( 2 )
Sagamihara city	97	6	6.2	Korea	( 2 )
Hirosima city	162	10	6.2	China	( 6 )
Sitama	902	53	5.9	Philippines	( 20 )

Those prefectures and designated cities with 5% or more tuberculosis cases with foreign nationals are listed.

The figures of prefectures do not include those cases registered to designated cities in the respective prefecture, if applicable.

E.g., the figure of Kanagawa prefecture does not include those of Yokohama and Kawasaki cities.