

【Summary】

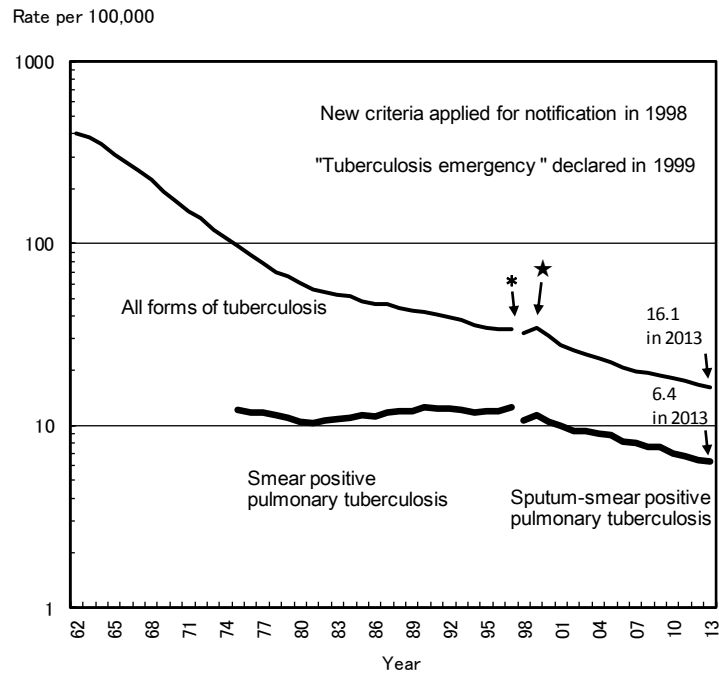


Fig. 1 Annual trend of tuberculosis notification rate (all forms, sputum-smear positive pulmonary tuberculosis) per 100,000 population in Japan, 1962-2013

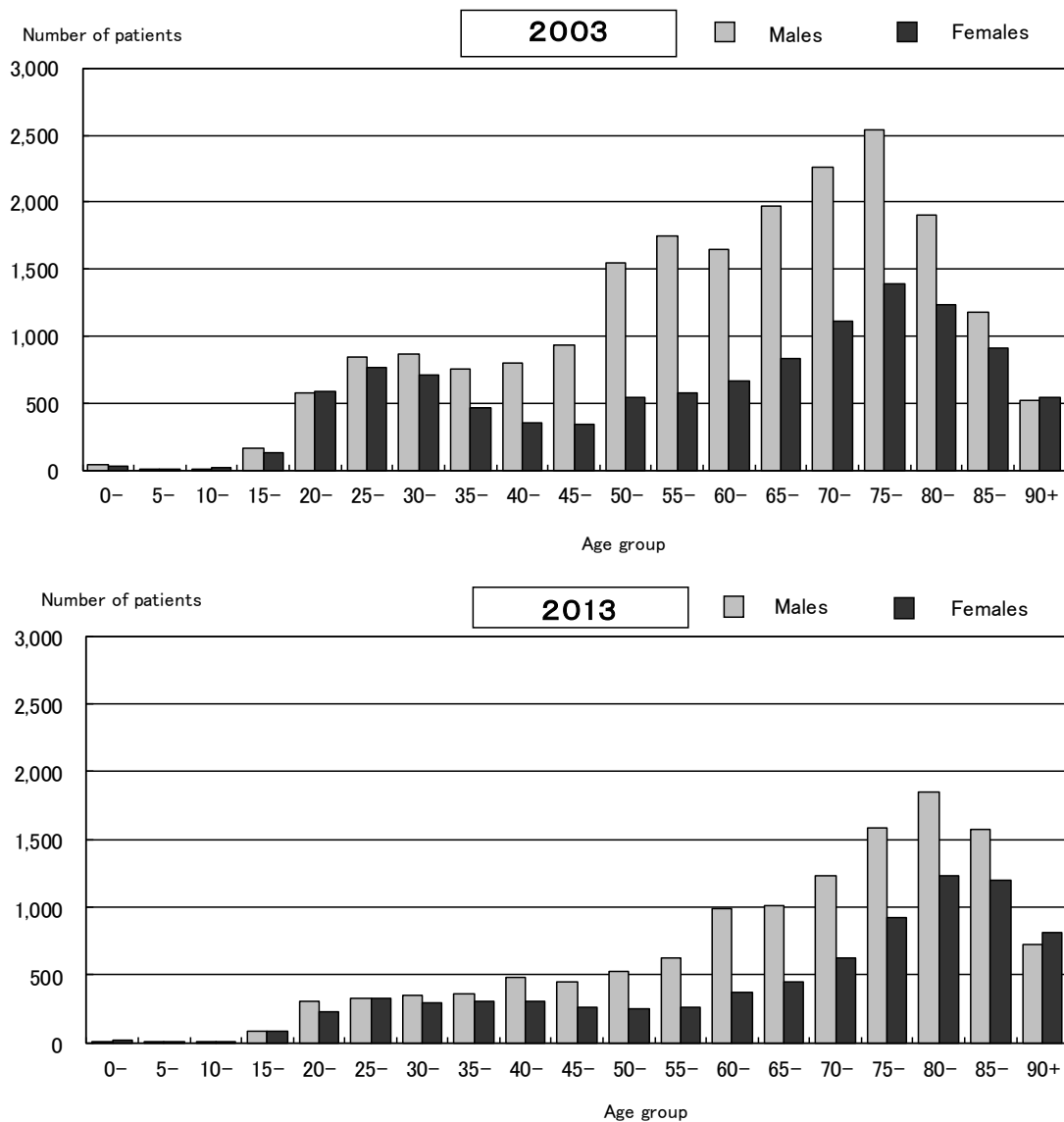


Fig. 2 Age distribution of newly notified tuberculosis patients by sex in Japan, in 2003 and in 2013

Table 1 Number of newly notified tuberculosis patients (all forms, new and re-treatment, pulmonary and extra-pulmonary), by age group, in Japan, 2011–2013

Age group	Tuberculosis notifications, all forms (*1)			Tuberculosis notification rates, all forms (*2)			New tuberculosis												Re-treatment tuberculosis																	
							Pulmonary tuberculosis						Pulmonary tuberculosis						Pulmonary tuberculosis						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		
2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013				
Total	22,681	21,283	20,495	18	17	16	7,937	7,663	7,584	5,363	5,350	5,174	2,619	2,132	2,041	249	193	160	4,826	4,609	4,274	717	574	535	408	336	296	204	162	163	22	22	19	336	242	249
0–14	84	63	66	0.5	0.4	0.4	5	4	0	12	4	14	32	30	26	9	6	1	22	16	20	0	1	0	0	0	1	3	1	3	0	0	0	1	1	1
15–19	157	165	165	2.6	2.7	2.7	42	38	44	49	40	37	35	46	45	8	4	4	15	23	21	3	2	5	0	5	1	2	4	5	2	2	1	1	1	2
20–29	1,417	1,288	1,196	10.4	9.7	9.1	347	320	345	426	387	346	358	304	302	33	23	15	189	188	144	13	17	12	18	18	16	14	16	7	3	2	2	16	13	7
30–39	1,718	1,528	1,317	9.6	8.9	7.9	494	423	393	427	439	379	408	310	261	27	19	17	270	258	200	26	25	19	20	19	13	12	14	15	1	2	1	33	19	19
40–49	1,820	1,600	1,496	10.5	9.1	8.3	592	514	495	442	428	418	323	244	227	24	22	16	338	286	266	33	41	28	25	28	12	14	13	10	4	1	2	25	23	22
50–59	2,049	1,795	1,665	12.8	11.5	10.8	771	631	606	472	462	429	296	239	207	38	23	15	344	323	270	48	49	57	35	28	34	25	21	18	3	3	3	17	16	26
60–69	3,232	3,012	2,833	17.5	16.3	15.4	1,134	1,083	1,045	709	742	716	402	306	283	34	38	29	685	644	556	107	78	74	65	55	41	47	33	41	3	5	5	46	28	43
70–79	4,875	4,595	4,359	36.6	33.7	31.4	1,649	1,657	1,572	1,125	1,082	1,064	402	333	340	40	33	30	1,254	1,163	1,081	168	144	110	103	80	75	52	27	29	5	5	4	77	71	54
80–89	5,897	5,753	5,856	82.8	77.6	76.2	2,286	2,339	2,426	1,361	1,400	1,392	302	261	290	35	23	32	1,375	1,357	1,354	278	193	184	120	87	85	30	28	29	0	2	1	110	63	63
90+	1,432	1,484	1,542	99.1	97.1	95.6	617	654	658	340	366	379	61	59	60	1	2	1	334	351	362	41	24	46	22	16	18	5	5	6	1	0	0	10	7	12

*1: All forms include new and re-treatment 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 2011 to 2013

Age group	2011					2012					2013				
	Total	Sex		Ratio of F/M	%	Total	Sex		Ratio of F/M	%	Total	Sex		Ratio of F/M	%
		Males	Females				Males	Females				Males	Females		
総数 Total	10,046	3,966	6,080	100	1.5	8,771	3,470	5,301	100	1.5	7,147	3,094	4,053	100	1.3
0-4	542	251	291	5.4	1.2	499	230	269	5.7	1.2	493	246	247	6.9	1.0
5-9	182	92	90	1.8	1.0	219	116	103	2.5	0.9	163	75	88	2.3	1.2
10-14	233	97	136	2.3	1.4	177	90	87	2.0	1.0	202	97	105	2.8	1.1
15-19	327	165	162	3.3	1.0	276	129	147	3.1	1.1	188	97	91	2.6	0.9
20-24	864	257	607	8.6	2.4	753	211	542	8.6	2.6	426	147	279	6.0	1.9
25-29	1,080	379	701	10.8	1.8	879	305	574	10.0	1.9	621	251	370	8.7	1.5
30-34	1,084	408	676	10.8	1.7	876	311	565	10.0	1.8	564	218	346	7.9	1.6
35-39	1,152	448	704	11.5	1.6	893	350	543	10.2	1.6	638	258	380	8.9	1.5
40-44	989	374	615	9.8	1.6	913	315	598	10.4	1.9	649	259	390	9.1	1.5
45-49	923	325	598	9.2	1.8	768	308	460	8.8	1.5	637	255	382	8.9	1.5
50-54	773	278	495	7.7	1.8	701	251	450	8.0	1.8	600	222	378	8.4	1.7
55-59	683	289	394	6.8	1.4	621	261	360	7.1	1.4	573	229	344	8.0	1.5
60-64	577	279	298	5.7	1.1	549	256	293	6.3	1.1	498	250	248	7.0	1.0
65-69	269	134	135	2.7	1.0	256	153	103	2.9	0.7	321	169	152	4.5	0.9
70+	368	190	178	3.7	0.9	391	184	207	4.5	1.1	574	321	253	8.0	0.8

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

%: proportion

Previous table Newly notified tuberculosis cases by registered month, 2013

Registered month	Active tuberculosis									LTBI* on treatment
	Active pulmonary tuberculosis								Extra-pulmonary	
	All active tuberculosis	All active pulmonary tuberculosis	Sputum smear positive			Other bacillary positive	Bacillary negative or bacillary results unknown			
			All sputum smear positive	New	Retreatment					
Total	20,495	15,972	8,119	7,584	535	5,470	2,383	4,523	7,147	
Jan.	1,519	1,203	588	550	38	423	192	316	483	
Feb.	1,501	1,158	590	547	43	386	182	343	528	
Mar.	1,560	1,209	626	586	40	417	166	351	578	
Apr.	1,769	1,371	685	649	36	474	212	398	585	
May	1,788	1,377	698	651	47	486	193	411	524	
Jun.	1,847	1,425	682	642	40	516	227	422	644	
Jul.	1,967	1,535	798	741	57	517	220	432	669	
Aug.	1,785	1,394	752	695	57	448	194	391	611	
Sep.	1,606	1,249	684	660	24	393	172	357	607	
Oct.	1,839	1,451	716	649	67	518	217	388	678	
Nov.	1,691	1,350	697	646	51	461	192	341	634	
Dec.	1,623	1,250	603	568	35	431	216	373	606	

* 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 2013

Sex, Age-group, notifications, in 2013	Tuberculosis 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	20,495	16,380	131	34	635	3,634	48	128	972	181	298	228	138	74	29	87	22	17	190	87	153
Male	12,504	10,342	55	15	234	2,513	37	60	282	112	129	108	71	39	19	36	13	5	91	64	78
Female	7,991	6,038	76	19	401	1,121	11	68	690	69	169	120	67	35	10	51	9	12	99	23	75
0-14	66	47	0	0	0	10	0	9	4	2	0	0	2	0	0	1	0	1	1	0	0
15-19	165	143	2	0	4	13	0	1	6	2	2	0	1	0	0	0	1	0	0	0	0
20-29	1,196	1,049	7	1	9	143	0	13	75	9	11	8	6	0	1	2	2	1	13	0	4
30-39	1,317	1,108	12	2	21	145	0	11	92	20	22	9	9	6	0	4	4	2	11	4	12
40-49	1,496	1,226	10	4	15	185	6	14	98	24	38	15	6	6	5	1	5	1	10	2	16
50-59	1,665	1,381	14	11	23	219	3	12	81	15	42	13	8	7	4	2	3	2	16	5	18
60-69	2,833	2,265	11	7	59	408	8	22	160	26	58	35	23	13	8	15	3	4	25	9	28
70-79	4,359	3,313	42	4	151	823	13	27	241	49	66	63	28	21	6	29	2	5	55	26	39
80-89	5,856	4,622	32	5	272	1,309	13	14	182	28	56	75	48	18	4	26	2	0	53	34	27
90+	1,542	1,226	1	0	81	379	5	5	33	6	3	10	7	3	1	7	0	1	6	7	9
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
2013	20,495	16,380	131	34	635	3,634	48	128	972	181	298	228	138	74	29	87	22	17	190	87	153

Note: Cases having multiple organs are counted independently.

[Foreign]

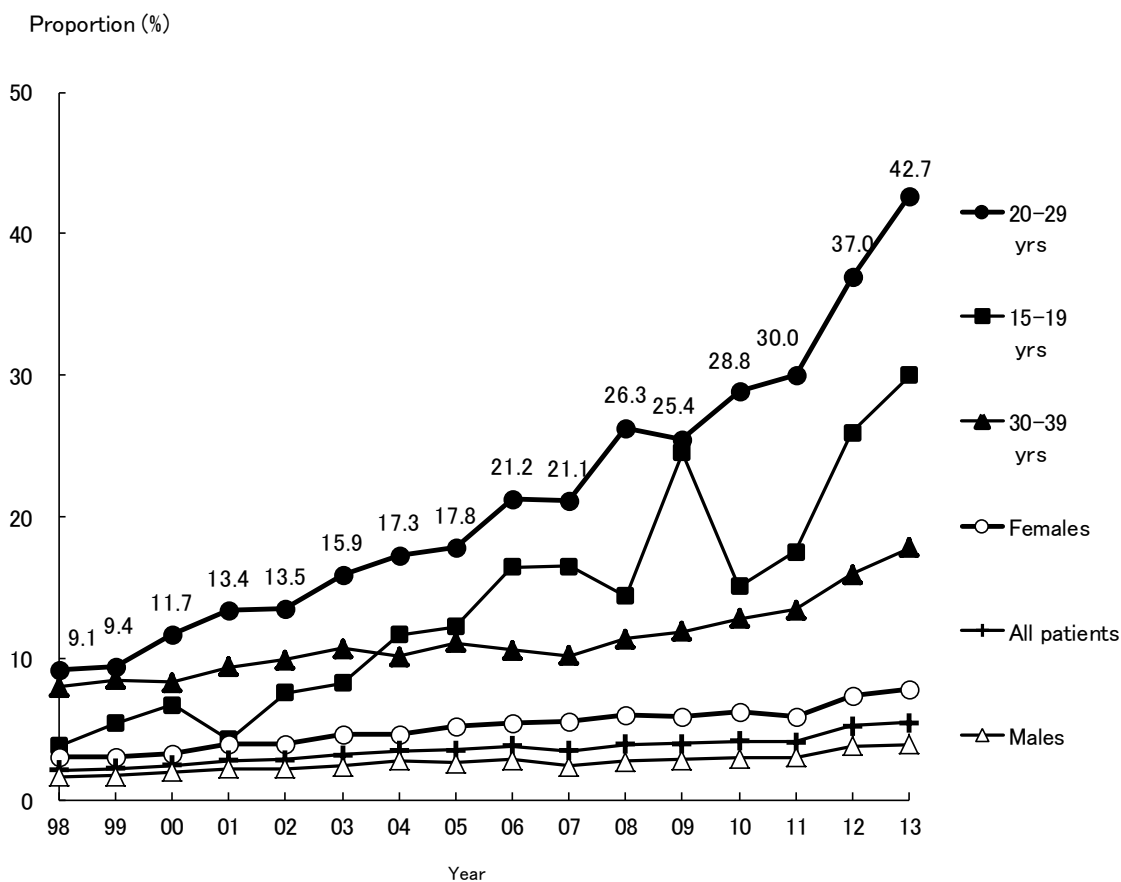


Fig. 3 Annual trend of proportion of foreign-borns among newly notified tuberculosis patients, by sex and age group, from 1998 to 2013

Those whose country of birth is unknown are excluded from the numerator.

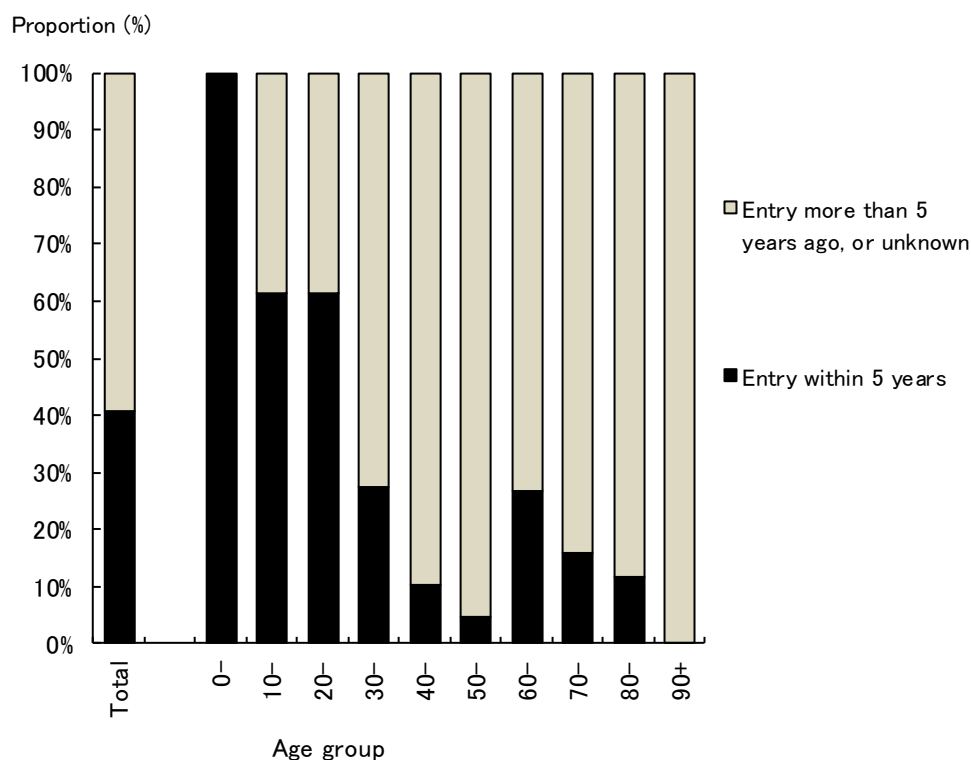


Fig. 4 Proportion of foreign-born tuberculosis patients, by age group and time of entry to Japan, in 2013

Table 4 Annual trend of newly notified tuberculosis patients by nationality or country of birth, and by sex, from 1998 to 2013

Year	Number of newly notified tuberculosis patients, all forms	Born in Japan	Foreign nationalities or Foreign borns (*1)	Nationalities or country of birth unknown	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
2013	20,495	18,589	1,064	842	5.4	468	596	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 birth.

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

Table 5 Number and proportion of foreign-born tuberculosis patients by country of birth and time of entry to Japan, 2013

Total			Entry within 5 years			Entry more than 5 years ago, or unknown		
Total	1,064	100 %	Total	432	100 %	Total	632	100 %
China	292	27.4	China	157	36.3	Philippines	184	29.1
Philippines	256	24.1	Philippines	72	16.7	China	135	21.4
Vietnam	68	6.4	Nepal	43	10.0	Republic of Korea	47	7.4
Nepal	65	6.1	Vietnam	39	9.0	Vietnam	29	4.6
Republic of Korea	60	5.6	Indonesia	36	8.3	Thailand	23	3.6
Indonesia	57	5.4	Republic of Korea	13	3.0	Brazil	22	3.5
Thailand	27	2.5	Myanmar	13	3.0	Nepal	22	3.5
Brazil	23	2.2				Indonesia	21	3.3
Myanmar	23	2.2				India	15	2.4
India	21	2.0				Peru	13	2.1
Peru	16	1.5				Myanmar	10	1.6
Mongolia	14	1.3				Taiwan	10	1.6
Taiwan	12	1.1						
Others	50	4.7	Others	45	10.4	Others	35	5.5
Unknown	80	7.5	Unknown	14	3.2	Unknown	66	10.4

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

Table 6 Occupation of foreign-born tuberculosis patients by sex and age group, in Japan, in 2013

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	1,064 (100)	60 (6)	21 (2)	7 (1)	8 (1)	252 (24)	265 (25)	117 (11)	18 (2)	53 (5)	224 (21)	39 (4)
Males	468 (100)	16 (3)	6 (1)	4 (1)	1 (0)	159 (34)	137 (29)	41 (9)	8 (2)	-	81 (17)	15 (3)
Females	596 (100)	44 (7)	15 (3)	3 (1)	7 (1)	93 (16)	128 (21)	76 (13)	10 (2)	53 (9)	143 (24)	24 (4)
0-14	7 (100)	-	-	-	7 (100)	-	-	-	-	-	-	-
15-19	48 (100)	-	-	-	1 (2)	33 (69)	3 (6)	2 (4)	-	-	8 (17)	1 (2)
20-24	271 (100)	8 (3)	1 (0)	3 (1)	-	136 (50)	70 (26)	25 (9)	1 (0)	2 (1)	22 (8)	3 (1)
25-29	223 (100)	9 (4)	4 (2)	-	-	68 (30)	62 (28)	23 (10)	1 (0)	14 (6)	28 (13)	14 (6)
30-34	138 (100)	12 (9)	4 (3)	-	-	11 (8)	42 (30)	19 (14)	3 (2)	16 (12)	26 (19)	5 (4)
35-39	87 (100)	4 (5)	5 (6)	2 (2)	-	4 (5)	29 (33)	13 (15)	3 (3)	12 (14)	11 (13)	4 (5)
40-44	90 (100)	12 (13)	2 (2)	-	-	-	26 (29)	17 (19)	4 (4)	2 (2)	24 (27)	3 (3)
45-49	57 (100)	10 (18)	5 (9)	-	-	-	16 (28)	8 (14)	2 (4)	4 (7)	10 (18)	2 (4)
50-54	40 (100)	3 (8)	-	2 (5)	-	-	8 (20)	1 (3)	2 (5)	1 (3)	21 (53)	2 (5)
55-59	25 (100)	1 (4)	-	-	-	-	4 (16)	4 (16)	1 (4)	-	13 (52)	2 (8)
60+	78 (100)	1 (1)	-	-	-	-	5 (6)	5 (6)	1 (1)	2 (3)	61 (78)	3 (4)

Previous table Trend of newly notified foreign nationals with TB by year and age group, 1998–2013

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
2013	1064	7	48	494	225	147	65	78	46.4

Previous table Distribution of foreign nationals with tuberculosis by prefecture and designated city, 2013

	Newly notified patients	Foreign nationals	Proportion (%)
Japan	20,495	1,064	5.2
Fukuoka city	226	32	14.2
Hamamatsu city	142	15	10.6
Sendai city	101	10	9.9
Tochigi	231	22	9.5
Hiroshima	247	22	8.9
Aichi	823	73	8.9
Gifu	376	33	8.8
Tokyo	2,671	229	8.6
Shizuoka	306	25	8.2
Shizuoka city	112	9	8.0
Ibaraki	382	30	7.9
Saitama	860	62	7.2
Gunma	228	16	7.0
Okayama	160	11	6.9
Kobe city	369	25	6.8
Nagoya city	601	36	6.0
Chiba	772	46	6.0
Yokohama city	554	31	5.6
Kyoto city	286	16	5.6
Okayama city	72	4	5.6
Fukui	109	6	5.5
Shiga	182	10	5.5
Mie	239	13	5.4
Chiba city	149	8	5.4
Nagano	194	10	5.2

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.