



Monthly Report of Tuberculosis Surveillance, Japan –October, 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 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.

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

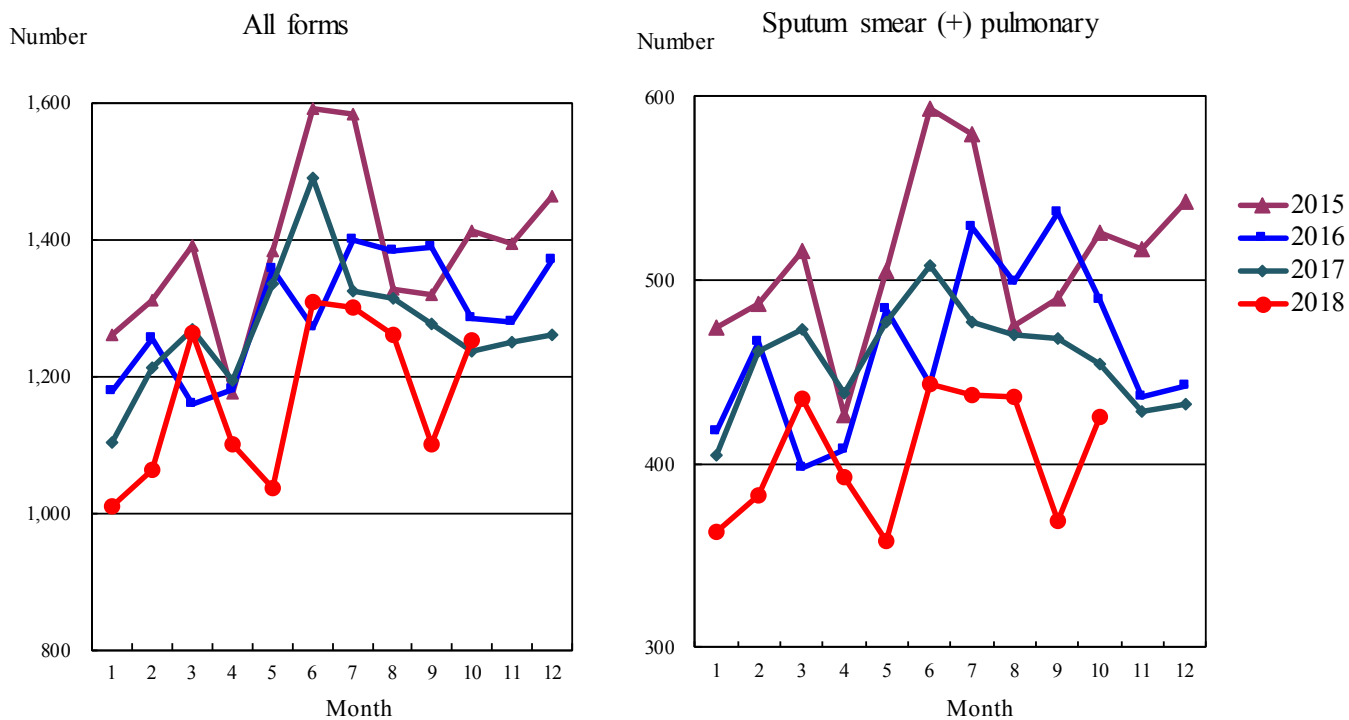


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Oct.) 2018

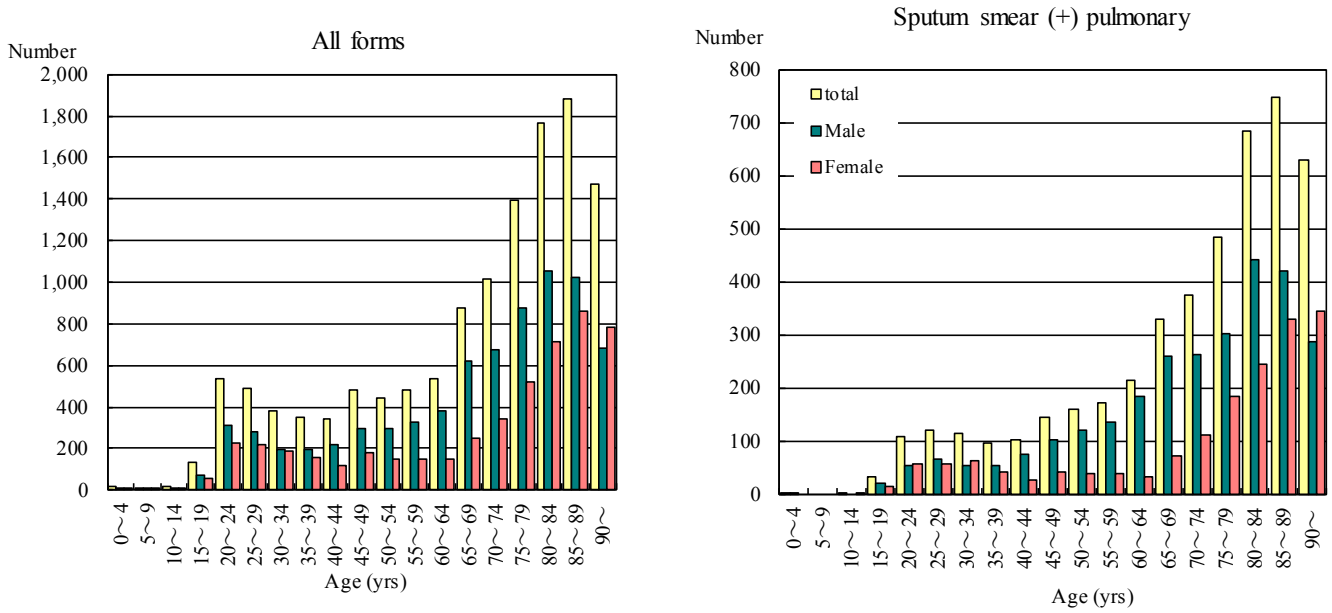


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Oct.) 2018

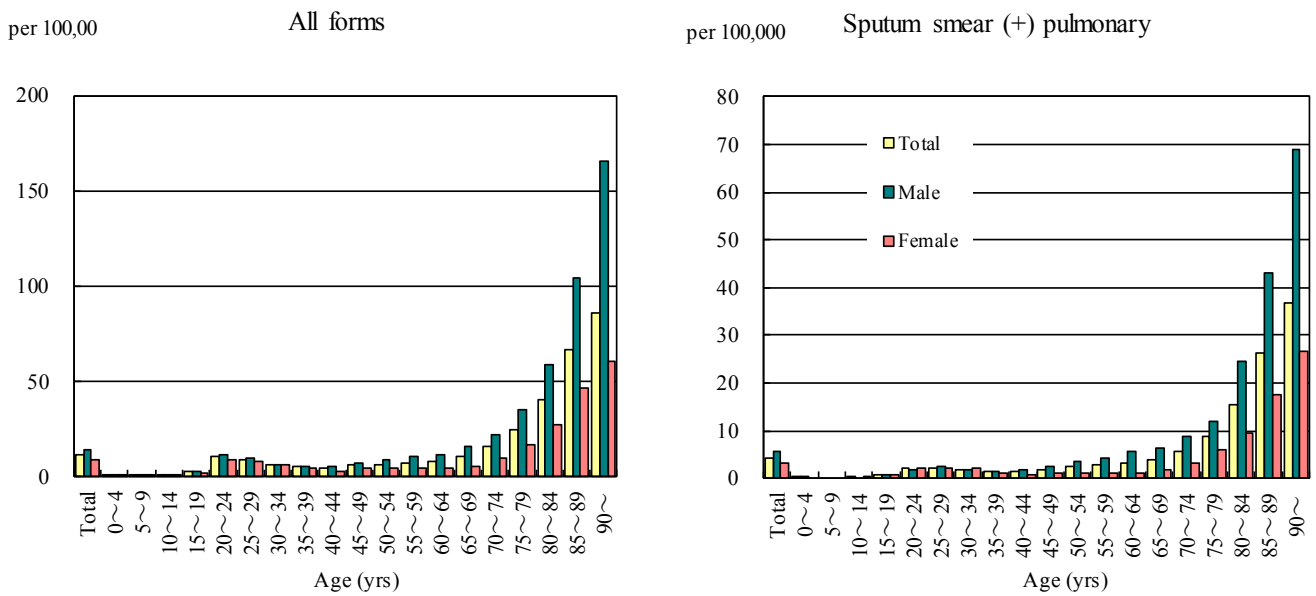


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Oct.) 2018

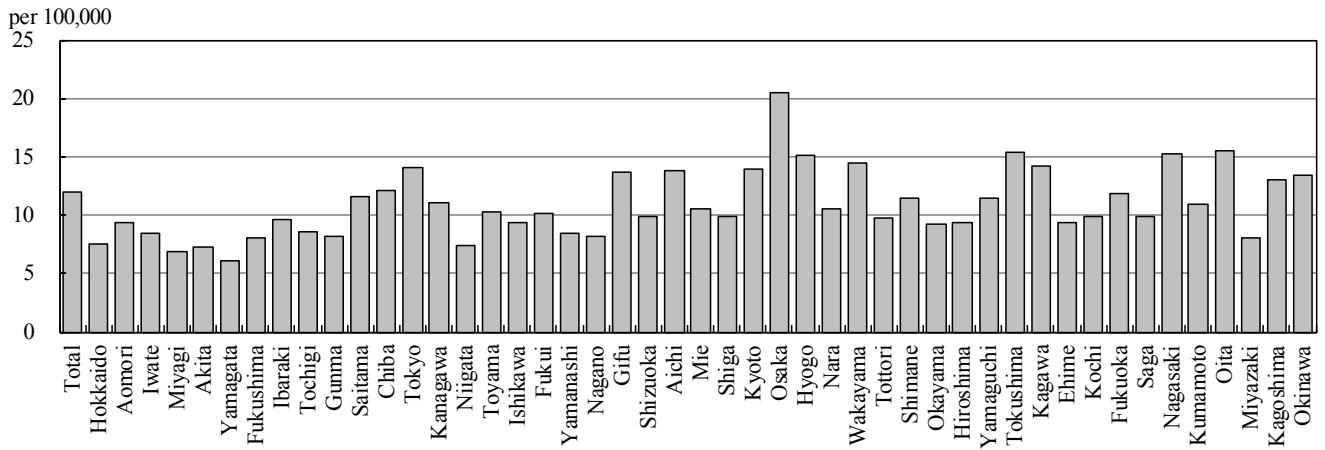


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Oct.) 2018

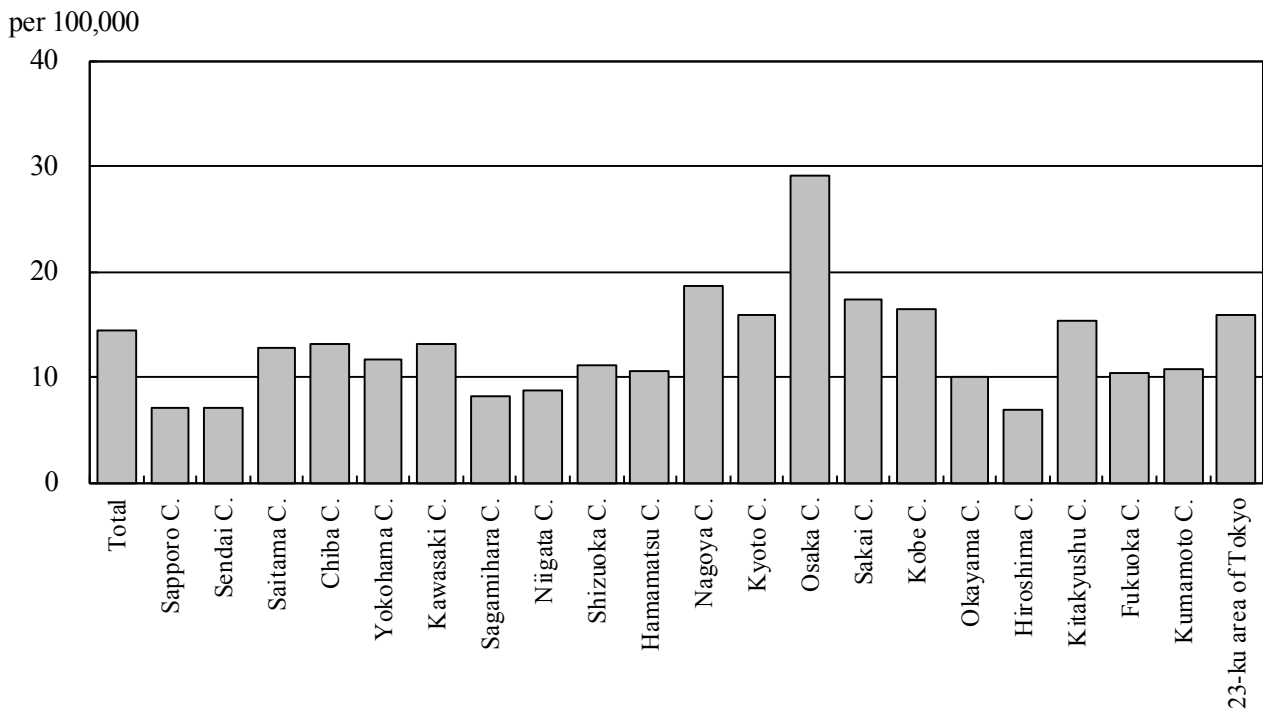


Figure 6. Number of LTBI, Japan, 2015-2018

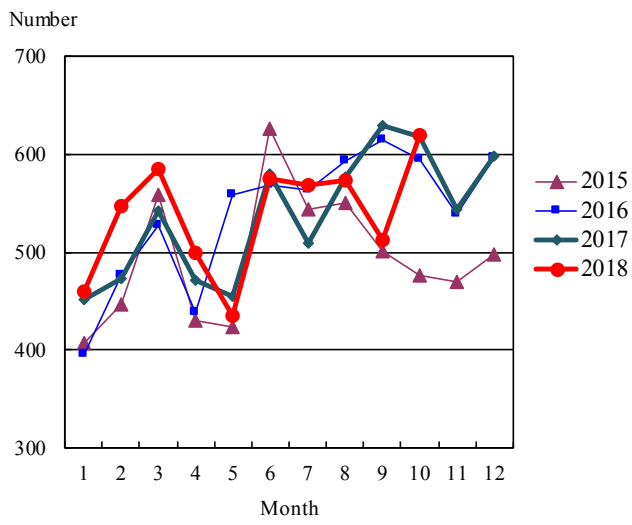


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Oct.) 2018

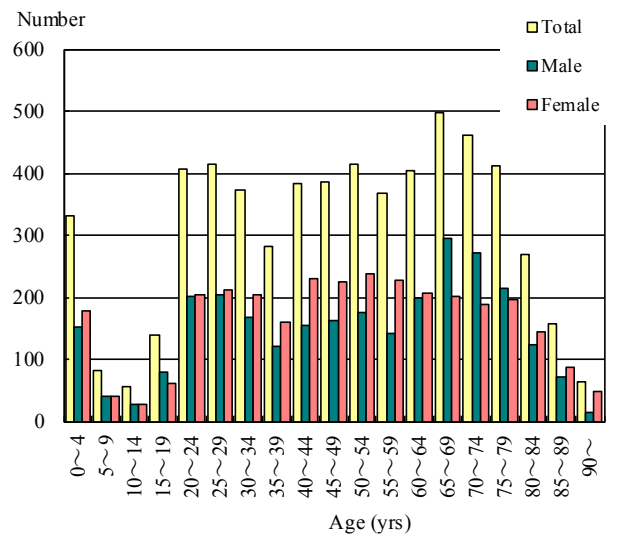


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2018

	Oct.			Summation (Jan.-Oct.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,252	709	543	12,618	7,533	5,085	12.0	14.7	9.4
0~4	2	1	1	17	11	6	0.4	0.5	0.3
5~9	1	0	1	5	3	2	0.1	0.1	0.1
10~14	2	1	1	17	10	7	0.4	0.4	0.3
15~19	14	5	9	131	73	58	2.6	2.8	2.4
20~24	52	31	21	536	308	228	10.3	11.5	9.1
25~29	45	22	23	492	277	215	9.4	10.3	8.4
30~34	43	17	26	378	192	186	6.4	6.4	6.4
35~39	24	11	13	349	194	155	5.3	5.8	4.8
40~44	34	20	14	341	221	120	4.3	5.5	3.1
45~49	46	26	20	484	300	184	6.1	7.5	4.7
50~54	35	20	15	445	295	150	6.5	8.6	4.4
55~59	46	33	13	482	330	152	7.6	10.5	4.8
60~64	37	29	8	534	381	153	8.2	11.9	4.6
65~69	88	53	35	873	624	249	10.6	15.6	5.8
70~74	100	67	33	1,017	676	341	15.7	22.4	9.9
75~79	152	91	61	1,394	876	518	24.8	34.9	16.7
80~84	179	105	74	1,767	1,057	710	40.1	58.8	27.2
85~89	184	104	80	1,884	1,020	864	66.6	104.3	46.7
90~	168	73	95	1,472	685	787	86.0	165.8	60.6

Temporary registrants = 54, Total of registrants and temporary registrants = 1,306

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

	Oct.			Summation (Jan.-Oct.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	425	242	183	4,514	2,827	1,687	4.3	5.5	3.1
0~4	1	1	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	2	0	2	0.0	0.0	0.1
15~19	4	0	4	33	19	14	0.7	0.7	0.6
20~24	8	4	4	107	52	55	2.1	1.9	2.2
25~29	9	4	5	121	66	55	2.3	2.5	2.2
30~34	13	5	8	113	52	61	1.9	1.7	2.1
35~39	3	1	2	95	54	41	1.4	1.6	1.3
40~44	10	6	4	102	75	27	1.3	1.9	0.7
45~49	12	7	5	144	102	42	1.8	2.6	1.1
50~54	8	5	3	158	120	38	2.3	3.5	1.1
55~59	21	16	5	172	134	38	2.7	4.2	1.2
60~64	17	14	3	215	182	33	3.3	5.7	1.0
65~69	37	24	13	330	258	72	4.0	6.5	1.7
70~74	35	23	12	373	263	110	5.8	8.7	3.2
75~79	52	32	20	485	303	182	8.6	12.1	5.9
80~84	63	44	19	685	441	244	15.5	24.5	9.3
85~89	65	32	33	748	420	328	26.4	43.0	17.7
90~	67	24	43	630	285	345	36.8	69.0	26.6

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

	Oct.		Summation (Jan.-Oct.)		Notification rate (per 100,000)	
	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)
Total	1,252	425	12,618	4,514	12.0	4.3
Hokkaido	14	4	334	113	7.5	2.5
Aomori	9	2	100	40	9.4	3.8
Iwate	9	4	88	33	8.4	3.2
Miyagi	10	3	133	48	6.9	2.5
Akita	7	5	60	25	7.2	3.0
Yamagata	11	4	56	17	6.1	1.9
Fukushima	7	2	126	43	8.0	2.7
Ibaraki	22	7	232	90	9.6	3.7
Tochigi	13	3	140	42	8.6	2.6
Gunma	19	3	133	34	8.1	2.1
Saitama	65	20	703	247	11.5	4.1
Chiba	60	23	630	222	12.1	4.3
Tokyo	174	49	1,604	601	14.0	5.3
Kanagawa	96	34	845	292	11.1	3.8
Niigata	11	4	140	49	7.4	2.6
Toyama	9	4	90	25	10.2	2.8
Ishikawa	7	2	89	25	9.3	2.6
Fukui	5	0	66	21	10.2	3.2
Yamanashi	6	2	58	16	8.5	2.3
Nagano	3	1	142	52	8.2	3.0
Gifu	25	12	229	86	13.7	5.1
Shizuoka	28	12	302	95	9.9	3.1
Aichi	84	30	862	288	13.7	4.6
Mie	12	6	158	65	10.5	4.3
Shiga	12	5	116	37	9.9	3.1
Kyoto	30	10	301	109	13.9	5.0
Osaka	160	65	1,508	582	20.5	7.9
Hyogo	73	26	694	276	15.1	6.0
Nara	12	4	118	49	10.5	4.4
Wakayama	8	2	114	42	14.5	5.3
Tottori	6	2	46	17	9.8	3.6
Shimane	8	0	65	18	11.4	3.2
Okayama	9	2	146	53	9.2	3.3
Hiroshima	13	3	222	85	9.4	3.6
Yamaguchi	11	3	132	32	11.5	2.8
Tokushima	14	2	95	36	15.3	5.8
Kagawa	18	5	114	32	14.1	4.0
Ehime	15	4	106	35	9.3	3.1
Kochi	8	3	59	17	9.9	2.9
Fukuoka	57	20	503	181	11.8	4.3
Saga	9	2	68	29	9.9	4.2
Nagasaki	17	4	172	56	15.2	5.0
Kumamoto	15	8	160	63	10.9	4.3
Oita	21	9	149	63	15.5	6.6
Miyazaki	4	1	73	32	8.0	3.5
Kagoshima	14	5	176	54	13.0	4.0
Okinawa	12	4	161	47	13.4	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

	Oct.		Summation (Jan.-Oct.)		Notification Rate (per 100,000)	
	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)
Total	457	163	4,431	1,613	14.3	5.2
Sapporo City	0	0	115	32	7.0	2.0
Sendai City	5	1	64	22	7.1	2.4
Saitama City	15	8	137	48	12.7	4.5
Chiba City	11	3	107	42	13.2	5.2
Yokohama City	40	12	361	111	11.6	3.6
Kawasaki City	20	8	164	55	13.1	4.4
Sagamihara City	6	2	49	21	8.1	3.5
Niigata City	7	4	59	19	8.8	2.8
Shizuoka City	8	5	65	27	11.0	4.6
Hamamatsu City	7	4	70	22	10.6	3.3
Nagoya City	42	13	360	132	18.7	6.8
Kyoto City	24	8	195	73	15.9	6.0
Osaka City	61	26	658	259	29.1	11.5
Sakai City	14	6	121	53	17.4	7.6
Kobe City	26	5	210	60	16.4	4.7
Okayama City	6	2	59	15	10.0	2.5
Hiroshima City	6	0	69	23	6.9	2.3
Kitakyushu City	12	3	122	41	15.4	5.2
Fukuoka City	13	6	135	56	10.3	4.3
Kumamoto City	7	4	66	29	10.7	4.7
23-ku area of Tokyo	127	43	1,245	473	15.8	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

	Oct.			Summation (Jan.-Oct.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	619	274	345	5,893	2,815	3,078	0.5	0.4	0.6
0~4	33	8	25	330	151	179	19.4	13.7	29.8
5~9	7	5	2	81	41	40	16.2	13.7	20.0
10~14	5	1	4	55	27	28	3.2	2.7	4.0
15~19	10	5	5	139	79	60	1.1	1.1	1.0
20~24	45	25	20	406	202	204	0.8	0.7	0.9
25~29	54	31	23	414	203	211	0.8	0.7	1.0
30~34	40	15	25	372	168	204	1.0	0.9	1.1
35~39	24	10	14	281	121	160	0.8	0.6	1.0
40~44	37	17	20	384	154	230	1.1	0.7	1.9
45~49	38	12	26	386	162	224	0.8	0.5	1.2
50~54	40	19	21	414	176	238	0.9	0.6	1.6
55~59	38	11	27	368	142	226	0.8	0.4	1.5
60~64	42	13	29	405	198	207	0.8	0.5	1.4
65~69	38	22	16	497	296	201	0.6	0.5	0.8
70~74	53	37	16	460	271	189	0.5	0.4	0.6
75~79	46	21	25	412	215	197	0.3	0.2	0.4
80~84	42	15	27	268	124	144	0.2	0.1	0.2
85~89	18	6	12	158	71	87	0.1	0.1	0.1
90~	9	1	8	63	14	49	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

	Oct.	Summation (Jan.-Oct.)	
	LTBI	LTBI	(Ratio) LTBI /new TB
Total	619	5,893	0.47
Hokkaido	7	148	0.44
Aomori	6	57	0.57
Iwate	5	54	0.61
Miyagi	26	145	1.09
Akita	11	48	0.80
Yamagata	2	20	0.36
Fukushima	3	31	0.25
Ibaraki	13	124	0.53
Tochigi	7	41	0.29
Gunma	2	48	0.36
Saitama	30	351	0.50
Chiba	21	274	0.43
Tokyo	75	840	0.52
Kanagawa	49	419	0.50
Niigata	14	96	0.69
Toyama	4	72	0.80
Ishikawa	5	43	0.48
Fukui	3	38	0.58
Yamanashi	7	23	0.40
Nagano	5	87	0.61
Gifu	14	87	0.38
Shizuoka	16	97	0.32
Aichi	22	327	0.38
Mie	6	69	0.44
Shiga	3	66	0.57
Kyoto	21	153	0.51
Osaka	64	622	0.41
Hyogo	34	276	0.40
Nara	4	62	0.53
Wakayama	1	42	0.37
Tottori	3	16	0.35
Shimane	1	15	0.23
Okayama	11	120	0.82
Hiroshima	13	113	0.51
Yamaguchi	4	49	0.37
Tokushima	3	22	0.23
Kagawa	2	45	0.39
Ehime	6	31	0.29
Kochi	1	16	0.27
Fukuoka	36	245	0.49
Saga	1	25	0.37
Nagasaki	8	62	0.36
Kumamoto	13	53	0.33
Oita	15	72	0.48
Miyazaki	3	40	0.55
Kagoshima	7	78	0.44
Okinawa	12	131	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

	Oct.	Summation (Jan.-Oct.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	243	2,058	0.46
Sapporo City	0	58	0.50
Sendai City	17	107	1.67
Saitama City	1	34	0.25
Chiba City	4	35	0.33
Yokohama City	13	131	0.36
Kawasaki City	11	83	0.51
Sagamihara City	2	15	0.31
Niigata City	10	40	0.68
Shizuoka City	4	15	0.23
Hamamatsu City	7	29	0.41
Nagoya City	6	110	0.31
Kyoto City	13	83	0.43
Osaka City	37	259	0.39
Sakai City	6	46	0.38
Kobe City	7	95	0.45
Okayama City	1	55	0.93
Hiroshima City	1	19	0.28
Kitakyushu City	20	70	0.57
Fukuoka City	10	67	0.50
Kumamoto City	8	22	0.33
23-ku area of Tokyo	65	685	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