



## Monthly Report of Tuberculosis Surveillance, Japan – June, 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 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, 2016-2019

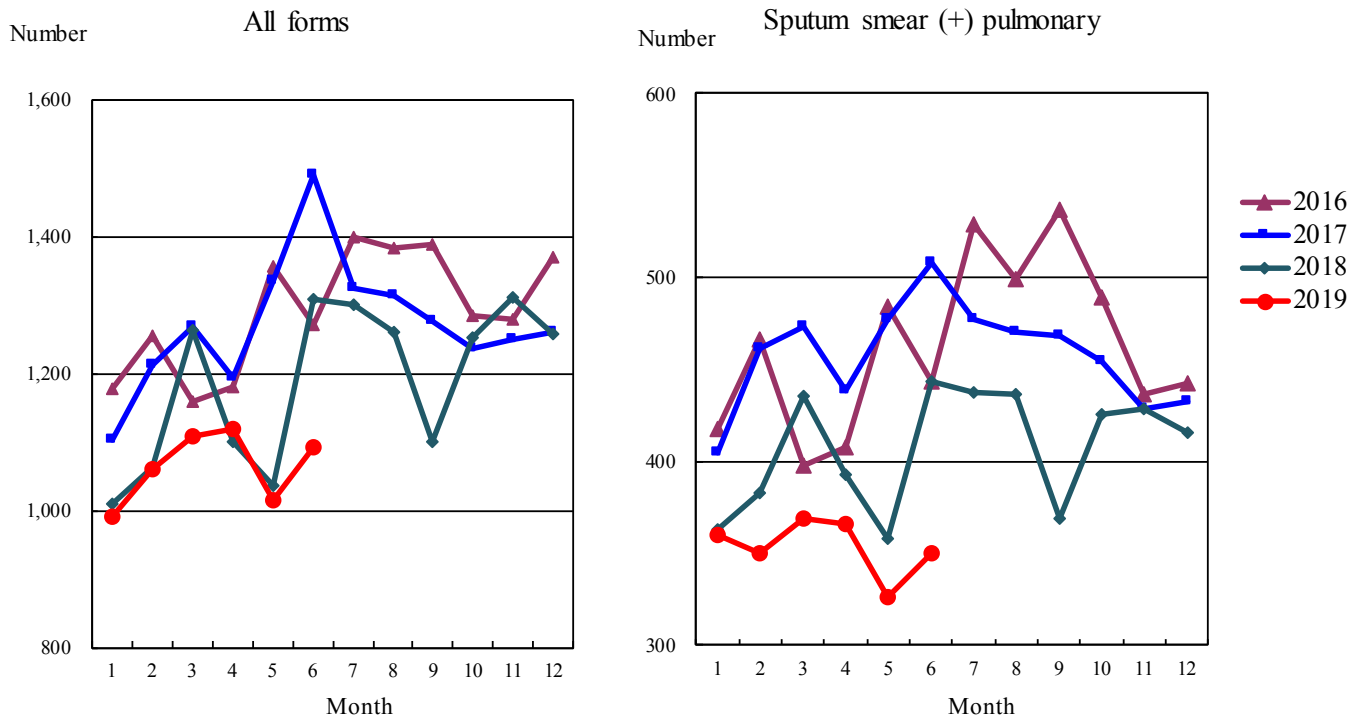


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Jun.) 2019

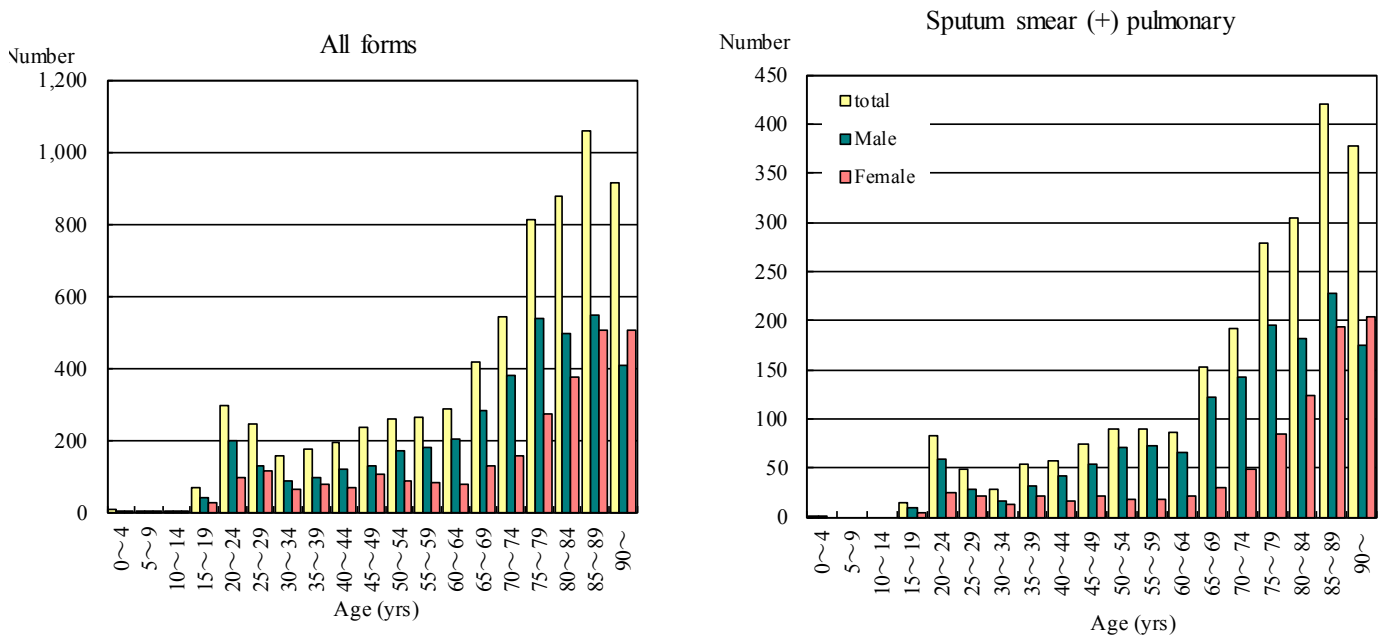


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Jun.) 2019

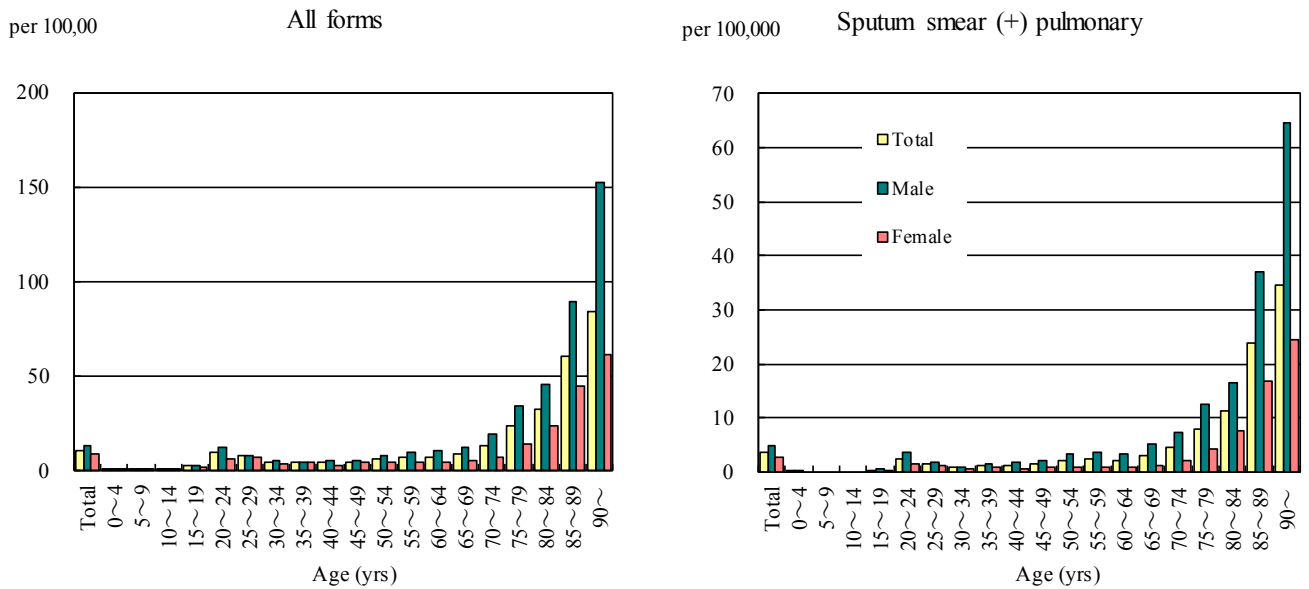


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Jun.) 2019

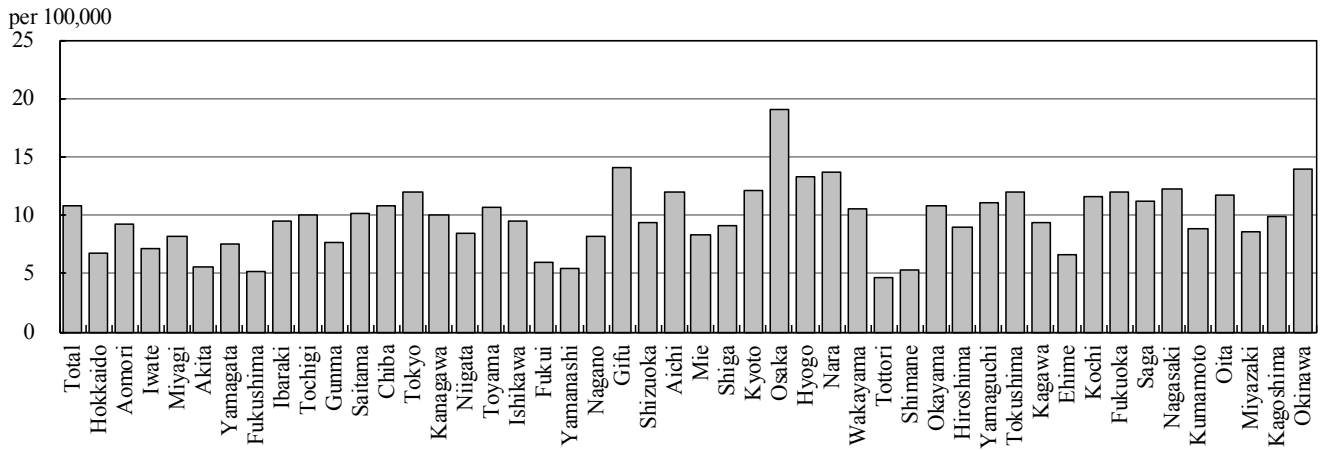


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Jun.) 2019

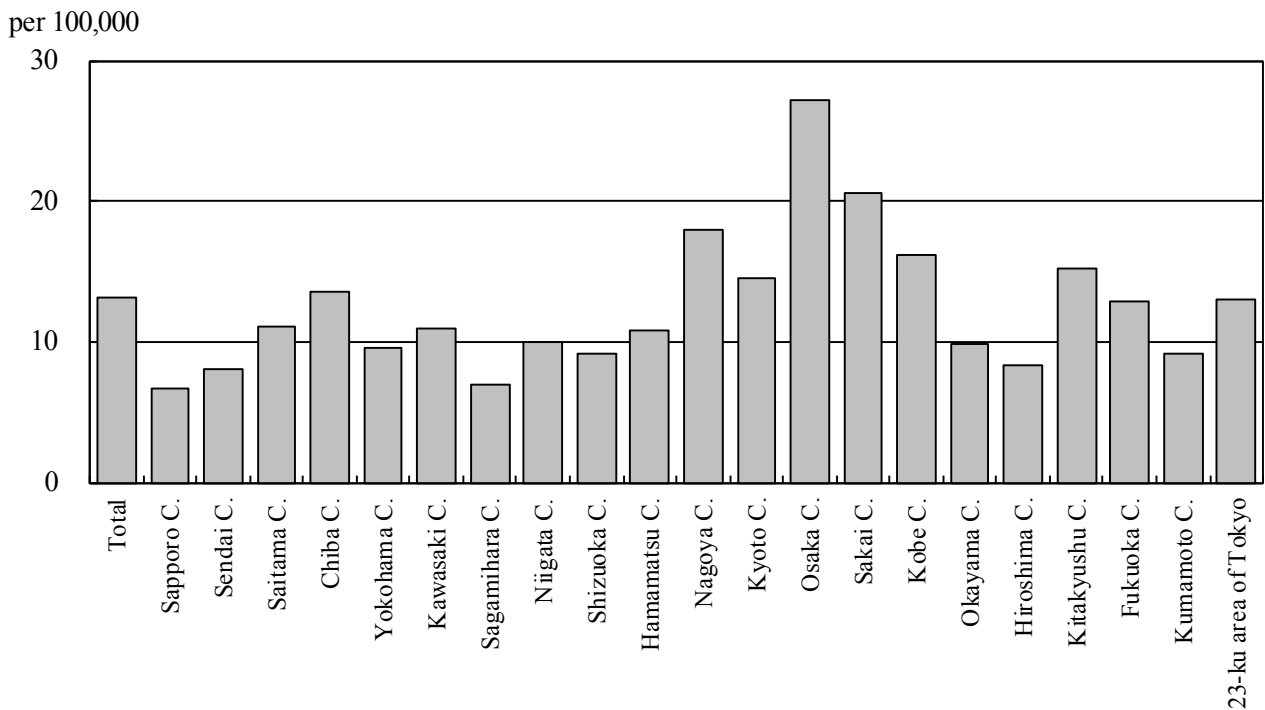


Figure 6. Number of LTBI, Japan, 2016-2019

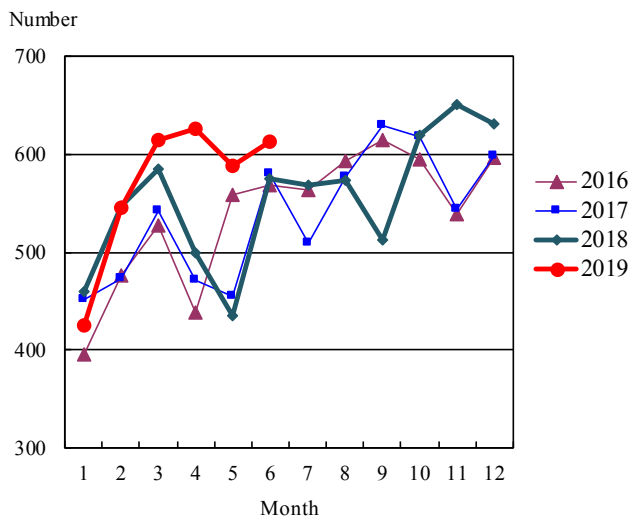


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Jun.) 2019

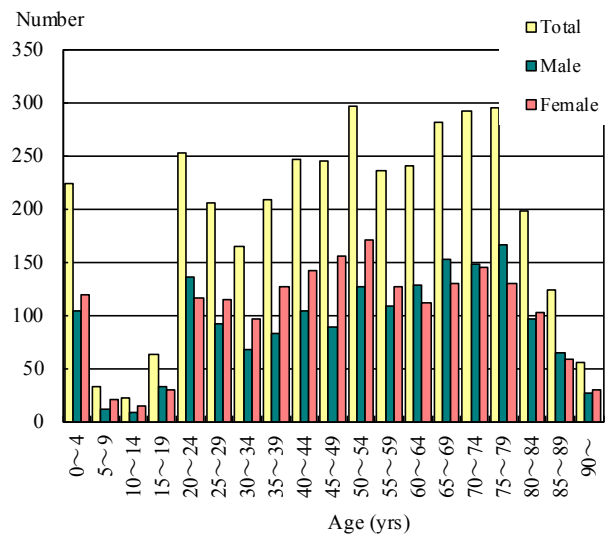


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2019

	Jan.			Summation (Jan.-Jun.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,092	648	444	6,853	4,055	2,798	10.8	13.2	8.6
0~4	2	1	1	11	5	6	0.5	0.4	0.5
5~9	2	2	0	5	4	1	0.2	0.3	0.1
10~14	2	1	1	7	5	2	0.3	0.4	0.2
15~19	14	9	5	73	43	30	2.5	2.8	2.1
20~24	52	39	13	300	199	101	9.5	12.2	6.6
25~29	41	20	21	249	133	116	8.0	8.3	7.7
30~34	29	16	13	157	90	67	4.5	5.1	3.9
35~39	30	18	12	179	99	80	4.7	5.1	4.2
40~44	31	16	15	194	122	72	4.3	5.3	3.2
45~49	44	25	19	239	133	106	4.9	5.4	4.4
50~54	33	24	9	260	172	88	6.2	8.2	4.2
55~59	48	36	12	268	182	86	7.0	9.5	4.5
60~64	51	37	14	288	206	82	7.6	11.0	4.3
65~69	69	44	25	419	286	133	8.9	12.6	5.5
70~74	97	66	31	542	382	160	13.2	19.7	7.3
75~79	130	80	50	813	539	274	23.5	34.8	14.3
80~84	138	84	54	877	498	379	32.8	45.4	24.0
85~89	158	76	82	1,057	548	509	60.2	89.5	44.5
90~	121	54	67	915	409	506	83.9	152.3	61.5

Temporary registrants = 57, Total of registrants and temporary registrants = 1,149

Rate: summation / (population\*1/12)\*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

	Jan.			Summation (Jan.-Jun.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	350	213	137	2,350	1,489	861	3.7	4.8	2.7
0~4	0	0	0	1	1	0	0.0	0.1	0.0
5~9	0	0	0	0	0	0	0.0	0.0	0.0
10~14	0	0	0	0	0	0	0.0	0.0	0.0
15~19	3	2	1	14	9	5	0.5	0.6	0.3
20~24	10	8	2	83	59	24	2.6	3.6	1.6
25~29	4	2	2	49	28	21	1.6	1.8	1.4
30~34	3	2	1	29	16	13	0.8	0.9	0.8
35~39	6	5	1	53	32	21	1.4	1.6	1.1
40~44	7	2	5	57	41	16	1.3	1.8	0.7
45~49	14	10	4	75	53	22	1.6	2.2	0.9
50~54	13	9	4	89	71	18	2.1	3.4	0.9
55~59	20	17	3	90	72	18	2.4	3.8	0.9
60~64	13	11	2	86	65	21	2.3	3.5	1.1
65~69	22	17	5	152	122	30	3.2	5.4	1.2
70~74	32	20	12	191	143	48	4.6	7.4	2.2
75~79	47	28	19	279	195	84	8.0	12.6	4.4
80~84	48	31	17	304	181	123	11.4	16.5	7.8
85~89	55	24	31	421	227	194	24.0	37.1	17.0
90~	53	25	28	377	174	203	34.5	64.8	24.7

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

Population: as of 1st Oct. 2018

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

	Jan.		Summation (Jan.-Jun.)		Notification rate (per 100,000)	
	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)
Total	1,092	350	6,853	2,350	10.8	3.7
Hokkaido	28	7	177	59	6.7	2.2
Aomori	8	3	58	25	9.2	4.0
Iwate	4	2	44	17	7.1	2.7
Miyagi	12	4	95	30	8.2	2.6
Akita	6	2	27	11	5.5	2.2
Yamagata	5	2	41	20	7.5	3.7
Fukushima	8	4	48	15	5.2	1.6
Ibaraki	15	4	136	37	9.5	2.6
Tochigi	17	6	97	40	10.0	4.1
Gunma	7	0	75	20	7.7	2.0
Saitama	63	15	374	125	10.2	3.4
Chiba	60	22	337	116	10.8	3.7
Tokyo	125	34	830	278	12.0	4.0
Kanagawa	72	21	457	146	10.0	3.2
Niigata	22	6	95	26	8.5	2.3
Toyama	9	3	56	15	10.7	2.9
Ishikawa	7	1	54	16	9.4	2.8
Fukui	1	1	23	5	5.9	1.3
Yamanashi	2	1	22	10	5.4	2.4
Nagano	15	7	84	33	8.1	3.2
Gifu	19	5	140	49	14.0	4.9
Shizuoka	22	7	172	69	9.4	3.8
Aichi	73	24	450	141	11.9	3.7
Mie	12	6	75	25	8.4	2.8
Shiga	10	2	64	20	9.1	2.8
Kyoto	26	10	156	56	12.0	4.3
Osaka	141	50	842	320	19.1	7.3
Hyogo	63	29	365	133	13.3	4.9
Nara	10	7	92	37	13.7	5.5
Wakayama	11	2	49	20	10.5	4.3
Tottori	2	1	13	4	4.6	1.4
Shimane	2	1	18	6	5.3	1.8
Okayama	14	3	103	30	10.9	3.2
Hiroshima	27	8	126	46	8.9	3.3
Yamaguchi	16	5	76	22	11.1	3.2
Tokushima	7	4	44	16	12.0	4.3
Kagawa	12	3	45	15	9.4	3.1
Ehime	5	3	45	17	6.7	2.5
Kochi	7	3	41	14	11.6	4.0
Fukuoka	48	8	307	87	12.0	3.4
Saga	8	4	46	16	11.2	3.9
Nagasaki	12	2	82	27	12.2	4.0
Kumamoto	12	4	78	22	8.9	2.5
Oita	9	5	67	33	11.7	5.8
Miyazaki	13	4	46	21	8.5	3.9
Kagoshima	10	2	80	32	9.9	4.0
Okinawa	15	3	101	28	14.0	3.9

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

Population: as of 1st Oct. 2018

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

	Jan.		Summation (Jan.-Jun.)		Notification Rate (per 100,000)	
	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)
Total	416	129	2,457	837	13.2	4.5
Sapporo City	9	1	66	24	6.7	2.4
Sendai City	5	2	44	16	8.1	2.9
Saitama City	15	3	72	22	11.1	3.4
Chiba City	9	5	66	27	13.5	5.5
Yokohama City	32	9	179	52	9.6	2.8
Kawasaki City	15	1	83	24	10.9	3.2
Sagamihara City	4	3	25	13	6.9	3.6
Niigata City	11	2	40	10	10.0	2.5
Shizuoka City	2	1	32	15	9.1	4.3
Hamamatsu City	6	0	43	12	10.8	3.0
Nagoya City	39	16	208	73	17.9	6.3
Kyoto City	23	10	107	41	14.6	5.6
Osaka City	67	25	370	149	27.2	10.9
Sakai City	14	8	86	38	20.5	9.1
Kobe City	17	5	124	34	16.2	4.5
Okayama City	4	1	35	8	9.9	2.3
Hiroshima City	12	1	50	15	8.3	2.5
Kitakyushu City	12	0	72	15	15.2	3.2
Fukuoka City	17	5	102	31	12.9	3.9
Kumamoto City	6	2	34	12	9.2	3.2
23-ku area of Tokyo	97	29	619	206	13.0	4.3

Rate: summation / (population\*1/12)\*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

	Jan.			Summation (Jan.-Jun.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	613	296	317	3,677	1,744	1,933	0.5	0.4	0.7
0~4	22	8	14	223	104	119	20.3	20.8	19.8
5~9	5	1	4	32	12	20	6.4	3.0	20.0
10~14	2	0	2	22	8	14	3.1	1.6	7.0
15~19	8	4	4	63	33	30	0.9	0.8	1.0
20~24	31	13	18	252	136	116	0.8	0.7	1.1
25~29	26	14	12	206	91	115	0.8	0.7	1.0
30~34	25	11	14	164	68	96	1.0	0.8	1.4
35~39	31	11	20	209	83	126	1.2	0.8	1.6
40~44	43	23	20	246	104	142	1.3	0.9	2.0
45~49	48	22	26	244	89	155	1.0	0.7	1.5
50~54	57	16	41	296	126	170	1.1	0.7	1.9
55~59	47	24	23	235	109	126	0.9	0.6	1.5
60~64	42	22	20	240	128	112	0.8	0.6	1.4
65~69	52	28	24	281	152	129	0.7	0.5	1.0
70~74	52	28	24	292	148	144	0.5	0.4	0.9
75~79	65	38	27	295	166	129	0.4	0.3	0.5
80~84	28	15	13	198	96	102	0.2	0.2	0.3
85~89	19	12	7	124	65	59	0.1	0.1	0.1
90~	10	6	4	55	26	29	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

	Jan.	Summation (Jan.-Jun.)	
	LTBI	LTBI	(Ratio) LTBI /new TB
Total	613	3,677	0.54
Hokkaido	33	126	0.71
Aomori	4	61	1.05
Iwate	5	44	1.00
Miyagi	15	76	0.80
Akita	6	21	0.78
Yamagata	2	19	0.46
Fukushima	4	20	0.42
Ibaraki	17	102	0.75
Tochigi	4	37	0.38
Gunma	6	36	0.48
Saitama	43	263	0.70
Chiba	26	174	0.52
Tokyo	82	473	0.57
Kanagawa	38	232	0.51
Niigata	13	59	0.62
Toyama	3	28	0.50
Ishikawa	5	32	0.59
Fukui	0	6	0.26
Yamanashi	3	13	0.59
Nagano	11	69	0.82
Gifu	4	43	0.31
Shizuoka	11	47	0.27
Aichi	31	214	0.48
Mie	7	45	0.60
Shiga	7	46	0.72
Kyoto	10	80	0.51
Osaka	63	349	0.41
Hyogo	29	158	0.43
Nara	6	40	0.43
Wakayama	7	18	0.37
Tottori	1	3	0.23
Shimane	0	6	0.33
Okayama	8	65	0.63
Hiroshima	16	83	0.66
Yamaguchi	4	33	0.43
Tokushima	2	19	0.43
Kagawa	2	19	0.42
Ehime	6	18	0.40
Kochi	2	17	0.41
Fukuoka	24	181	0.59
Saga	6	17	0.37
Nagasaki	7	29	0.35
Kumamoto	3	21	0.27
Oita	3	37	0.55
Miyazaki	16	53	1.15
Kagoshima	10	66	0.83
Okinawa	8	79	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

	Jan.	Summation (Jan.-Jun.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	214	1,232	0.50
Sapporo City	21	68	1.03
Sendai City	4	33	0.75
Saitama City	4	31	0.43
Chiba City	5	23	0.35
Yokohama City	15	67	0.37
Kawasaki City	11	67	0.81
Sagamihara City	1	15	0.60
Niigata City	6	27	0.68
Shizuoka City	2	10	0.31
Hamamatsu City	2	5	0.12
Nagoya City	15	82	0.39
Kyoto City	8	53	0.50
Osaka City	31	164	0.44
Sakai City	2	30	0.35
Kobe City	8	48	0.39
Okayama City	5	33	0.94
Hiroshima City	3	29	0.58
Kitakyushu City	3	27	0.38
Fukuoka City	8	73	0.72
Kumamoto City	3	11	0.32
23-ku area of Tokyo	57	336	0.54

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