



Monthly Report of Tuberculosis Surveillance, Japan – December, 2019

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.

Figures

Figure 1. Number of newly notified TB cases by month, Japan, 2016-2019

Figure 2. Newly notified TB cases by sex and age, Japan, summation (Jan. - Dec.) 2019

Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan. - Dec.) 2019

Figure 4. Notification rate of TB by prefecture, Japan, summation (Jan. - Dec.) 2019

Figure 5. Notification rate of TB by major city, Japan, summation (Jan. - Dec.) 2019

Figure 6. Number of LTBI, Japan, 2019

Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan. - Dec.) 2016-2019

Tables

Table 1. Newly notified TB cases and rates by sex and age, Japan, 2019

Table 2. Newly notified sputum smear positive pulmonary TB cases and rates by sex and age, Japan, 2019

Table 3. Newly notified TB cases and rates by prefecture, Japan, 2019

Table 4. Newly notified TB cases and rates by major city, Japan, 2019

Table 5. LTBI cases and rates by sex and age, Japan, 2019

Table 6. LTBI cases and rates by prefecture, Japan, 2019

Table 7. LTBI cases and rates by major city, Japan, 2019

Figure 1. Number of newly notified TB cases by month, Japan, 2016-2019

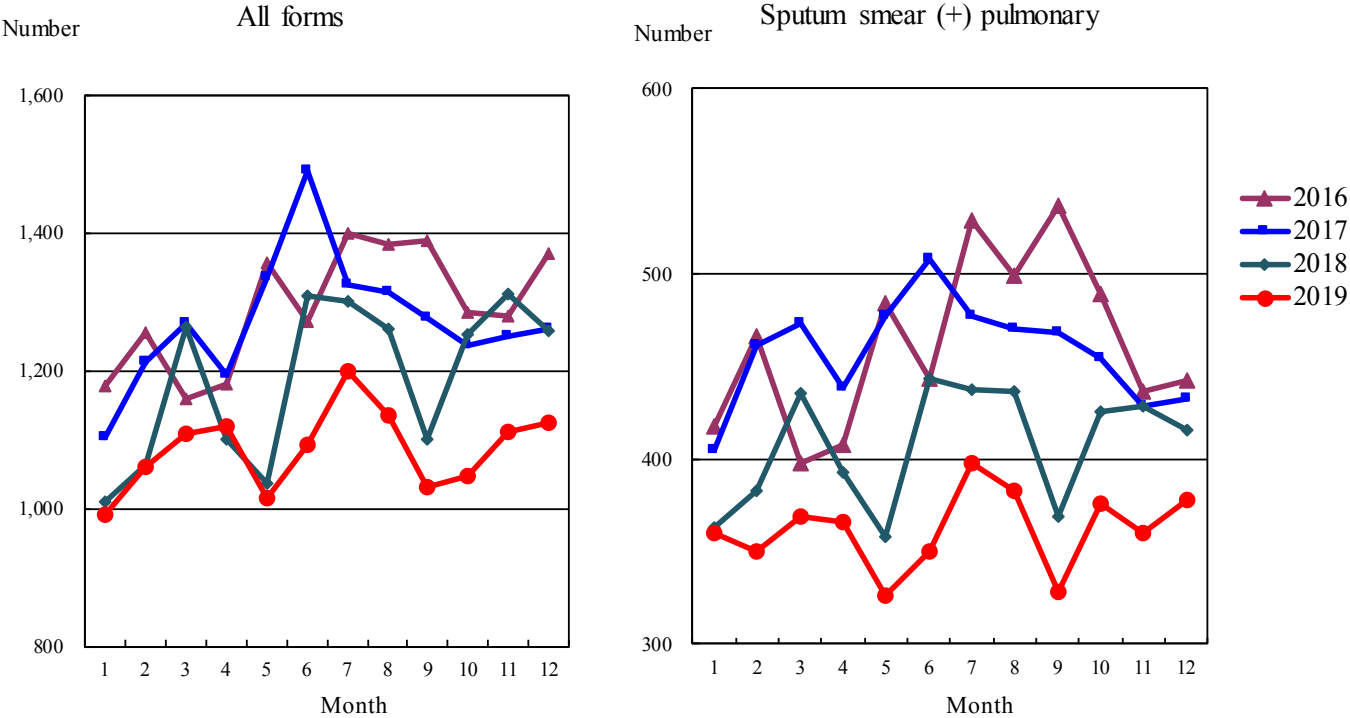


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Dec.) 2019

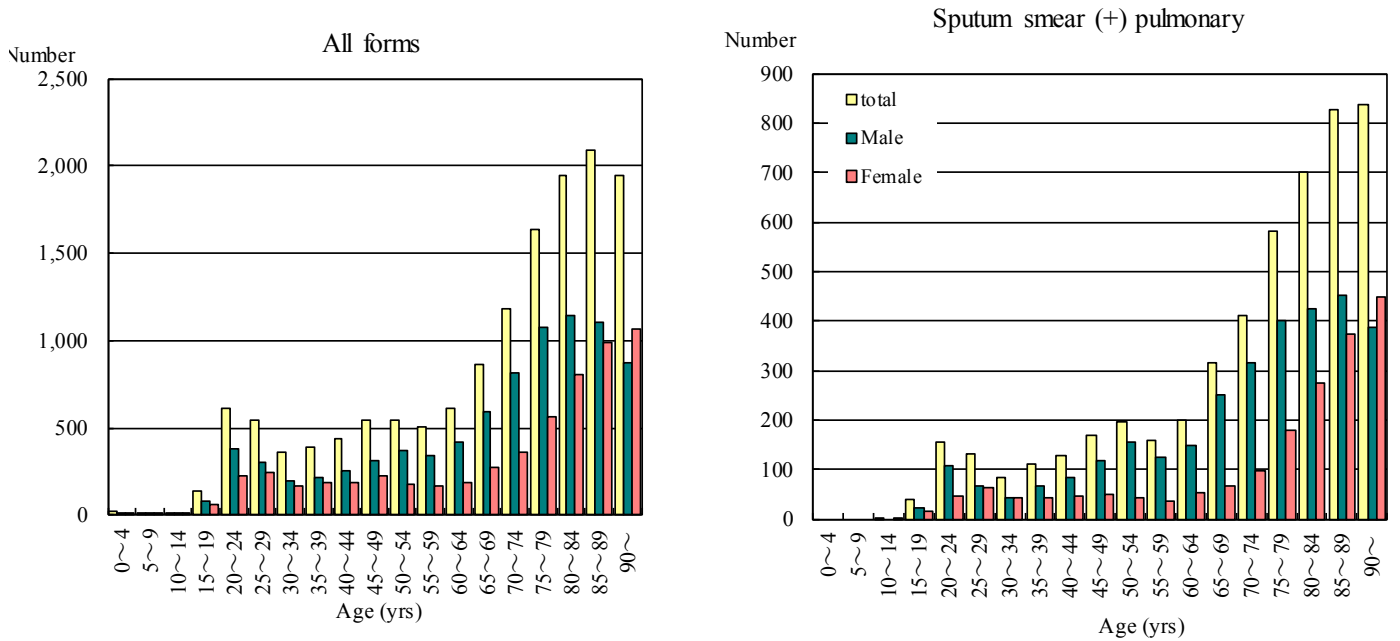


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Dec.) 2019

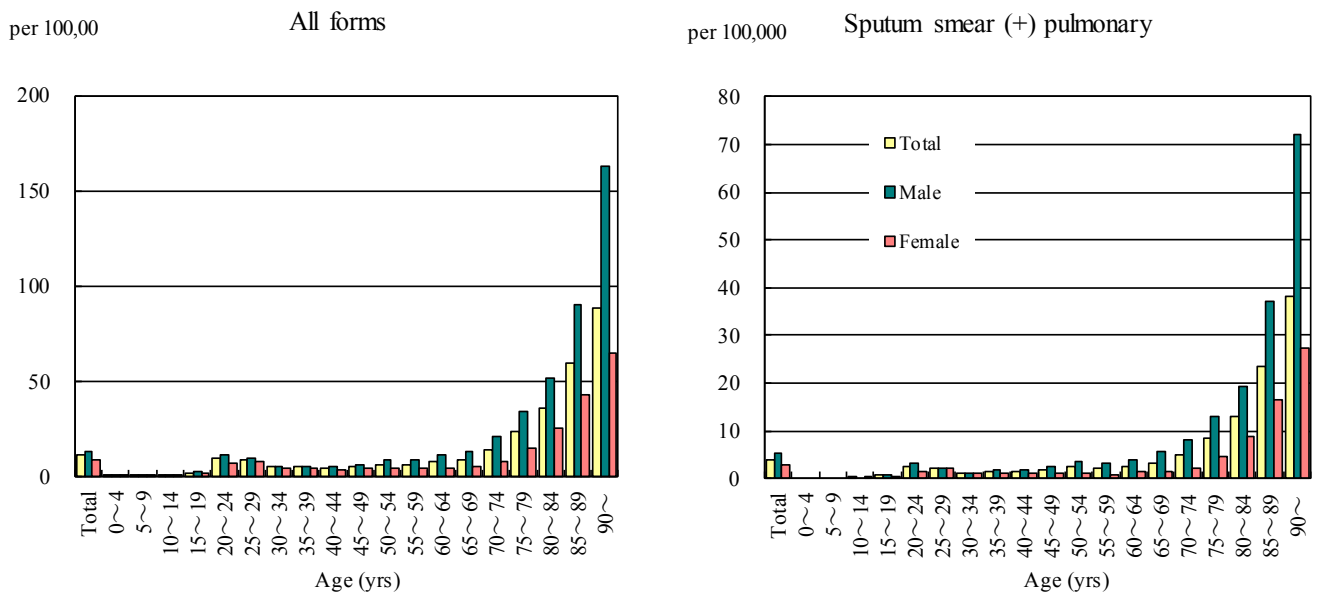


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Dec.) 2019

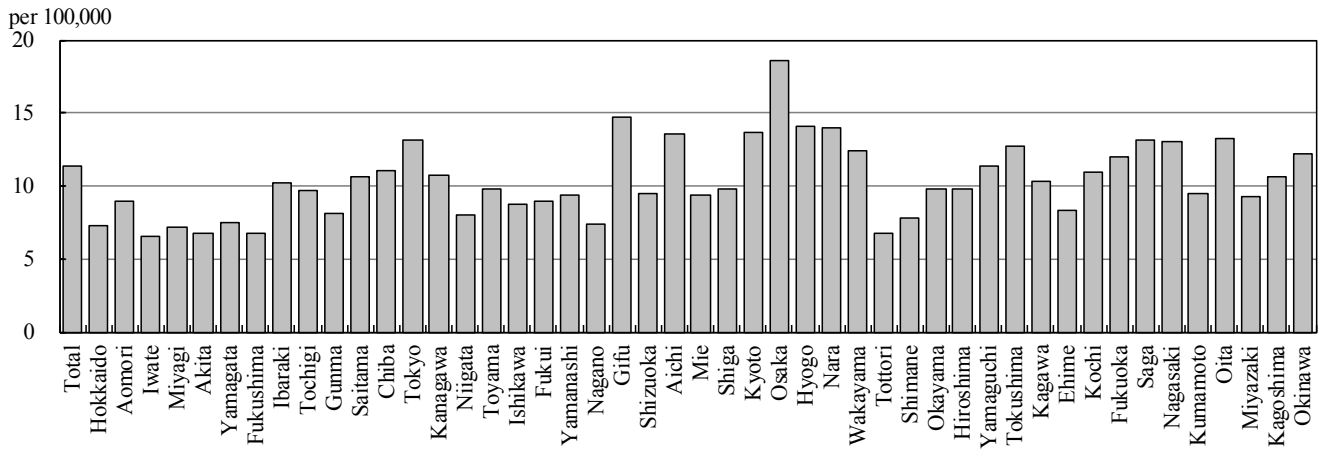


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Dec.) 2019

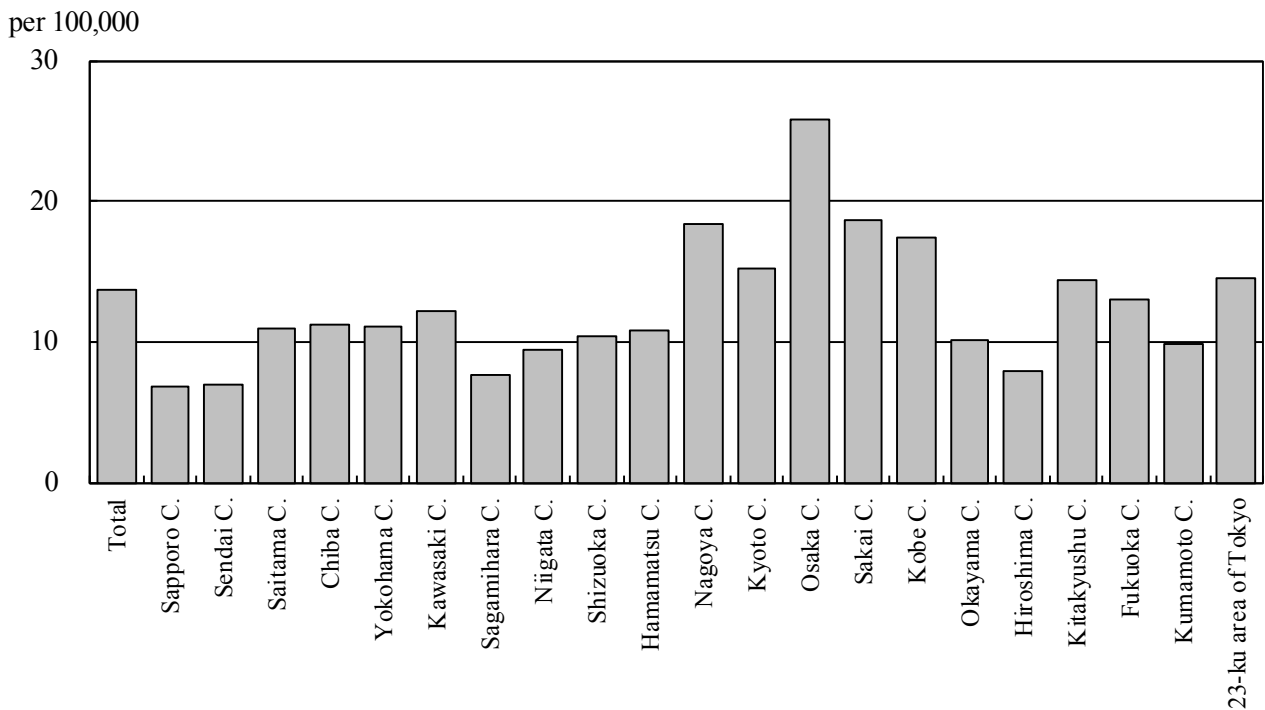


Figure 6. Number of LTBI, Japan, 2016-2019

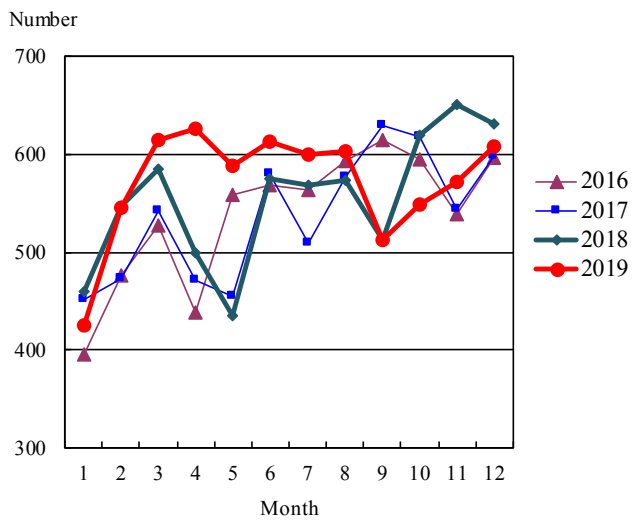


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Dec.) 2019

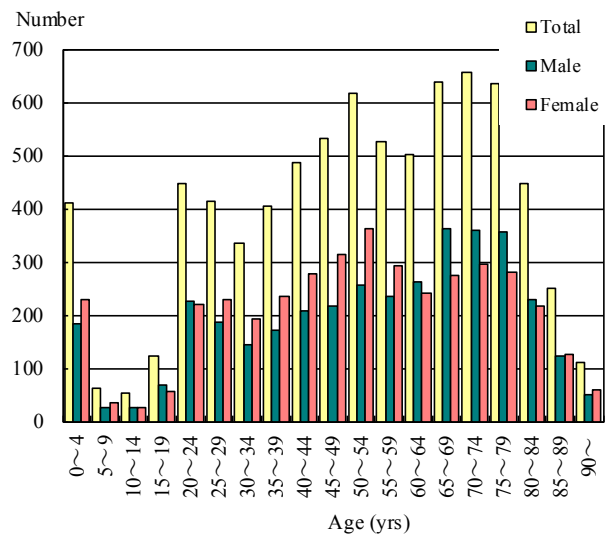


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2019

	Dec.			Summation (Jan.-Dec.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,123	699	424	14,400	8,505	5,895	11.4	13.8	9.1
0~4	2	1	1	20	7	13	0.4	0.3	0.6
5~9	0	0	0	9	7	2	0.2	0.3	0.1
10~14	1	1	0	11	8	3	0.2	0.3	0.1
15~19	5	3	2	140	78	62	2.4	2.6	2.2
20~24	52	35	17	613	383	230	9.7	11.7	7.5
25~29	41	23	18	545	303	242	8.8	9.5	8.0
30~34	31	17	14	365	200	165	5.3	5.7	4.8
35~39	27	15	12	394	211	183	5.1	5.4	4.8
40~44	31	18	13	436	252	184	4.8	5.5	4.1
45~49	50	27	23	541	315	226	5.6	6.5	4.7
50~54	39	24	15	547	368	179	6.5	8.8	4.3
55~59	36	27	9	502	337	165	6.6	8.8	4.3
60~64	52	39	13	610	420	190	8.0	11.2	4.9
65~69	66	41	25	867	595	272	9.3	13.1	5.6
70~74	89	66	23	1,178	819	359	14.3	21.2	8.2
75~79	121	81	40	1,641	1,077	564	23.7	34.7	14.7
80~84	176	115	61	1,948	1,146	802	36.4	52.2	25.4
85~89	154	89	65	2,092	1,104	988	59.5	90.1	43.2
90~	150	77	73	1,941	875	1,066	88.9	162.9	64.8

Temporary registrants = 21, Total of registrants and temporary registrants = 1,144

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

Population: as of 1st Oct. 2018

Table 2. Newly notified sputum smear positive pulmonary TB cases and rates by sex and age, Japan, 2019

	Dec.			Summation (Jan.-Dec.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	378	247	131	5,038	3,165	1,873	4.0	5.1	2.9
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	0	0	0	1	0	1	0.0	0.0	0.0
15~19	2	2	0	38	23	15	0.6	0.8	0.5
20~24	10	8	2	155	108	47	2.4	3.3	1.5
25~29	10	3	7	130	66	64	2.1	2.1	2.1
30~34	7	5	2	84	43	41	1.2	1.2	1.2
35~39	5	3	2	110	68	42	1.4	1.7	1.1
40~44	9	6	3	128	83	45	1.4	1.8	1.0
45~49	14	10	4	168	118	50	1.7	2.4	1.0
50~54	10	7	3	195	154	41	2.3	3.7	1.0
55~59	8	7	1	160	125	35	2.1	3.3	0.9
60~64	18	14	4	199	147	52	2.6	3.9	1.4
65~69	22	14	8	314	249	65	3.4	5.5	1.3
70~74	35	30	5	411	314	97	5.0	8.1	2.2
75~79	44	28	16	580	401	179	8.4	12.9	4.7
80~84	61	42	19	701	426	275	13.1	19.4	8.7
85~89	62	40	22	827	453	374	23.5	37.0	16.3
90~	61	28	33	837	387	450	38.4	72.0	27.4

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

Population: as of 1st Oct. 2018

Table 3. Newly notified TB cases and rates by prefecture, Japan, 2019

	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	1,123	378	14,400	5,038	11.4	4.0
Hokkaido	31	6	383	123	7.2	2.3
Aomori	11	5	113	51	8.9	4.0
Iwate	3	2	81	30	6.5	2.4
Miyagi	9	2	166	56	7.2	2.4
Akita	7	5	66	24	6.7	2.4
Yamagata	3	0	82	32	7.5	2.9
Fukushima	14	6	126	51	6.8	2.7
Ibaraki	17	10	294	109	10.2	3.8
Tochigi	14	8	189	87	9.7	4.5
Gunma	15	4	158	48	8.1	2.5
Saitama	59	20	777	274	10.6	3.7
Chiba	48	17	693	243	11.1	3.9
Tokyo	138	49	1,816	613	13.1	4.4
Kanagawa	85	32	987	330	10.8	3.6
Niigata	12	5	179	49	8.0	2.2
Toyama	8	0	103	24	9.8	2.3
Ishikawa	7	3	100	34	8.7	3.0
Fukui	5	0	69	18	8.9	2.3
Yamanashi	9	5	77	38	9.4	4.6
Nagano	6	2	153	60	7.4	2.9
Gifu	18	8	293	98	14.7	4.9
Shizuoka	17	4	347	117	9.5	3.2
Aichi	89	27	1,025	332	13.6	4.4
Mie	13	5	168	66	9.4	3.7
Shiga	7	3	138	44	9.8	3.1
Kyoto	33	10	353	125	13.6	4.8
Osaka	145	52	1,636	638	18.6	7.2
Hyogo	72	26	773	284	14.1	5.2
Nara	11	5	187	77	14.0	5.8
Wakayama	5	2	116	50	12.4	5.3
Tottori	5	0	38	10	6.8	1.8
Shimane	4	0	53	22	7.8	3.2
Okayama	17	6	186	66	9.8	3.5
Hiroshima	10	5	277	98	9.8	3.5
Yamaguchi	11	1	155	40	11.3	2.9
Tokushima	11	1	94	37	12.8	5.0
Kagawa	8	4	99	30	10.3	3.1
Ehime	8	3	112	38	8.3	2.8
Kochi	3	1	77	24	10.9	3.4
Fukuoka	42	10	613	186	12.0	3.6
Saga	14	3	108	45	13.2	5.5
Nagasaki	20	4	175	51	13.1	3.8
Kumamoto	14	6	166	54	9.4	3.1
Oita	10	2	151	67	13.2	5.9
Miyazaki	8	4	100	43	9.3	4.0
Kagoshima	13	2	171	54	10.6	3.3
Okinawa	14	3	177	48	12.2	3.3

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

Population: as of 1st Oct. 2018

Table 4. Newly notified TB cases and rates by major city, Japan, 2019

	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	379	132	5,092	1,770	13.7	4.8
Sapporo City	13	3	135	44	6.9	2.2
Sendai City	5	1	75	25	6.9	2.3
Saitama City	9	4	143	46	11.0	3.5
Chiba City	6	2	109	43	11.2	4.4
Yokohama City	35	12	413	136	11.0	3.6
Kawasaki City	15	6	185	56	12.2	3.7
Sagamihara City	6	2	55	22	7.6	3.0
Niigata City	5	2	76	19	9.5	2.4
Shizuoka City	8	3	73	26	10.4	3.7
Hamamatsu City	2	0	86	18	10.8	2.3
Nagoya City	34	9	425	159	18.3	6.9
Kyoto City	21	7	223	82	15.2	5.6
Osaka City	65	23	705	283	25.9	10.4
Sakai City	11	7	156	75	18.6	8.9
Kobe City	19	8	265	77	17.3	5.0
Okayama City	4	2	72	24	10.1	3.4
Hiroshima City	3	1	95	31	7.9	2.6
Kitakyushu City	5	1	136	31	14.4	3.3
Fukuoka City	12	3	205	67	13.0	4.2
Kumamoto City	4	2	73	29	9.9	3.9
23-ku area of Tokyo	97	34	1,387	477	14.5	5.0

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

Population: as of 1st Oct. 2018

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, 2019

	Dec.			Summation (Jan.-Dec.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	608	281	327	7,647	3,685	3,962	0.5	0.4	0.7
0~4	49	18	31	410	182	228	20.5	26.0	17.5
5~9	6	3	3	61	26	35	6.8	3.7	17.5
10~14	3	2	1	52	27	25	4.7	3.4	8.3
15~19	11	5	6	124	67	57	0.9	0.9	0.9
20~24	38	19	19	446	225	221	0.7	0.6	1.0
25~29	30	11	19	415	186	229	0.8	0.6	0.9
30~34	28	10	18	336	143	193	0.9	0.7	1.2
35~39	27	9	18	405	170	235	1.0	0.8	1.3
40~44	41	19	22	485	207	278	1.1	0.8	1.5
45~49	37	13	24	531	217	314	1.0	0.7	1.4
50~54	38	12	26	617	255	362	1.1	0.7	2.0
55~59	31	13	18	527	234	293	1.0	0.7	1.8
60~64	44	19	25	503	263	240	0.8	0.6	1.3
65~69	63	39	24	637	363	274	0.7	0.6	1.0
70~74	52	27	25	655	360	295	0.6	0.4	0.8
75~79	49	27	22	636	355	281	0.4	0.3	0.5
80~84	31	22	9	446	230	216	0.2	0.2	0.3
85~89	17	7	10	251	124	127	0.1	0.1	0.1
90~	13	6	7	110	51	59	0.1	0.1	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, 2019

	Dec.	Summation (Jan.-Dec.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	608	7,647	0.53
Hokkaido	19	248	0.65
Aomori	2	98	0.87
Iwate	3	75	0.93
Miyagi	9	167	1.01
Akita	1	46	0.70
Yamagata	8	47	0.57
Fukushima	6	79	0.63
Ibaraki	17	200	0.68
Tochigi	8	67	0.35
Gunma	8	69	0.44
Saitama	50	522	0.67
Chiba	41	345	0.50
Tokyo	67	1,008	0.56
Kanagawa	28	482	0.49
Niigata	4	122	0.68
Toyama	5	75	0.73
Ishikawa	3	47	0.47
Fukui	1	22	0.32
Yamanashi	9	63	0.82
Nagano	4	123	0.80
Gifu	13	108	0.37
Shizuoka	10	127	0.37
Aichi	40	509	0.50
Mie	7	83	0.49
Shiga	2	76	0.55
Kyoto	17	183	0.52
Osaka	59	705	0.43
Hyogo	25	329	0.43
Nara	6	87	0.47
Wakayama	1	46	0.40
Tottori	0	9	0.24
Shimane	6	25	0.47
Okayama	10	118	0.63
Hiroshima	12	153	0.55
Yamaguchi	4	71	0.46
Tokushima	2	32	0.34
Kagawa	10	47	0.47
Ehime	1	34	0.30
Kochi	0	24	0.31
Fukuoka	40	353	0.58
Saga	2	32	0.30
Nagasaki	7	68	0.39
Kumamoto	3	43	0.26
Oita	14	94	0.62
Miyazaki	3	87	0.87
Kagoshima	7	161	0.94
Okinawa	14	138	0.78

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, 2019

	Dec.	Summation (Jan.-Dec.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	205	2,575	0.51
Sapporo City	13	122	0.90
Sendai City	5	78	1.04
Saitama City	5	66	0.46
Chiba City	5	47	0.43
Yokohama City	11	166	0.40
Kawasaki City	9	120	0.65
Sagamihara City	0	23	0.42
Niigata City	2	54	0.71
Shizuoka City	2	30	0.41
Hamamatsu City	1	22	0.26
Nagoya City	11	174	0.41
Kyoto City	9	105	0.47
Osaka City	34	329	0.47
Sakai City	4	89	0.57
Kobe City	10	88	0.33
Okayama City	7	67	0.93
Hiroshima City	2	50	0.53
Kitakyushu City	7	57	0.42
Fukuoka City	15	145	0.71
Kumamoto City	3	21	0.29
23-ku area of Tokyo	50	722	0.52

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