



## Monthly Report of Tuberculosis Surveillance, Japan – November, 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

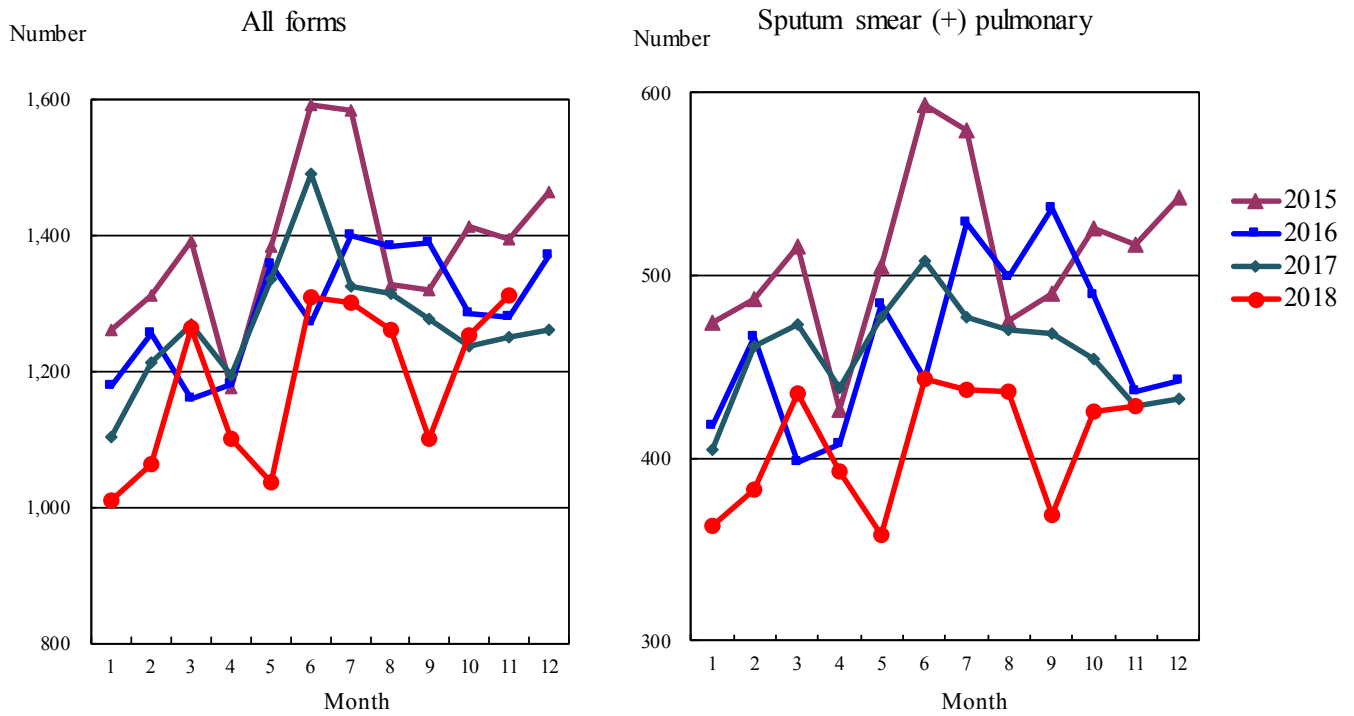


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Nov.) 2018

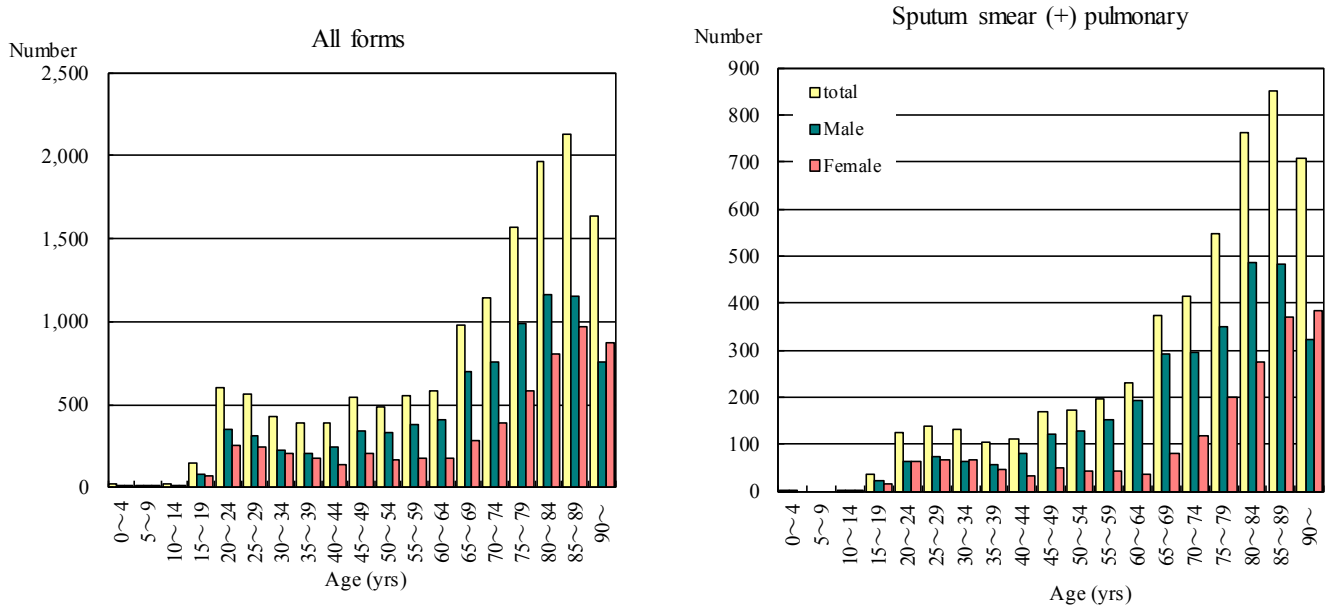


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Nov.) 2018

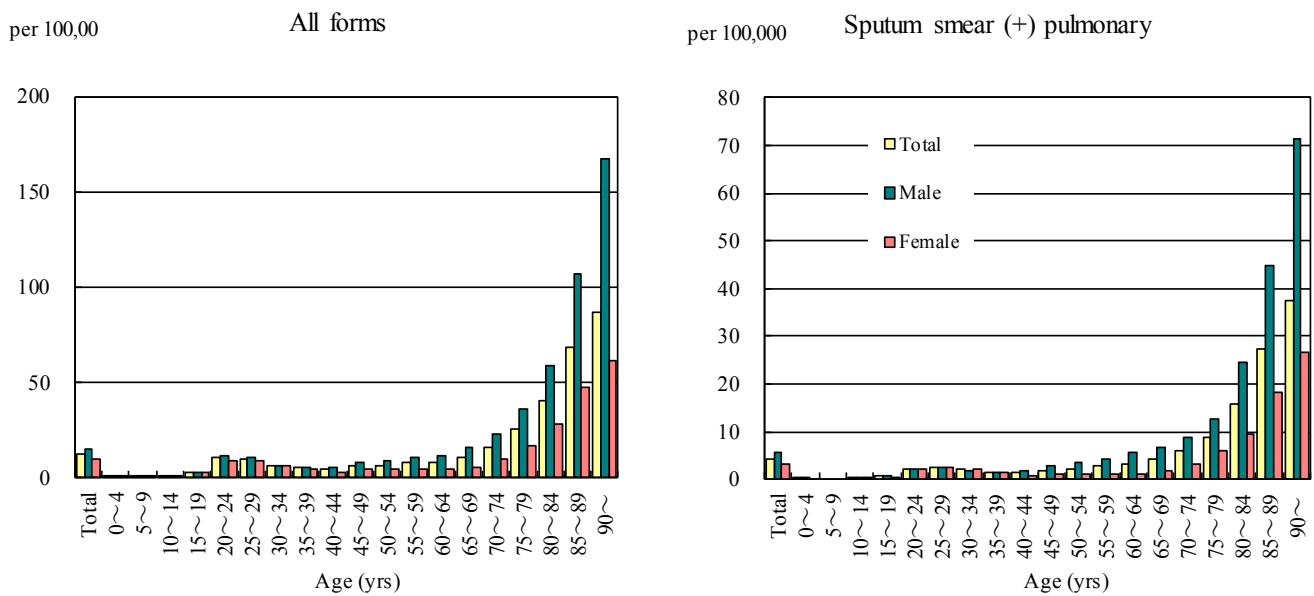


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Nov.) 2018

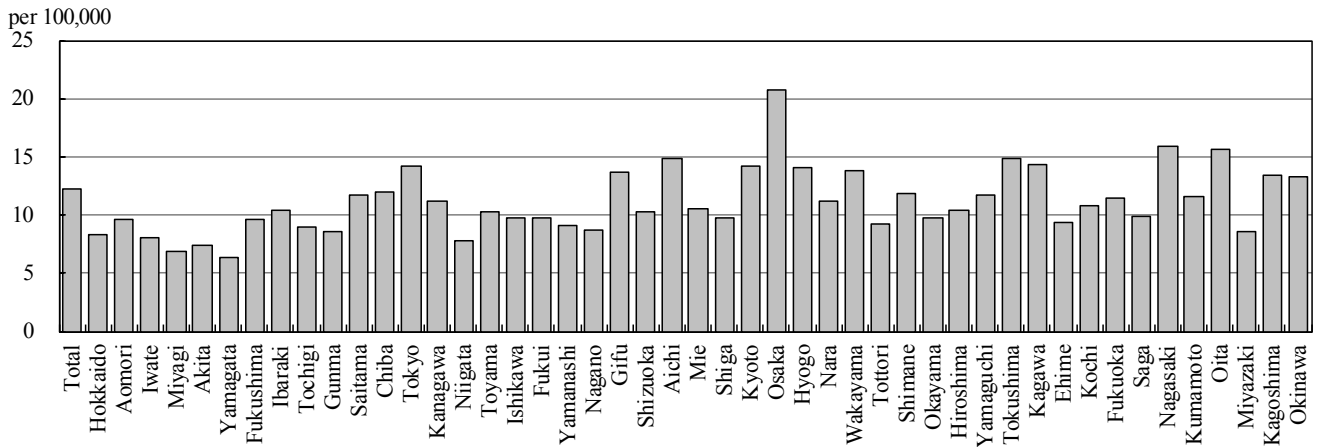


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Nov.) 2018

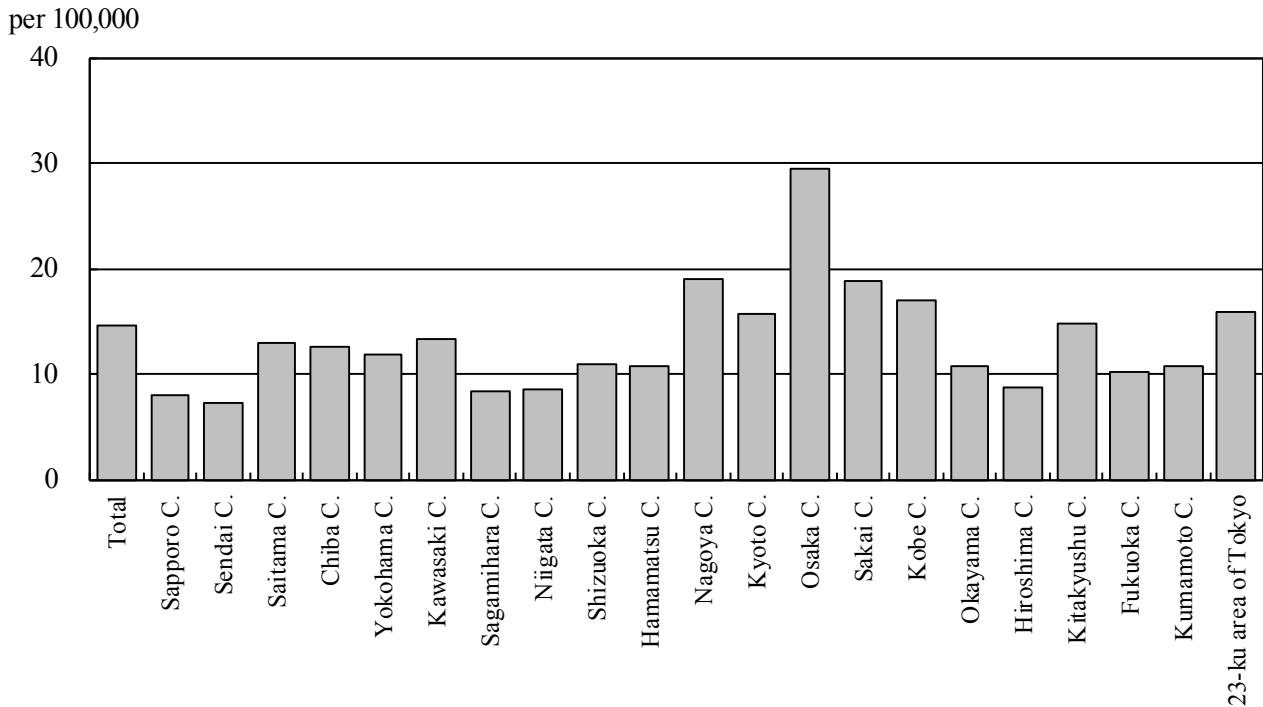


Figure 6. Number of LTBI, Japan, 2015-2018

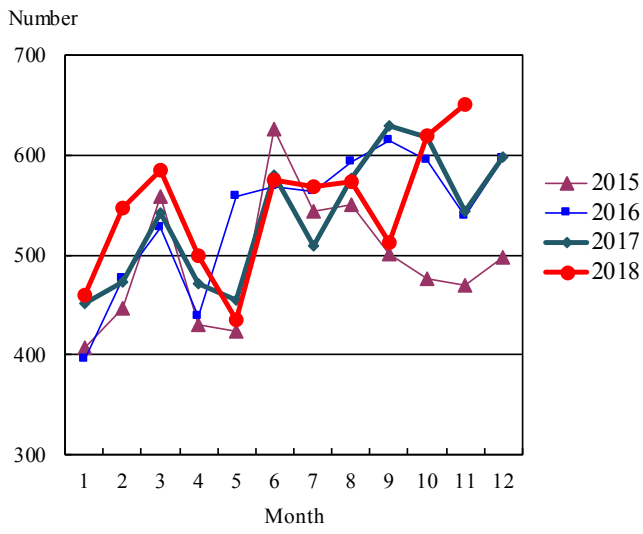


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Nov.) 2018

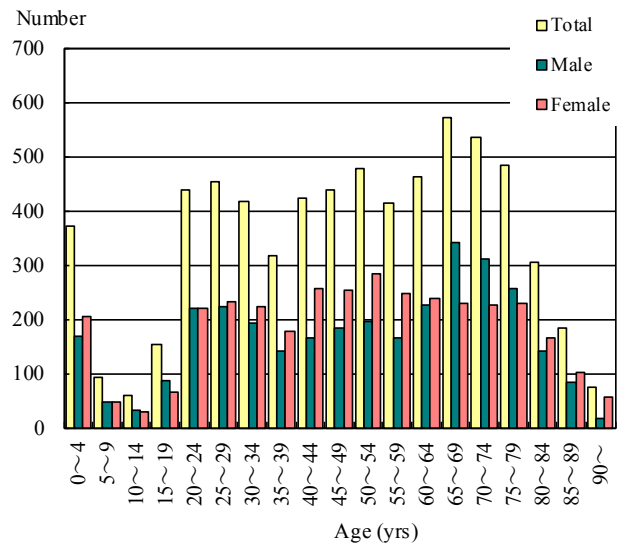


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2018

	Nov.			Summation (Jan.-Nov.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,311	783	528	14,150	8,425	5,725	12.2	14.9	9.6
0~4	3	2	1	20	14	6	0.4	0.6	0.3
5~9	1	0	1	6	3	3	0.1	0.1	0.1
10~14	1	1	0	19	12	7	0.4	0.5	0.3
15~19	12	9	3	149	83	66	2.7	2.9	2.5
20~24	56	32	24	602	347	255	10.5	11.8	9.2
25~29	57	31	26	564	317	247	9.8	10.7	8.8
30~34	37	24	13	426	224	202	6.5	6.8	6.3
35~39	35	17	18	386	210	176	5.3	5.7	4.9
40~44	39	20	19	386	244	142	4.5	5.6	3.3
45~49	57	39	18	548	338	210	6.3	7.7	4.9
50~54	43	30	13	491	328	163	6.6	8.7	4.4
55~59	62	41	21	553	376	177	7.9	10.8	5.1
60~64	46	32	14	585	410	175	8.2	11.6	4.8
65~69	90	63	27	976	697	279	10.7	15.8	5.9
70~74	112	73	39	1,141	756	385	16.1	22.7	10.2
75~79	163	101	62	1,567	986	581	25.4	35.7	17.0
80~84	170	96	74	1,967	1,166	801	40.5	59.0	27.9
85~89	198	114	84	2,128	1,154	974	68.4	107.3	47.8
90~	129	58	71	1,636	760	876	86.9	167.2	61.3

Temporary registrants = 21, Total of registrants and temporary registrants = 1,332

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

	Nov.			Summation (Jan.-Nov.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	428	273	155	5,068	3,183	1,885	4.4	5.6	3.2
0~4	0	0	0	1	1	0	0.0	0.0	0.0
5~9	0	0	0	0	0	0	0.0	0.0	0.0
10~14	0	0	0	3	1	2	0.1	0.0	0.1
15~19	2	2	0	36	22	14	0.7	0.8	0.5
20~24	15	8	7	125	63	62	2.2	2.1	2.2
25~29	15	5	10	138	72	66	2.4	2.4	2.3
30~34	11	7	4	130	63	67	2.0	1.9	2.1
35~39	8	4	4	105	58	47	1.5	1.6	1.3
40~44	6	2	4	111	79	32	1.3	1.8	0.7
45~49	23	18	5	169	121	48	1.9	2.8	1.1
50~54	14	9	5	173	129	44	2.3	3.4	1.2
55~59	19	15	4	195	153	42	2.8	4.4	1.2
60~64	15	14	1	229	194	35	3.2	5.5	1.0
65~69	34	27	7	373	293	80	4.1	6.7	1.7
70~74	32	24	8	414	296	118	5.8	8.9	3.1
75~79	50	32	18	549	348	201	8.9	12.6	5.9
80~84	54	33	21	761	485	276	15.7	24.5	9.6
85~89	75	46	29	850	481	369	27.3	44.7	18.1
90~	55	27	28	706	324	382	37.5	71.3	26.7

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

	Nov.		Summation (Jan.-Nov.)		Notification rate (per 100,000)	
	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)
Total	1,311	428	14,150	5,068	12.2	4.4
Hokkaido	40	12	403	135	8.3	2.8
Aomori	11	2	112	41	9.6	3.5
Iwate	5	0	93	35	8.1	3.0
Miyagi	11	6	147	56	6.9	2.6
Akita	7	2	67	25	7.3	2.7
Yamagata	9	4	64	21	6.3	2.1
Fukushima	17	7	166	58	9.6	3.4
Ibaraki	22	12	277	114	10.4	4.3
Tochigi	19	5	161	49	9.0	2.7
Gunma	20	8	155	43	8.6	2.4
Saitama	69	19	782	274	11.7	4.1
Chiba	55	10	686	237	12.0	4.1
Tokyo	175	65	1,784	679	14.2	5.4
Kanagawa	79	27	938	330	11.2	3.9
Niigata	13	0	161	54	7.7	2.6
Toyama	8	3	99	28	10.2	2.9
Ishikawa	11	3	103	29	9.8	2.8
Fukui	4	1	70	23	9.8	3.2
Yamanashi	6	0	69	17	9.1	2.3
Nagano	14	9	165	63	8.7	3.3
Gifu	24	9	253	95	13.7	5.2
Shizuoka	29	7	345	108	10.2	3.2
Aichi	106	34	1,023	345	14.8	5.0
Mie	15	4	173	69	10.5	4.2
Shiga	9	1	126	39	9.7	3.0
Kyoto	31	8	337	121	14.1	5.1
Osaka	167	66	1,673	652	20.7	8.1
Hyogo	65	21	713	271	14.1	5.4
Nara	19	5	139	57	11.3	4.6
Wakayama	5	3	120	45	13.9	5.2
Tottori	2	1	48	18	9.3	3.5
Shimane	5	2	74	22	11.8	3.5
Okayama	22	7	170	61	9.7	3.5
Hiroshima	32	11	269	103	10.4	4.0
Yamaguchi	16	8	149	45	11.8	3.5
Tokushima	5	1	101	37	14.8	5.4
Kagawa	9	2	127	36	14.3	4.1
Ehime	12	3	117	38	9.4	3.0
Kochi	7	1	71	21	10.9	3.2
Fukuoka	36	13	536	192	11.5	4.1
Saga	7	3	75	33	9.9	4.4
Nagasaki	22	3	198	60	16.0	4.8
Kumamoto	18	5	187	69	11.6	4.3
Oita	16	7	165	72	15.6	6.8
Miyazaki	3	1	85	37	8.5	3.7
Kagoshima	20	3	199	60	13.4	4.0
Okinawa	14	4	175	51	13.2	3.9

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

	Nov.		Summation (Jan.-Nov.)		Notification Rate (per 100,000)	
	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)
Total	467	162	4,961	1,817	14.6	5.3
Sapporo City	12	3	143	42	7.9	2.3
Sendai City	8	4	72	26	7.2	2.6
Saitama City	18	5	154	53	13.0	4.5
Chiba City	7	1	112	43	12.5	4.8
Yokohama City	31	15	405	135	11.8	3.9
Kawasaki City	22	5	184	60	13.3	4.4
Sagamihara City	5	1	55	22	8.3	3.3
Niigata City	4	0	63	19	8.5	2.6
Shizuoka City	0	0	71	29	11.0	4.5
Hamamatsu City	8	1	78	23	10.7	3.2
Nagoya City	42	14	403	149	19.0	7.0
Kyoto City	17	5	212	81	15.7	6.0
Osaka City	65	29	732	294	29.4	11.8
Sakai City	22	8	144	61	18.8	8.0
Kobe City	28	8	239	66	17.0	4.7
Okayama City	8	5	70	21	10.8	3.2
Hiroshima City	16	7	96	34	8.7	3.1
Kitakyushu City	6	1	128	42	14.7	4.8
Fukuoka City	10	3	146	59	10.2	4.1
Kumamoto City	7	1	73	30	10.8	4.4
23-ku area of Tokyo	131	46	1,381	528	15.9	6.1

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

	Nov.			Summation (Jan.-Nov.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	651	323	328	6,670	3,191	3,479	0.5	0.4	0.6
0~4	40	13	27	371	167	204	18.6	11.9	34.0
5~9	14	8	6	92	46	46	15.3	15.3	15.3
10~14	6	4	2	60	31	29	3.2	2.6	4.1
15~19	10	6	4	153	87	66	1.0	1.0	1.0
20~24	25	15	10	439	220	219	0.7	0.6	0.9
25~29	31	18	13	454	223	231	0.8	0.7	0.9
30~34	36	21	15	416	193	223	1.0	0.9	1.1
35~39	32	17	15	318	140	178	0.8	0.7	1.0
40~44	29	11	18	422	166	256	1.1	0.7	1.8
45~49	40	17	23	437	183	254	0.8	0.5	1.2
50~54	60	18	42	478	195	283	1.0	0.6	1.7
55~59	40	21	19	414	166	248	0.7	0.4	1.4
60~64	49	20	29	463	226	237	0.8	0.6	1.4
65~69	65	41	24	572	342	230	0.6	0.5	0.8
70~74	60	34	26	536	311	225	0.5	0.4	0.6
75~79	56	32	24	484	255	229	0.3	0.3	0.4
80~84	31	16	15	305	140	165	0.2	0.1	0.2
85~89	18	7	11	183	82	101	0.1	0.1	0.1
90~	9	4	5	73	18	55	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

	Nov.	Summation (Jan.-Nov.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	651	6,670	0.47
Hokkaido	19	187	0.46
Aomori	13	70	0.63
Iwate	5	60	0.65
Miyagi	21	167	1.14
Akita	10	57	0.85
Yamagata	2	22	0.34
Fukushima	9	58	0.35
Ibaraki	10	142	0.51
Tochigi	7	49	0.30
Gunma	13	62	0.40
Saitama	48	405	0.52
Chiba	30	303	0.44
Tokyo	87	932	0.52
Kanagawa	54	485	0.52
Niigata	12	110	0.68
Toyama	11	83	0.84
Ishikawa	3	48	0.47
Fukui	1	39	0.56
Yamanashi	7	33	0.48
Nagano	11	101	0.61
Gifu	4	90	0.36
Shizuoka	9	109	0.32
Aichi	34	382	0.37
Mie	2	71	0.41
Shiga	9	76	0.60
Kyoto	15	176	0.52
Osaka	74	701	0.42
Hyogo	19	266	0.37
Nara	1	65	0.47
Wakayama	3	45	0.38
Tottori	1	17	0.35
Shimane	7	25	0.34
Okayama	8	129	0.76
Hiroshima	7	140	0.52
Yamaguchi	1	50	0.34
Tokushima	3	26	0.26
Kagawa	2	47	0.37
Ehime	1	32	0.27
Kochi	4	20	0.28
Fukuoka	20	265	0.49
Saga	2	28	0.37
Nagasaki	5	69	0.35
Kumamoto	9	63	0.34
Oita	11	84	0.51
Miyazaki	5	49	0.58
Kagoshima	11	90	0.45
Okinawa	11	142	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

	Nov.	Summation (Jan.-Nov.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	234	2,337	0.47
Sapporo City	10	84	0.59
Sendai City	15	122	1.69
Saitama City	5	39	0.25
Chiba City	4	39	0.35
Yokohama City	14	153	0.38
Kawasaki City	17	101	0.55
Sagamihara City	2	18	0.33
Niigata City	2	42	0.67
Shizuoka City	1	18	0.25
Hamamatsu City	2	31	0.40
Nagoya City	16	127	0.32
Kyoto City	12	96	0.45
Osaka City	31	295	0.40
Sakai City	4	50	0.35
Kobe City	8	102	0.43
Okayama City	3	58	0.83
Hiroshima City	1	26	0.27
Kitakyushu City	4	74	0.58
Fukuoka City	4	71	0.49
Kumamoto City	5	27	0.37
23-ku area of Tokyo	74	764	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