



## Monthly Report of Tuberculosis Surveillance, Japan – July, 2018

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 4<sup>th</sup> Friday of the next month, and an annual report is also produced much like the monthly report, but with sufficient time for data correction.

Tables and figures shown in the monthly reports are as follows.

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Figure 1. Number of newly notified TB cases by month, Japan, 2015-2018

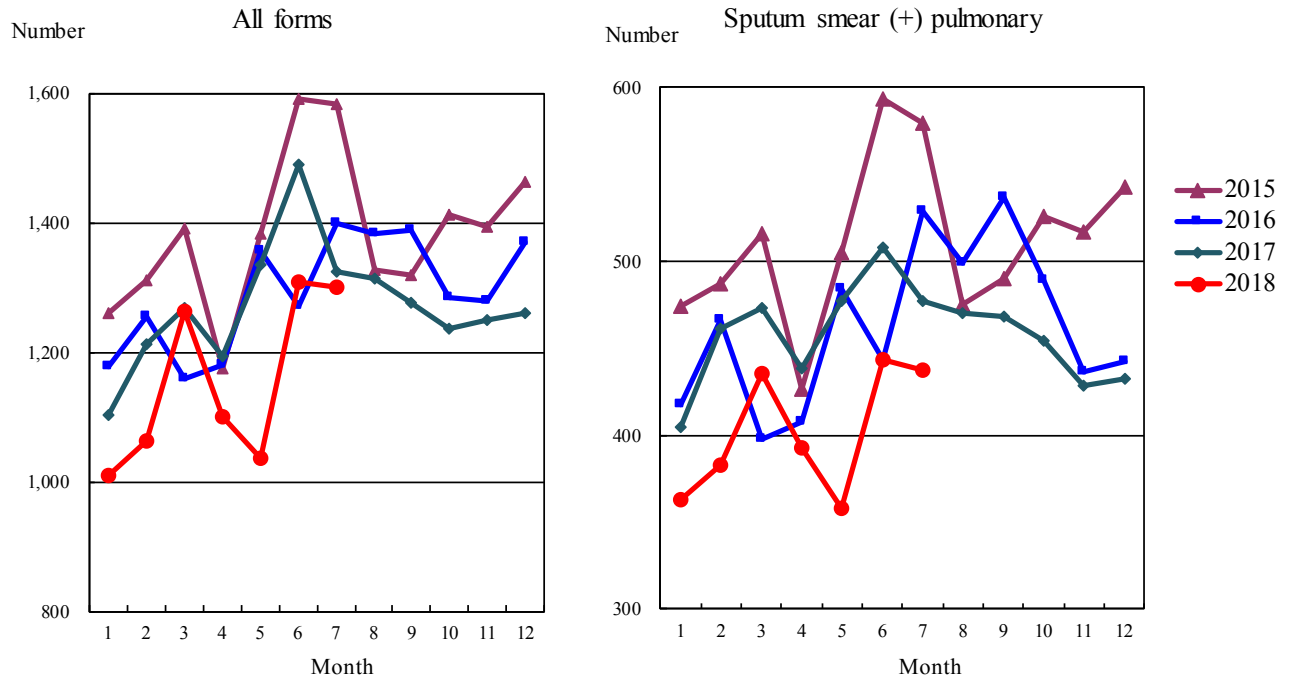


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Jul.) 2018

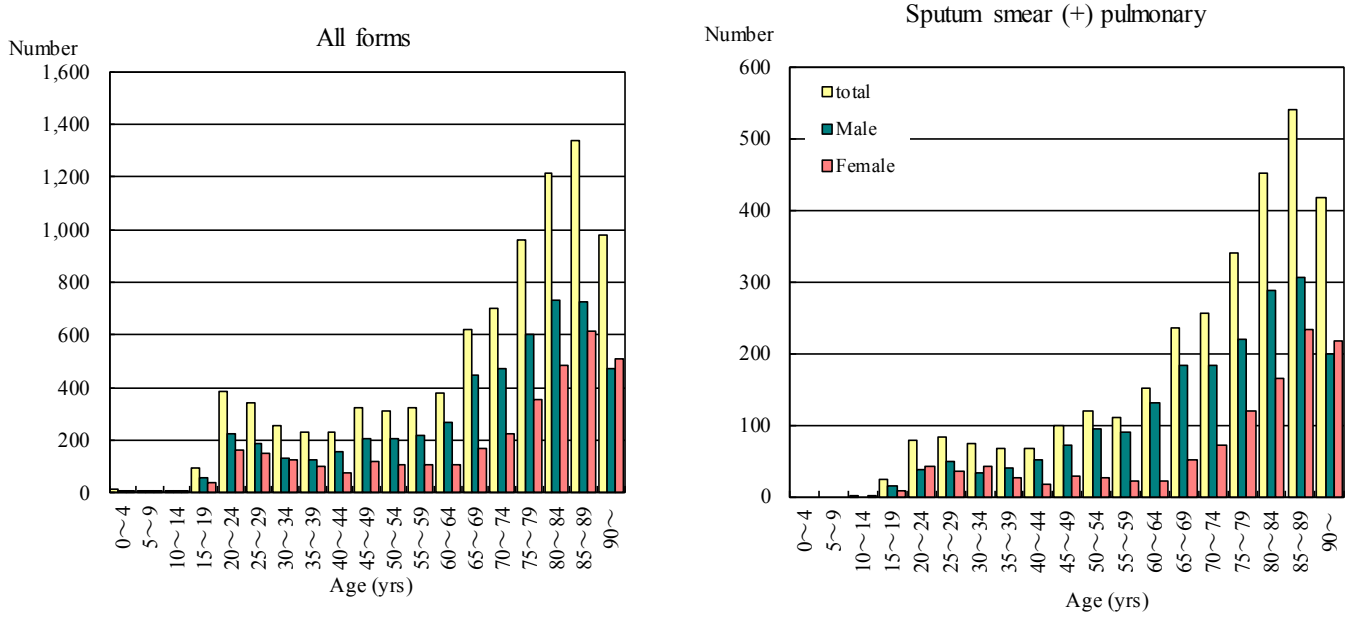


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Jul.) 2018

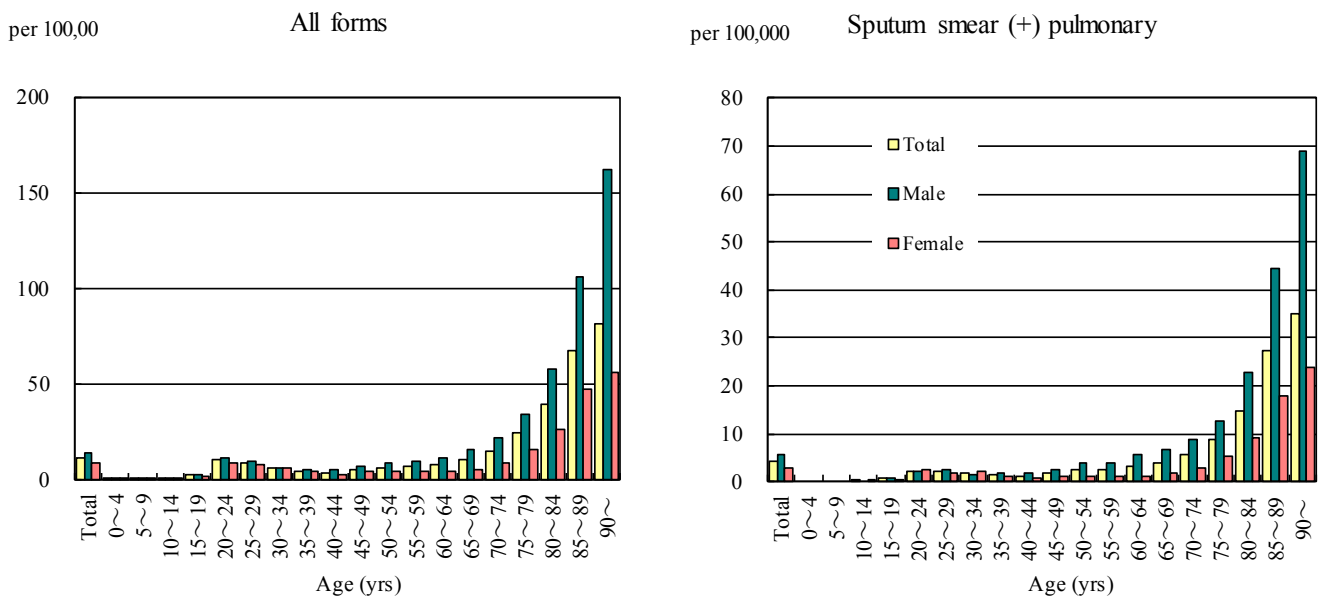


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Jul.) 2018

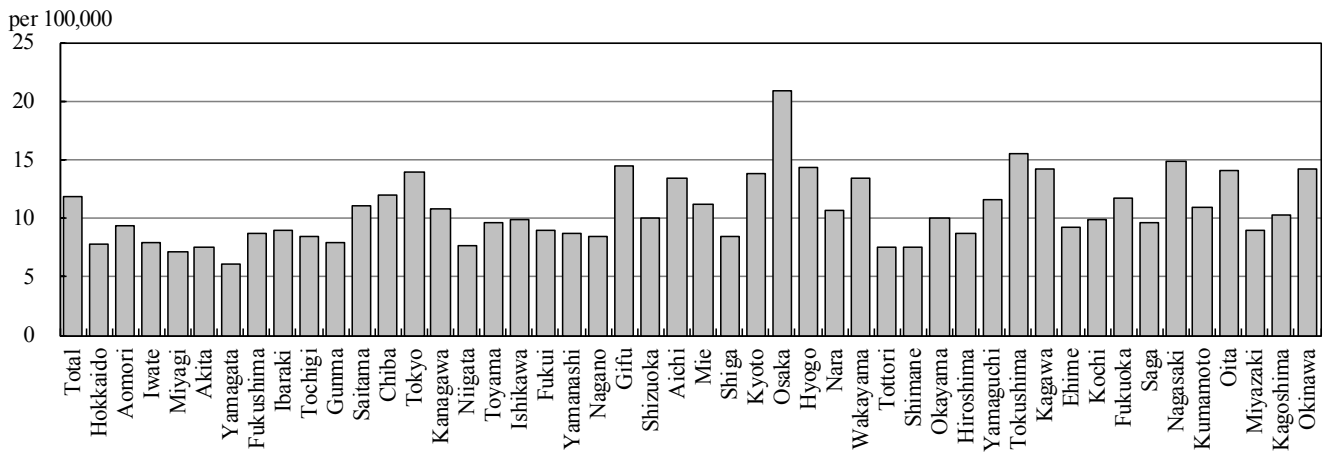


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Jul.) 2018

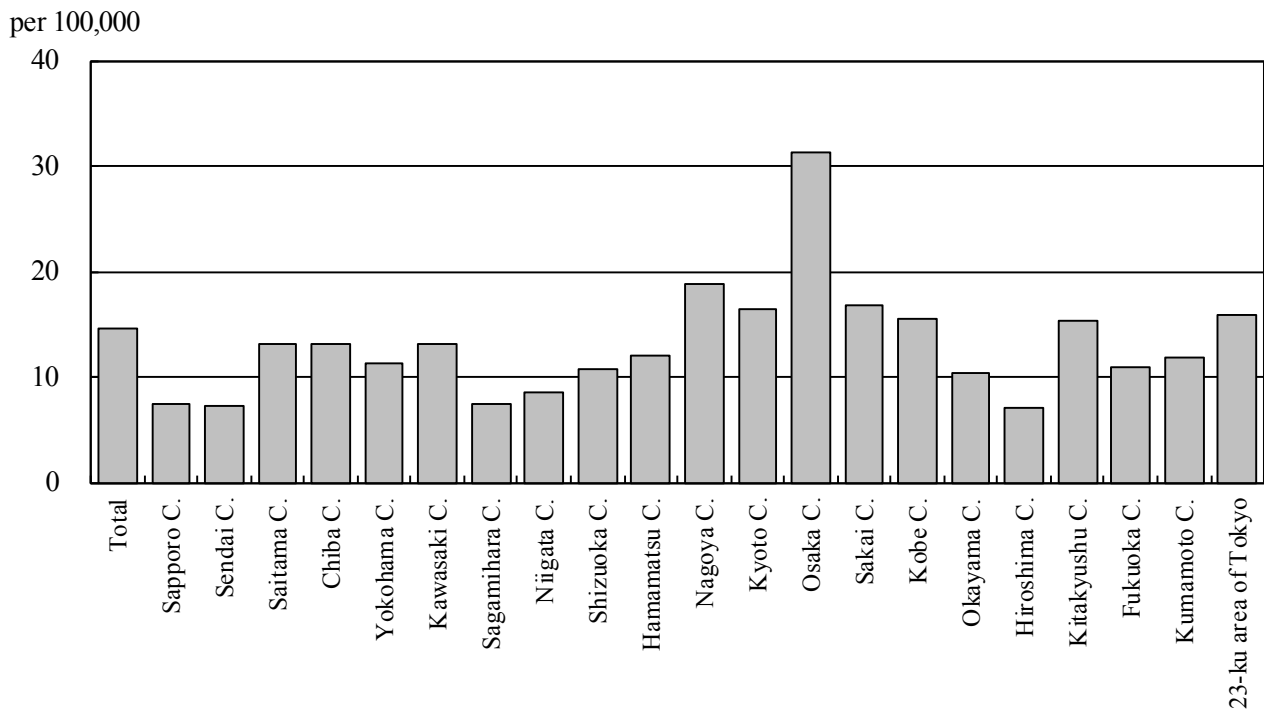


Figure 6. Number of LTBI, Japan, 2015-2018

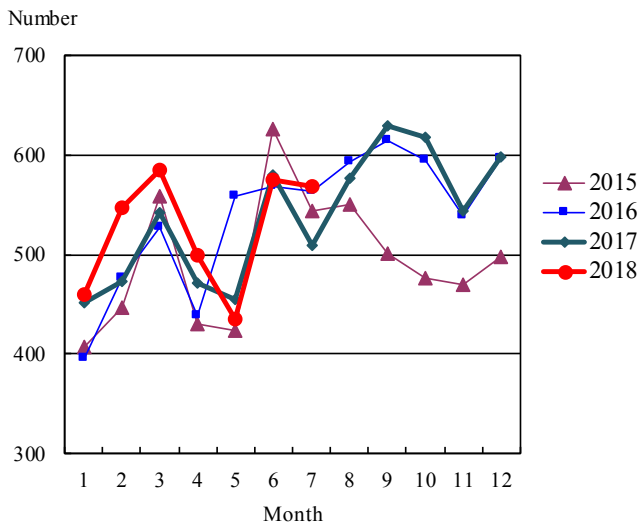


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Jul.) 2018

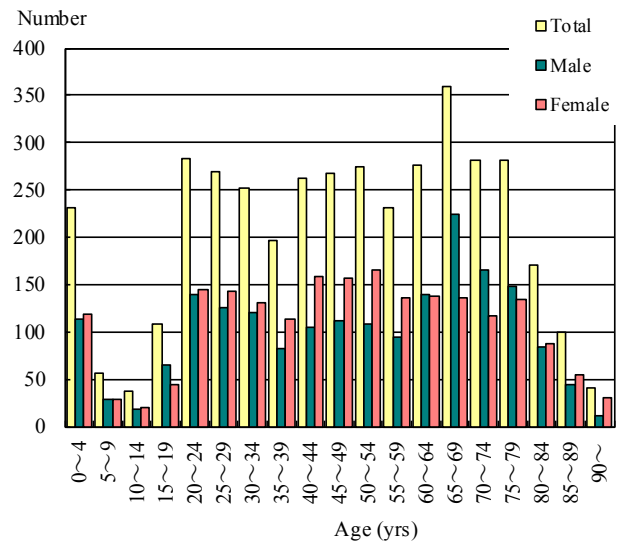


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2018

	Jul.			Summation (Jan.-Jul.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,300	805	495	8,715	5,255	3,460	11.8	14.6	9.1
0~4	2	1	1	14	10	4	0.5	0.7	0.3
5~9	0	0	0	4	3	1	0.1	0.2	0.1
10~14	4	1	3	11	6	5	0.3	0.4	0.3
15~19	15	12	3	95	59	36	2.7	3.3	2.1
20~24	76	45	31	388	224	164	10.7	12.0	9.3
25~29	63	34	29	339	190	149	9.2	10.1	8.3
30~34	41	19	22	254	131	123	6.1	6.2	6.0
35~39	38	18	20	230	127	103	5.0	5.4	4.5
40~44	28	21	7	230	157	73	4.2	5.6	2.7
45~49	46	30	16	325	204	121	5.9	7.3	4.4
50~54	48	34	14	314	209	105	6.6	8.7	4.4
55~59	54	41	13	326	219	107	7.4	9.9	4.8
60~64	52	39	13	378	270	108	8.3	12.0	4.7
65~69	95	68	27	618	447	171	10.7	16.0	5.7
70~74	97	65	32	699	473	226	15.5	22.3	9.4
75~79	134	92	42	960	603	357	24.4	34.4	16.4
80~84	182	109	73	1,215	731	484	39.3	58.1	26.5
85~89	183	111	72	1,338	723	615	67.5	105.6	47.4
90~	142	65	77	977	469	508	81.5	162.2	55.9

Temporary registrants = 48, Total of registrants and temporary registrants = 1,348

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

Population: as of 1st Oct. 2017

Table 2. Newly notified sputum smear positive pulmonary TB cases and rates by sex and age, Japan, 2018

	Jul.			Summation (Jan.-Jul.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	437	295	142	3,117	1,988	1,129	4.2	5.5	3.0
0~4	0	0	0	0	0	0	0.0	0.0	0.0
5~9	0	0	0	0	0	0	0.0	0.0	0.0
10~14	1	0	1	2	0	2	0.1	0.0	0.1
15~19	5	3	2	24	15	9	0.7	0.8	0.5
20~24	13	7	6	79	37	42	2.2	2.0	2.4
25~29	11	6	5	84	49	35	2.3	2.6	2.0
30~34	11	6	5	74	33	41	1.8	1.6	2.0
35~39	10	5	5	67	40	27	1.5	1.7	1.2
40~44	6	4	2	67	51	16	1.2	1.8	0.6
45~49	7	7	0	99	71	28	1.8	2.5	1.0
50~54	22	20	2	120	94	26	2.5	3.9	1.1
55~59	19	14	5	111	89	22	2.5	4.0	1.0
60~64	26	23	3	152	130	22	3.3	5.8	1.0
65~69	40	29	11	235	184	51	4.1	6.6	1.7
70~74	30	26	4	255	183	72	5.6	8.6	3.0
75~79	43	33	10	339	220	119	8.6	12.5	5.5
80~84	66	43	23	452	287	165	14.6	22.8	9.0
85~89	68	44	24	539	305	234	27.2	44.6	18.0
90~	59	25	34	418	200	218	34.9	69.2	24.0

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

Population: as of 1st Oct. 2017

Table 3. Newly notified TB cases and rates by prefecture, Japan, 2018

	Jul.		Summation (Jan.-Jul.)		Notification rate (per 100,000)	
	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)
Total	1,300	437	8,715	3,117	11.8	4.2
Hokkaido	24	10	241	86	7.8	2.8
Aomori	8	4	70	29	9.4	3.9
Iwate	8	6	58	19	7.9	2.6
Miyagi	11	5	96	35	7.1	2.6
Akita	9	2	44	18	7.6	3.1
Yamagata	6	0	39	13	6.1	2.0
Fukushima	15	7	95	34	8.7	3.1
Ibaraki	19	5	151	60	9.0	3.6
Tochigi	4	1	96	30	8.4	2.6
Gunma	10	1	90	23	7.9	2.0
Saitama	78	27	474	169	11.1	4.0
Chiba	66	31	436	151	12.0	4.1
Tokyo	167	64	1,115	423	13.9	5.3
Kanagawa	84	23	578	202	10.8	3.8
Niigata	19	3	102	31	7.7	2.3
Toyama	13	7	59	18	9.6	2.9
Ishikawa	12	2	66	16	9.9	2.4
Fukui	7	2	41	16	9.0	3.5
Yamanashi	8	1	42	11	8.7	2.3
Nagano	18	7	102	37	8.4	3.1
Gifu	23	4	169	66	14.4	5.6
Shizuoka	25	5	215	62	10.0	2.9
Aichi	99	31	587	185	13.4	4.2
Mie	14	5	117	49	11.1	4.7
Shiga	8	2	70	24	8.5	2.9
Kyoto	39	10	209	75	13.8	4.9
Osaka	163	60	1,075	417	20.9	8.1
Hyogo	74	23	461	175	14.4	5.5
Nara	10	2	84	36	10.7	4.6
Wakayama	6	1	74	28	13.4	5.1
Tottori	3	2	25	8	7.6	2.4
Shimane	4	2	30	10	7.5	2.5
Okayama	13	2	111	39	10.0	3.5
Hiroshima	21	9	144	59	8.7	3.6
Yamaguchi	19	3	93	24	11.5	3.0
Tokushima	9	4	67	26	15.5	6.0
Kagawa	16	4	80	23	14.2	4.1
Ehime	16	7	73	24	9.2	3.0
Kochi	5	1	41	10	9.8	2.4
Fukuoka	63	20	350	124	11.7	4.2
Saga	5	4	46	23	9.6	4.8
Nagasaki	17	6	117	38	14.8	4.8
Kumamoto	14	6	113	42	11.0	4.1
Oita	22	9	95	41	14.1	6.1
Miyazaki	8	5	57	27	9.0	4.3
Kagoshima	11	1	97	26	10.2	2.7
Okinawa	7	1	120	35	14.3	4.2

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

Population: as of 1st Oct. 2017

Table 4. Newly notified TB cases and rates by major city, Japan, 2018

	Jul.		Summation (Jan.-Jul.)		Notification Rate (per 100,000)	
	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)
Total	480	167	3,151	1,132	14.6	5.2
Sapporo City	0	0	86	24	7.5	2.1
Sendai City	7	2	46	17	7.3	2.7
Saitama City	13	3	99	31	13.2	4.1
Chiba City	11	5	75	31	13.2	5.4
Yokohama City	37	9	246	75	11.3	3.4
Kawasaki City	15	4	115	35	13.1	4.0
Sagamihara City	6	1	31	14	7.4	3.3
Niigata City	10	2	40	9	8.5	1.9
Shizuoka City	2	0	44	15	10.7	3.6
Hamamatsu City	9	3	56	18	12.1	3.9
Nagoya City	45	17	254	93	18.8	6.9
Kyoto City	27	9	141	53	16.4	6.2
Osaka City	82	38	495	199	31.3	12.6
Sakai City	10	4	82	35	16.8	7.2
Kobe City	18	3	138	39	15.4	4.4
Okayama City	6	0	43	11	10.4	2.7
Hiroshima City	5	1	50	16	7.2	2.3
Kitakyushu City	16	5	85	28	15.3	5.0
Fukuoka City	17	5	100	39	10.9	4.3
Kumamoto City	5	1	51	21	11.8	4.9
23-ku area of Tokyo	139	55	874	329	15.9	6.0

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

Population: as of 1st Oct. 2017

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, 2018

	Jul.			Summation (Jan.-Jul.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	569	276	293	3,982	1,927	2,055	0.5	0.4	0.6
0~4	33	19	14	232	113	119	16.6	11.3	29.8
5~9	8	6	2	57	28	29	14.3	9.3	29.0
10~14	6	2	4	38	18	20	3.5	3.0	4.0
15~19	10	5	5	109	65	44	1.1	1.1	1.2
20~24	41	23	18	283	139	144	0.7	0.6	0.9
25~29	46	20	26	269	126	143	0.8	0.7	1.0
30~34	39	16	23	252	121	131	1.0	0.9	1.1
35~39	30	14	16	196	83	113	0.9	0.7	1.1
40~44	36	13	23	263	104	159	1.1	0.7	2.2
45~49	42	18	24	267	111	156	0.8	0.5	1.3
50~54	38	16	22	274	109	165	0.9	0.5	1.6
55~59	32	19	13	231	95	136	0.7	0.4	1.3
60~64	35	19	16	276	139	137	0.7	0.5	1.3
65~69	47	25	22	360	224	136	0.6	0.5	0.8
70~74	42	19	23	282	165	117	0.4	0.3	0.5
75~79	40	22	18	282	148	134	0.3	0.2	0.4
80~84	21	14	7	171	84	87	0.1	0.1	0.2
85~89	16	6	10	99	44	55	0.1	0.1	0.1
90~	7	0	7	41	11	30	0.0	0.0	0.1

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, 2018

	Jul.	Summation (Jan.-Jul.)	
	LTBI	LTBI	(Ratio) LTBI /new TB
Total	569	3,982	0.46
Hokkaido	14	99	0.41
Aomori	15	41	0.59
Iwate	2	39	0.67
Miyagi	8	76	0.79
Akita	3	23	0.52
Yamagata	0	12	0.31
Fukushima	3	19	0.20
Ibaraki	12	70	0.46
Tochigi	2	27	0.28
Gunma	6	32	0.36
Saitama	40	224	0.47
Chiba	31	208	0.48
Tokyo	75	590	0.53
Kanagawa	37	293	0.51
Niigata	8	71	0.70
Toyama	14	59	1.00
Ishikawa	3	30	0.45
Fukui	2	26	0.63
Yamanashi	1	13	0.31
Nagano	8	48	0.47
Gifu	7	50	0.30
Shizuoka	6	49	0.23
Aichi	24	234	0.40
Mie	5	49	0.42
Shiga	13	52	0.74
Kyoto	10	111	0.53
Osaka	63	424	0.39
Hyogo	29	176	0.38
Nara	10	46	0.55
Wakayama	5	29	0.39
Tottori	1	9	0.36
Shimane	0	10	0.33
Okayama	8	79	0.71
Hiroshima	9	72	0.50
Yamaguchi	5	31	0.33
Tokushima	6	16	0.24
Kagawa	10	37	0.46
Ehime	3	21	0.29
Kochi	1	12	0.29
Fukuoka	22	167	0.48
Saga	3	20	0.43
Nagasaki	10	42	0.36
Kumamoto	4	31	0.27
Oita	4	40	0.42
Miyazaki	3	26	0.46
Kagoshima	12	52	0.54
Okinawa	12	97	0.81

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, 2018

	Jul.	Summation (Jan.-Jul.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	183	1,396	0.44
Sapporo City	0	36	0.42
Sendai City	8	60	1.30
Saitama City	4	25	0.25
Chiba City	5	30	0.40
Yokohama City	12	90	0.37
Kawasaki City	11	62	0.54
Sagamihara City	1	8	0.26
Niigata City	2	25	0.63
Shizuoka City	1	3	0.07
Hamamatsu City	1	14	0.25
Nagoya City	8	88	0.35
Kyoto City	7	63	0.45
Osaka City	30	168	0.34
Sakai City	5	29	0.35
Kobe City	10	65	0.47
Okayama City	6	45	1.05
Hiroshima City	1	16	0.32
Kitakyushu City	5	31	0.36
Fukuoka City	5	45	0.45
Kumamoto City	2	12	0.24
23-ku area of Tokyo	59	481	0.55

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