



Monthly Report of Tuberculosis Surveillance, Japan – December, 2017

The reporting and recording of tuberculosis (TB) and Latent TB Infection (LTBI) are managed at public health centers (PHCs) by the nationwide computerized TB surveillance system in Japan. A monthly report is compiled from the database automatically and regularly on 4th Friday of the next month, and an annual report is also produced much like the monthly report, but with sufficient time for data correction.

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Figure 1. Number of newly notified TB cases by month, Japan, 2014-2017

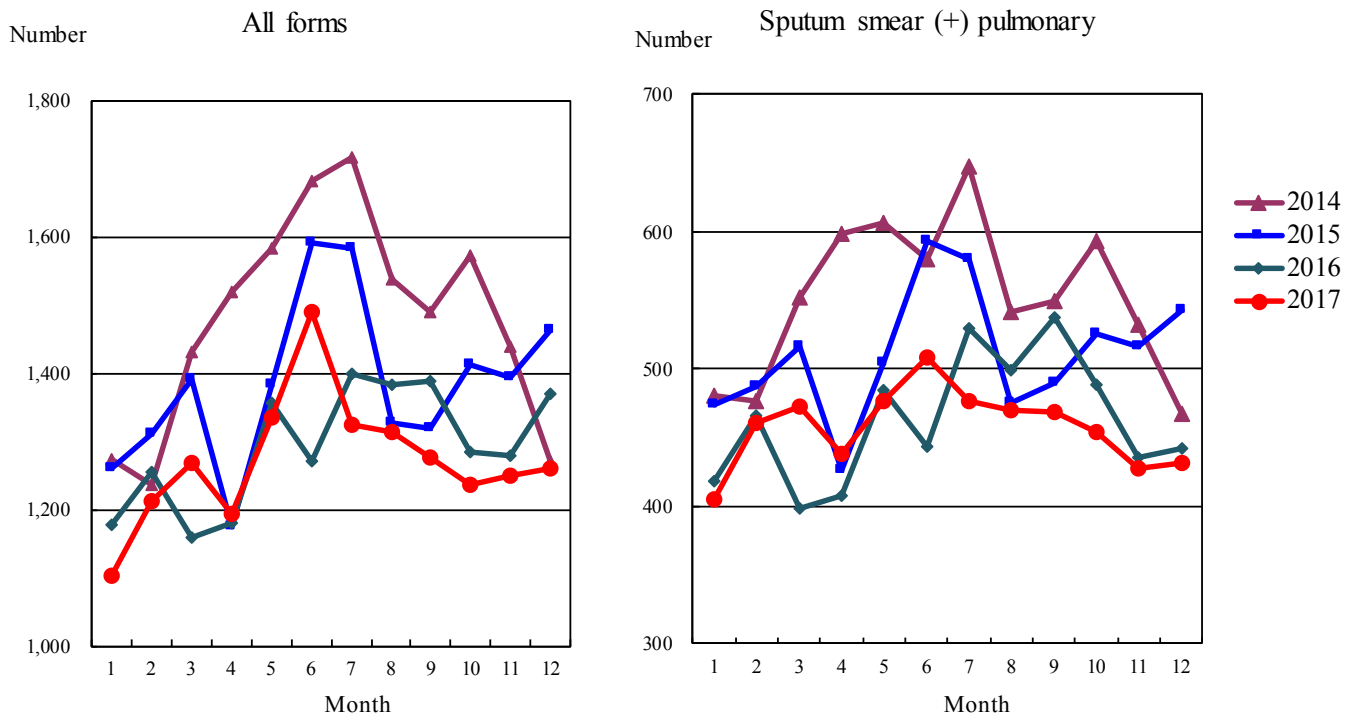


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Dec.) 2017

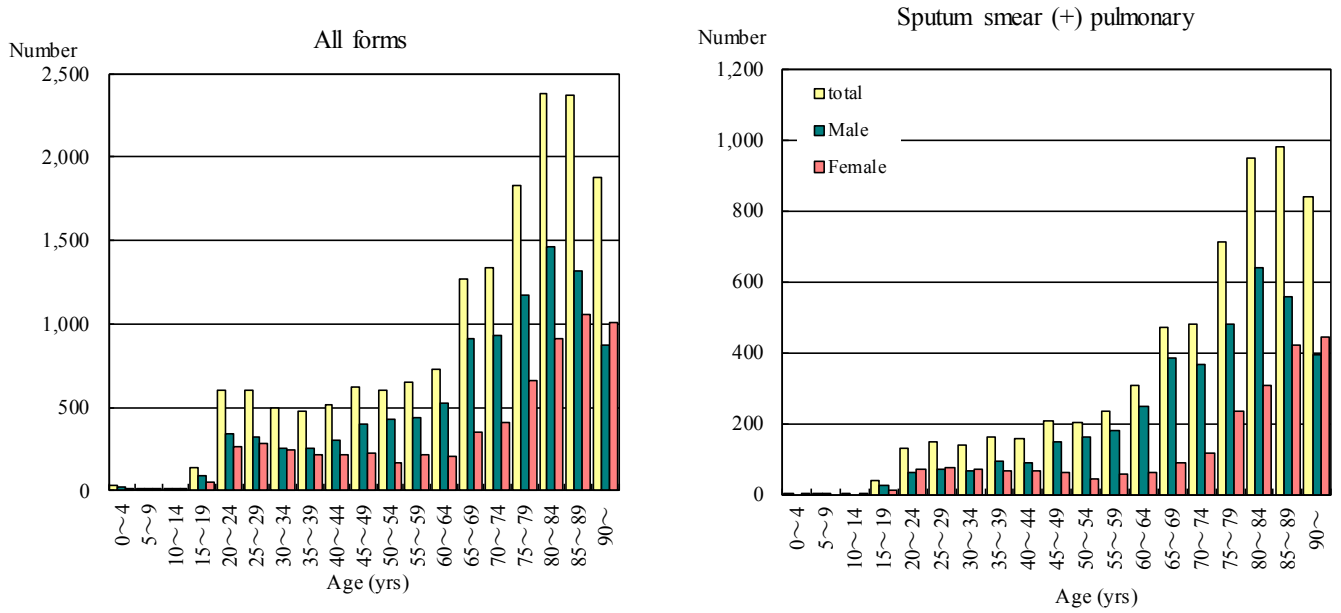


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Dec.) 2017

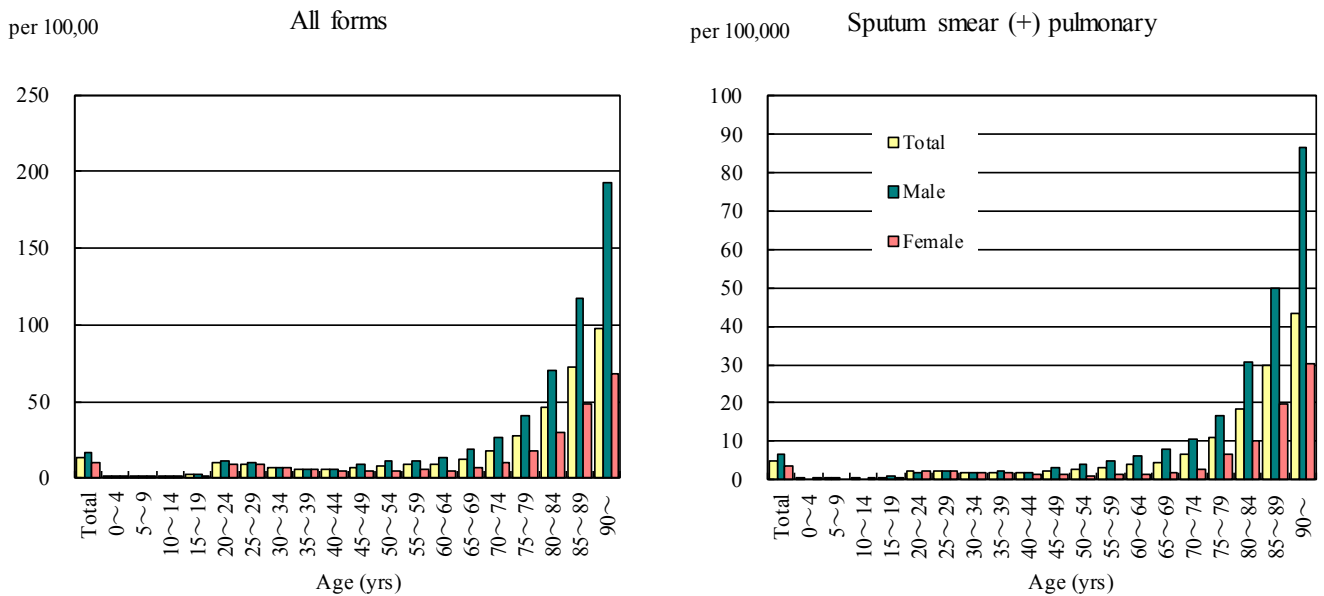


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Dec.) 2017

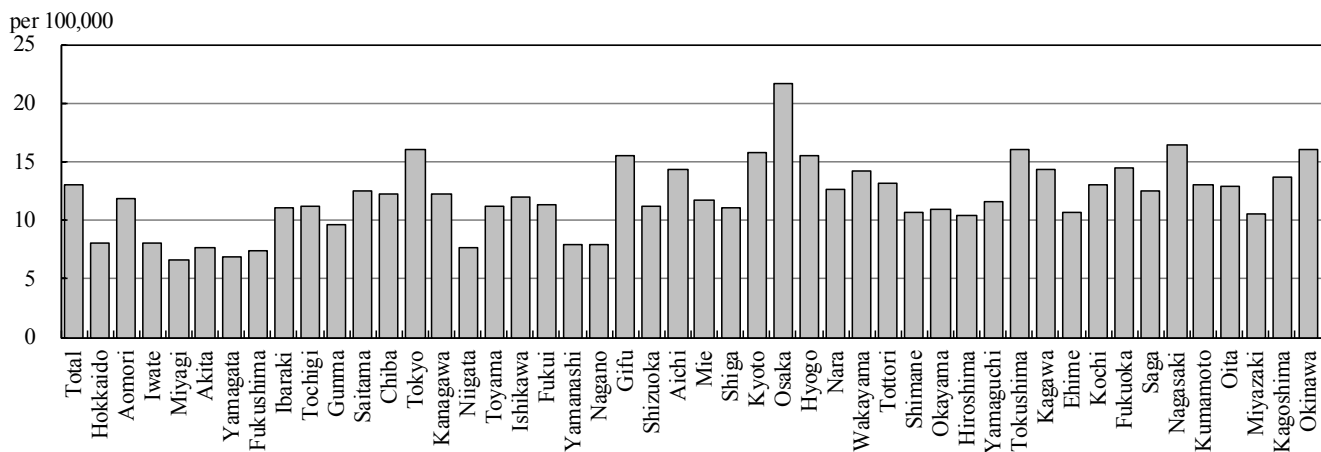


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Dec.) 2017

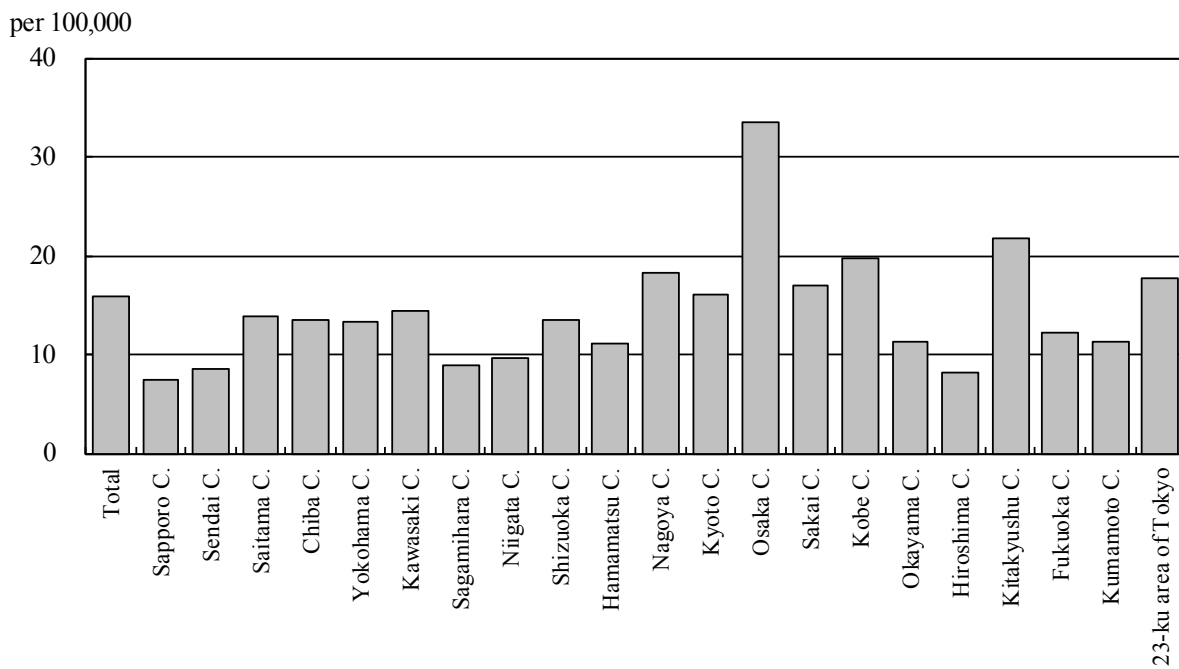


Figure 6. Number of LTBI, Japan, 2014-2017

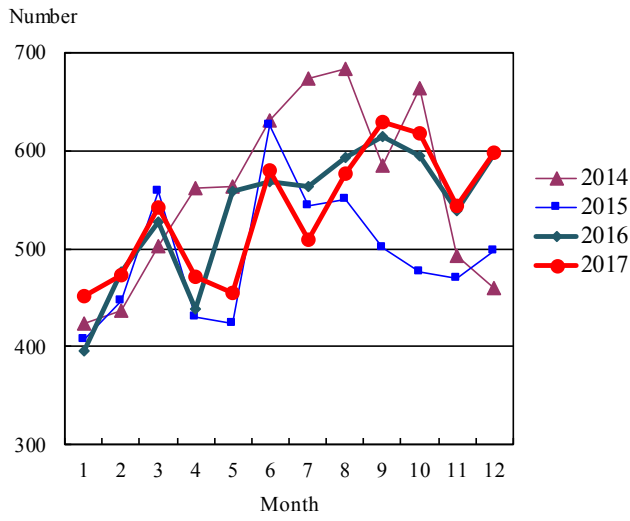


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Dec.) 2017

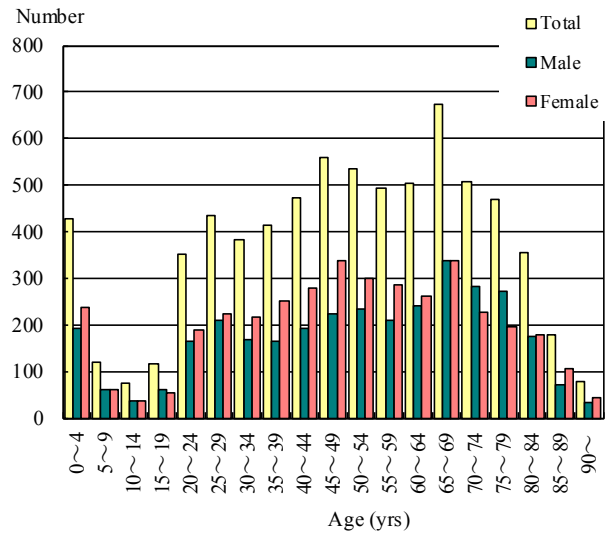


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2017

	Dec.			Summation (Jan.-Dec.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,260	767	493	16,572	10,053	6,519	13.1	16.3	10.0
0~4	2	1	1	32	20	12	0.6	0.8	0.5
5~9	1	1	0	10	7	3	0.2	0.3	0.1
10~14	2	1	1	17	6	11	0.3	0.2	0.4
15~19	12	11	1	143	92	51	2.4	3.0	1.7
20~24	59	30	29	604	339	265	9.8	10.7	8.9
25~29	35	21	14	606	325	281	9.5	9.9	9.0
30~34	31	17	14	499	254	245	6.9	6.9	6.9
35~39	31	14	17	474	254	220	5.8	6.2	5.5
40~44	37	23	14	517	301	216	5.3	6.1	4.5
45~49	40	24	16	626	401	225	6.7	8.6	4.9
50~54	51	31	20	599	428	171	7.6	10.8	4.3
55~59	49	31	18	654	437	217	8.7	11.6	5.7
60~64	53	40	13	730	521	209	8.9	13.0	5.0
65~69	98	71	27	1,269	915	354	12.4	18.4	6.7
70~74	111	78	33	1,334	927	407	18.0	26.9	10.3
75~79	150	97	53	1,832	1,173	659	28.1	40.4	18.2
80~84	194	122	72	2,378	1,465	913	45.9	69.9	29.6
85~89	162	89	73	2,367	1,314	1,053	72.3	117.3	48.9
90~	142	65	77	1,881	874	1,007	97.6	192.5	68.4

Temporary registrants = 101, Total of registrants and temporary registrants = 1,361

Rate: summation / (population*1/12)*100,000

Population: as of 1st Oct. 2016

Table 2. Newly notified sputum smear positive pulmonary TB cases and rates by sex and age, Japan, 2017

	Dec.			Summation (Jan.-Dec.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	432	278	154	6,164	3,970	2,194	4.9	6.4	3.4
0~4	0	0	0	1	0	1	0.0	0.0	0.0
5~9	1	1	0	1	1	0	0.0	0.0	0.0
10~14	0	0	0	3	0	3	0.1	0.0	0.1
15~19	4	4	0	39	27	12	0.6	0.9	0.4
20~24	9	3	6	131	62	69	2.1	2.0	2.3
25~29	12	7	5	147	72	75	2.3	2.2	2.4
30~34	11	5	6	137	66	71	1.9	1.8	2.0
35~39	12	6	6	161	95	66	2.0	2.3	1.6
40~44	8	4	4	155	87	68	1.6	1.8	1.4
45~49	16	10	6	209	147	62	2.3	3.1	1.3
50~54	18	11	7	204	162	42	2.6	4.1	1.1
55~59	17	14	3	234	178	56	3.1	4.7	1.5
60~64	19	17	2	309	249	60	3.8	6.2	1.4
65~69	27	25	2	472	384	88	4.6	7.7	1.7
70~74	35	29	6	481	367	114	6.5	10.6	2.9
75~79	43	28	15	713	480	233	10.9	16.5	6.4
80~84	64	43	21	948	640	308	18.3	30.5	10.0
85~89	77	44	33	981	559	422	30.0	49.9	19.6
90~	59	27	32	838	394	444	43.5	86.8	30.1

Rate: summation / (population*1/12)*100,000

Population: as of 1st Oct. 2016

Table 3. Newly notified TB cases and rates by prefecture, Japan, 2017

	Dec.		Summation (Jan.-Dec.)		Notification rate (per 100,000)	
	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)
Total	1,260	432	16,572	6,164	13.1	4.9
Hokkaido	27	13	430	150	8.0	2.8
Aomori	11	3	153	68	11.8	5.3
Iwate	12	4	102	27	8.0	2.1
Miyagi	17	4	153	46	6.6	2.0
Akita	1	1	77	34	7.6	3.4
Yamagata	3	1	76	31	6.8	2.8
Fukushima	9	4	141	62	7.4	3.3
Ibaraki	23	7	322	126	11.1	4.3
Tochigi	8	3	220	94	11.2	4.8
Gunma	19	4	189	54	9.6	2.7
Saitama	59	13	915	351	12.6	4.8
Chiba	55	24	760	262	12.2	4.2
Tokyo	137	55	2,184	786	16.0	5.8
Kanagawa	74	25	1,117	402	12.2	4.4
Niigata	13	5	175	68	7.7	3.0
Toyama	13	5	119	31	11.2	2.9
Ishikawa	15	7	138	56	12.0	4.9
Fukui	4	0	89	37	11.4	4.7
Yamanashi	5	2	66	30	8.0	3.6
Nagano	11	5	164	66	7.9	3.2
Gifu	24	5	313	111	15.5	5.5
Shizuoka	31	8	415	138	11.3	3.7
Aichi	86	24	1,073	380	14.3	5.1
Mie	13	2	212	82	11.7	4.5
Shiga	11	4	156	54	11.0	3.8
Kyoto	51	15	411	171	15.8	6.6
Osaka	172	71	1,910	790	21.6	8.9
Hyogo	75	27	858	307	15.5	5.6
Nara	8	3	171	81	12.6	6.0
Wakayama	9	4	135	58	14.2	6.1
Tottori	9	2	75	28	13.2	4.9
Shimane	9	2	74	32	10.7	4.6
Okayama	17	9	210	87	11.0	4.5
Hiroshima	19	10	296	110	10.4	3.9
Yamaguchi	13	2	162	49	11.6	3.5
Tokushima	8	1	120	36	16.0	4.8
Kagawa	14	5	139	54	14.3	5.6
Ehime	13	5	146	55	10.6	4.0
Kochi	8	3	94	32	13.0	4.4
Fukuoka	61	18	735	277	14.4	5.4
Saga	9	4	104	46	12.6	5.6
Nagasaki	16	3	225	68	16.5	5.0
Kumamoto	16	5	230	79	13.0	4.5
Oita	10	5	149	68	12.8	5.9
Miyazaki	9	2	115	45	10.5	4.1
Kagoshima	17	5	223	74	13.6	4.5
Okinawa	16	3	231	71	16.0	4.9

Rate: summation / (population*1/12)*100,000

Population: as of 1st Oct. 2016

Table 4. Newly notified TB cases and rates by major city, Japan, 2017

	Dec.		Summation (Jan.-Dec.)		Notification Rate (per 100,000)	
	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)
Total	466	163	5,895	2,172	16.0	5.9
Sapporo City	6	2	144	44	7.4	2.2
Sendai City	10	3	92	27	8.5	2.5
Saitama City	12	4	177	72	13.8	5.6
Chiba City	12	8	131	54	13.5	5.5
Yokohama City	34	11	495	163	13.3	4.4
Kawasaki City	19	8	214	89	14.4	6.0
Sagamihara City	2	0	64	24	8.9	3.3
Niigata City	5	2	78	33	9.7	4.1
Shizuoka City	10	2	96	30	13.5	4.2
Hamamatsu City	5	1	88	29	11.0	3.6
Nagoya City	36	12	421	141	18.3	6.1
Kyoto City	25	7	236	103	16.0	7.0
Osaka City	98	33	904	353	33.5	13.1
Sakai City	8	4	142	64	17.0	7.6
Kobe City	28	8	303	111	19.7	7.2
Okayama City	5	3	80	34	11.3	4.8
Hiroshima City	7	2	98	35	8.2	2.9
Kitakyushu City	15	6	208	88	21.8	9.2
Fukuoka City	13	2	190	74	12.2	4.8
Kumamoto City	9	2	83	23	11.2	3.1
23-ku area of Tokyo	107	43	1,651	581	17.6	6.2

Rate: summation / (population*1/12)*100,000

Population: as of 1st Oct. 2016

Major city: city with a population of one million or more.

Table 4 is a re-count of Table 3.

Table 5. LTBI cases and rates by sex and age, Japan, 2017

	Dec.			Summation (Jan.-Dec.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	598	274	324	7,144	3,325	3,819	0.4	0.3	0.6
0~4	47	15	32	429	193	236	13.4	9.7	19.7
5~9	11	7	4	118	59	59	11.8	8.4	19.7
10~14	6	3	3	74	37	37	4.4	6.2	3.4
15~19	4	4	0	115	62	53	0.8	0.7	1.0
20~24	20	7	13	353	163	190	0.6	0.5	0.7
25~29	43	21	22	433	210	223	0.7	0.6	0.8
30~34	36	19	17	384	167	217	0.8	0.7	0.9
35~39	38	21	17	414	163	251	0.9	0.6	1.1
40~44	37	14	23	472	192	280	0.9	0.6	1.3
45~49	40	19	21	558	222	336	0.9	0.6	1.5
50~54	45	15	30	535	234	301	0.9	0.5	1.8
55~59	42	17	25	495	208	287	0.8	0.5	1.3
60~64	37	19	18	503	240	263	0.7	0.5	1.3
65~69	49	22	27	674	337	337	0.5	0.4	1.0
70~74	43	24	19	509	283	226	0.4	0.3	0.6
75~79	33	15	18	469	273	196	0.3	0.2	0.3
80~84	37	19	18	354	176	178	0.1	0.1	0.2
85~89	19	8	11	177	72	105	0.1	0.1	0.1
90~	11	5	6	78	34	44	0.0	0.0	0.0

LTBI: latent TB Infection

Number of LTBI is not included in the newly notified TB patients

Table 6. LTBI cases and rates by prefecture, Japan, 2017

	Dec.	Summation (Jan.-Dec.)	
	LTBI	LTBI	(Ratio) LTBI /new TB
Total	598	7,144	0.43
Hokkaido	18	209	0.49
Aomori	19	130	0.85
Iwate	2	102	1.00
Miyagi	6	145	0.95
Akita	1	33	0.43
Yamagata	2	32	0.42
Fukushima	3	46	0.33
Ibaraki	3	148	0.46
Tochigi	1	50	0.23
Gunma	6	81	0.43
Saitama	32	478	0.52
Chiba	27	416	0.55
Tokyo	70	938	0.43
Kanagawa	41	500	0.45
Niigata	16	84	0.48
Toyama	5	67	0.56
Ishikawa	7	58	0.42
Fukui	4	49	0.55
Yamanashi	5	23	0.35
Nagano	9	114	0.70
Gifu	11	133	0.42
Shizuoka	7	135	0.33
Aichi	32	436	0.41
Mie	3	49	0.23
Shiga	5	82	0.53
Kyoto	55	217	0.53
Osaka	66	618	0.32
Hyogo	28	273	0.32
Nara	7	107	0.63
Wakayama	1	48	0.36
Tottori	1	12	0.16
Shimane	1	42	0.57
Okayama	13	150	0.71
Hiroshima	9	98	0.33
Yamaguchi	3	56	0.35
Tokushima	4	23	0.19
Kagawa	1	23	0.17
Ehime	2	51	0.35
Kochi	1	10	0.11
Fukuoka	20	302	0.41
Saga	1	25	0.24
Nagasaki	10	108	0.48
Kumamoto	7	63	0.27
Oita	8	101	0.68
Miyazaki	6	69	0.60
Kagoshima	6	84	0.38
Okinawa	13	126	0.55

LTBI: Latent TB Infection

Number of LTBI is not included in the newly notified TB patients.

Table 7. LTBI cases and rates by major city, Japan, 2017

	Dec.	Summation (Jan.-Dec.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	216	2,323	0.39
Sapporo City	10	84	0.58
Sendai City	5	97	1.05
Saitama City	3	43	0.24
Chiba City	7	50	0.38
Yokohama City	19	212	0.43
Kawasaki City	6	88	0.41
Sagamihara City	0	31	0.48
Niigata City	6	26	0.33
Shizuoka City	3	25	0.26
Hamamatsu City	1	26	0.30
Nagoya City	7	132	0.31
Kyoto City	30	129	0.55
Osaka City	23	255	0.28
Sakai City	9	57	0.40
Kobe City	13	99	0.33
Okayama City	8	83	1.04
Hiroshima City	0	31	0.32
Kitakyushu City	3	83	0.40
Fukuoka City	4	81	0.43
Kumamoto City	2	25	0.30
23-ku area of Tokyo	57	666	0.40

LTBI: Latent TB Infection

Number of LTBI is not included in the newly notified TB patients,

Major city: city with a population of one million or more

Table 7 is a re-count of Table 6