



Monthly Report of Tuberculosis Surveillance, Japan – October, 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.

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

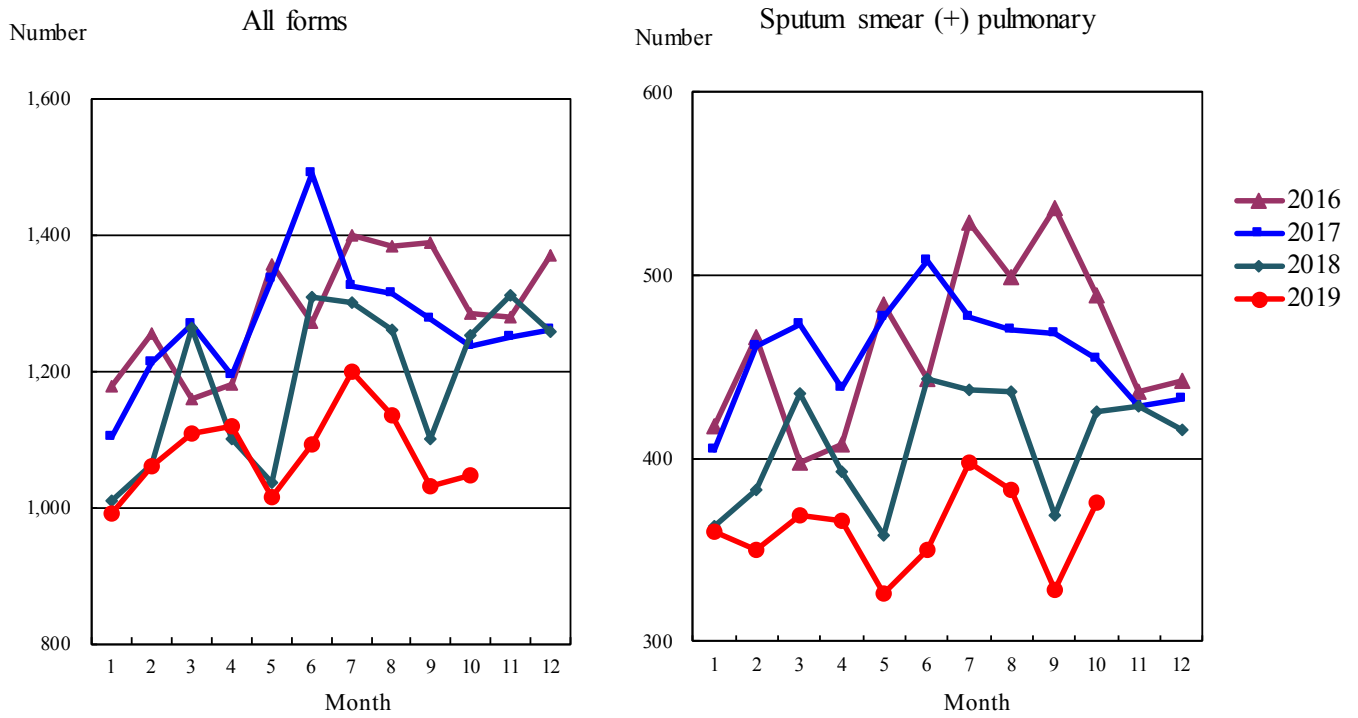


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Oct.) 2019

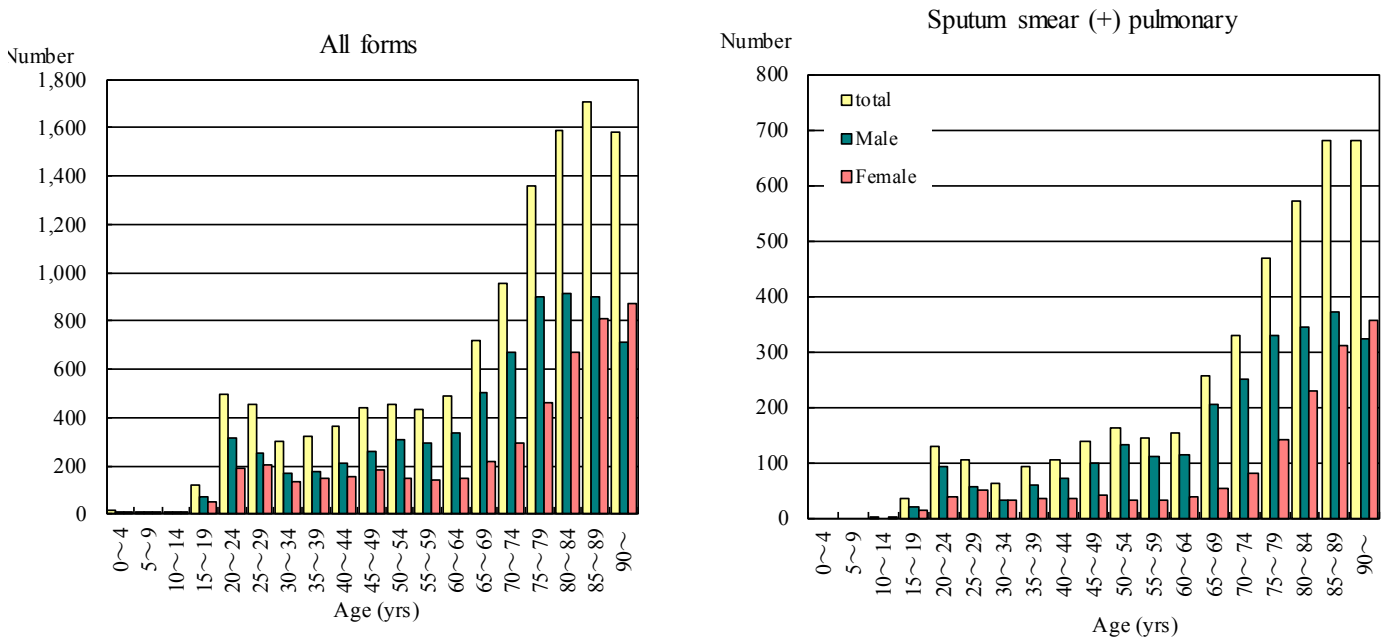


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Oct.) 2019

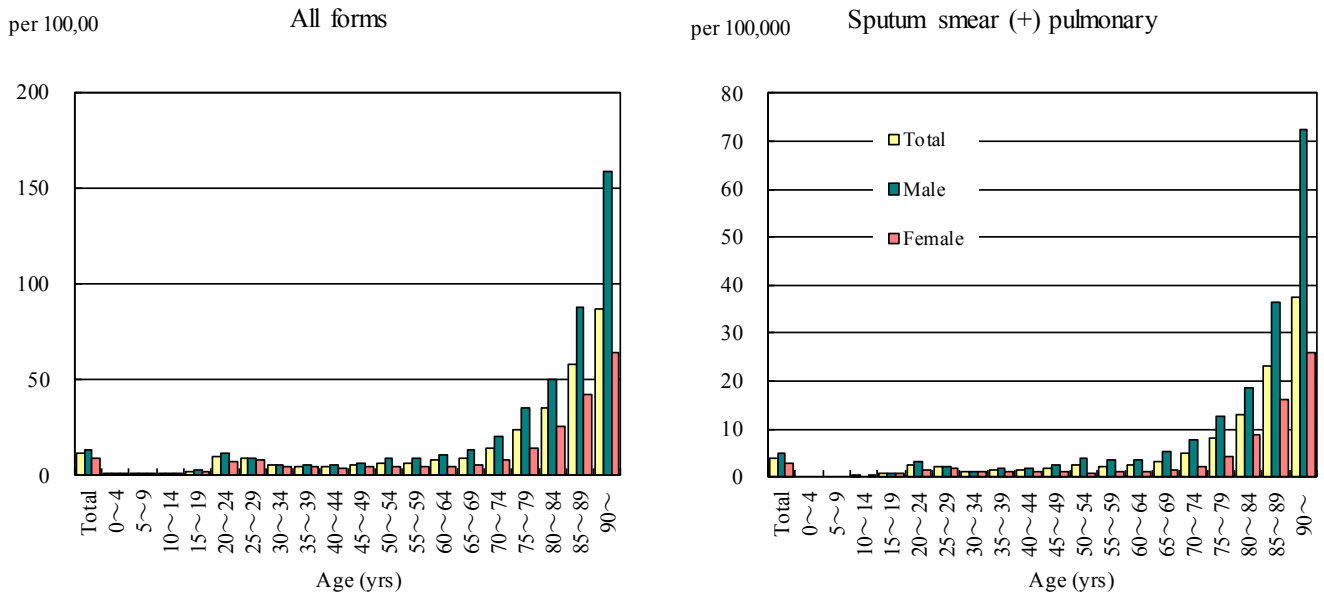


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Oct.) 2019

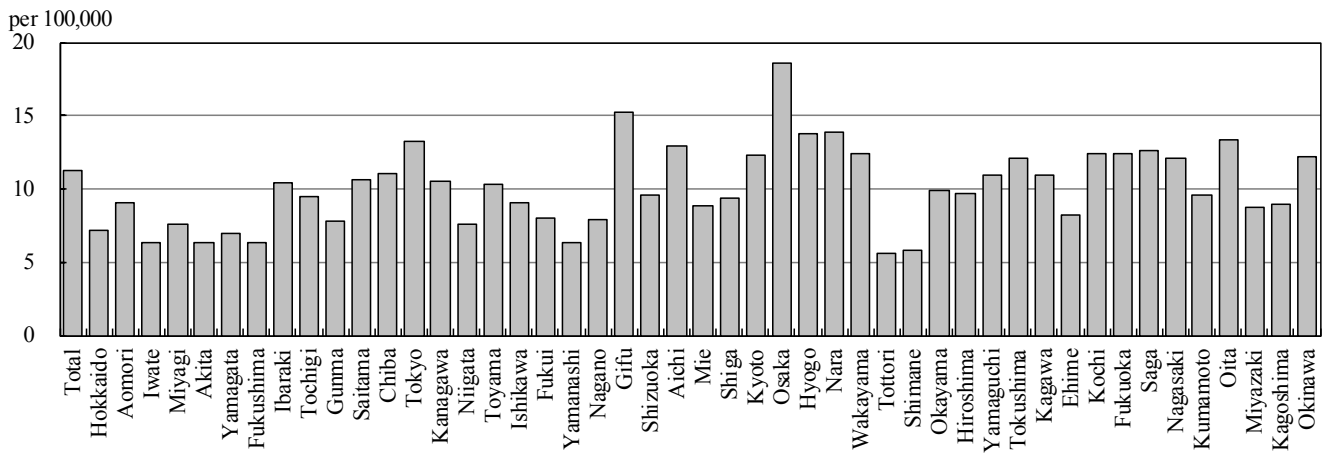


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Oct.) 2019

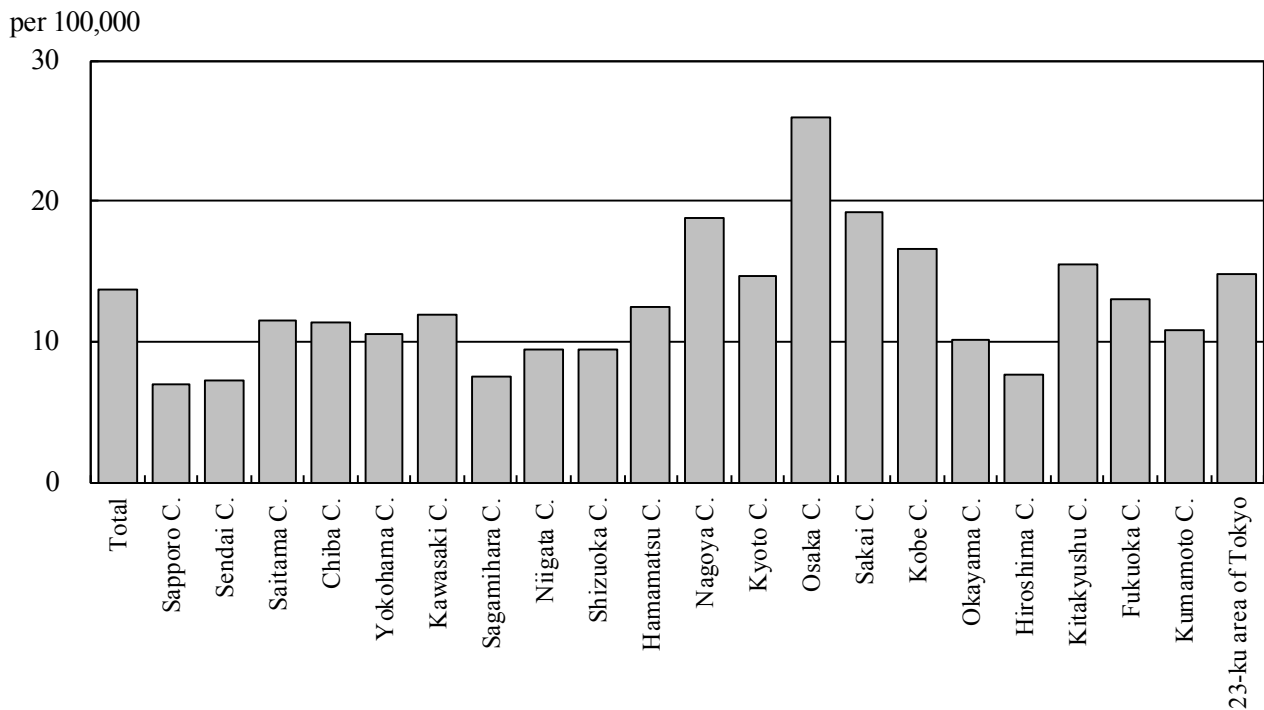


Figure 6. Number of LTBI, Japan, 2016-2019

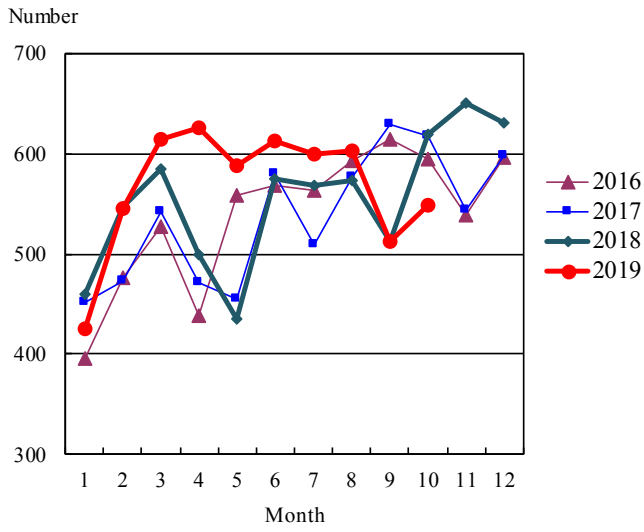


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Oct.) 2019

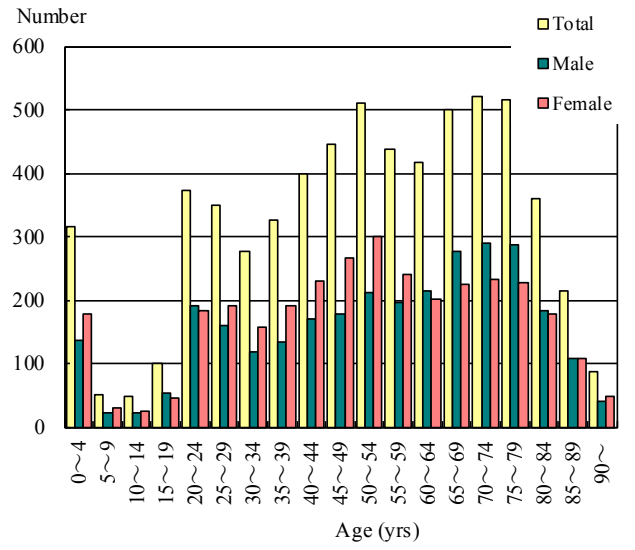


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2019

	Jan.			Summation (Jan.-Oct.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,048	621	427	11,832	7,002	4,830	11.2	13.7	8.9
0~4	2	1	1	17	6	11	0.4	0.3	0.6
5~9	1	0	1	8	6	2	0.2	0.3	0.1
10~14	0	0	0	9	6	3	0.2	0.3	0.1
15~19	12	6	6	121	69	52	2.5	2.7	2.2
20~24	33	18	15	499	312	187	9.5	11.5	7.3
25~29	38	19	19	455	251	204	8.8	9.4	8.1
30~34	31	19	12	299	168	131	5.2	5.7	4.6
35~39	23	12	11	324	174	150	5.1	5.4	4.7
40~44	43	22	21	366	212	154	4.8	5.5	4.1
45~49	37	23	14	443	263	180	5.5	6.5	4.5
50~54	45	29	16	457	311	146	6.6	8.9	4.2
55~59	35	29	6	434	294	140	6.8	9.2	4.4
60~64	49	31	18	488	337	151	7.7	10.8	4.7
65~69	69	55	14	718	503	215	9.2	13.3	5.3
70~74	91	67	24	958	667	291	14.0	20.7	8.0
75~79	106	68	38	1,360	900	460	23.5	34.8	14.4
80~84	163	94	69	1,588	915	673	35.6	50.0	25.6
85~89	140	68	72	1,704	897	807	58.2	87.9	42.3
90~	130	60	70	1,584	711	873	87.1	158.8	63.7

Temporary registrants = 55, Total of registrants and temporary registrants = 1,103

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.-Oct.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	376	225	151	4,120	2,605	1,515	3.9	5.1	2.8
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	5	2	3	35	20	15	0.7	0.8	0.6
20~24	7	4	3	129	91	38	2.4	3.3	1.5
25~29	11	4	7	105	56	49	2.0	2.1	1.9
30~34	6	3	3	63	31	32	1.1	1.1	1.1
35~39	5	4	1	92	58	34	1.4	1.8	1.1
40~44	12	10	2	105	70	35	1.4	1.8	0.9
45~49	14	9	5	139	98	41	1.7	2.4	1.0
50~54	20	13	7	163	131	32	2.3	3.7	0.9
55~59	10	7	3	144	112	32	2.3	3.5	1.0
60~64	13	8	5	153	115	38	2.4	3.7	1.2
65~69	29	25	4	257	205	52	3.3	5.4	1.3
70~74	35	30	5	330	251	79	4.8	7.8	2.2
75~79	34	21	13	469	328	141	8.1	12.7	4.4
80~84	58	34	24	572	343	229	12.8	18.8	8.7
85~89	59	26	33	682	372	310	23.3	36.4	16.3
90~	58	25	33	681	324	357	37.4	72.4	26.0

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.-Oct.)		Notification rate (per 100,000)	
	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)
Total	1,048	376	11,832	4,120	11.2	3.9
Hokkaido	28	12	314	107	7.1	2.4
Aomori	8	1	95	38	9.0	3.6
Iwate	3	2	65	26	6.3	2.5
Miyagi	13	5	146	48	7.6	2.5
Akita	4	0	52	18	6.4	2.2
Yamagata	3	1	63	26	6.9	2.9
Fukushima	11	4	98	35	6.3	2.3
Ibaraki	19	8	249	83	10.4	3.5
Tochigi	18	4	154	64	9.5	3.9
Gunma	7	1	127	35	7.8	2.2
Saitama	55	19	646	224	10.6	3.7
Chiba	46	14	575	204	11.0	3.9
Tokyo	150	59	1,523	518	13.2	4.5
Kanagawa	60	23	803	253	10.5	3.3
Niigata	9	1	142	36	7.6	1.9
Toyama	7	5	90	24	10.3	2.7
Ishikawa	4	1	86	29	9.0	3.0
Fukui	2	2	52	14	8.1	2.2
Yamanashi	2	2	43	20	6.3	2.9
Nagano	11	3	136	55	7.9	3.2
Gifu	24	8	254	84	15.3	5.0
Shizuoka	18	3	293	98	9.6	3.2
Aichi	70	26	812	269	12.9	4.3
Mie	7	4	132	48	8.8	3.2
Shiga	8	2	110	36	9.3	3.1
Kyoto	27	10	265	95	12.3	4.4
Osaka	130	53	1,368	537	18.6	7.3
Hyogo	66	25	630	220	13.8	4.8
Nara	16	8	155	67	13.9	6.0
Wakayama	9	4	97	43	12.5	5.5
Tottori	1	1	26	6	5.6	1.3
Shimane	2	0	33	13	5.8	2.3
Okayama	18	4	156	55	9.9	3.5
Hiroshima	22	11	227	82	9.7	3.5
Yamaguchi	10	1	125	35	10.9	3.1
Tokushima	10	5	74	34	12.1	5.5
Kagawa	16	4	88	26	11.0	3.2
Ehime	4	2	93	30	8.3	2.7
Kochi	9	1	73	22	12.4	3.7
Fukuoka	45	15	527	159	12.4	3.7
Saga	6	3	86	38	12.6	5.6
Nagasaki	10	2	135	43	12.1	3.8
Kumamoto	12	2	140	43	9.6	2.9
Oita	24	12	127	64	13.3	6.7
Miyazaki	1	0	79	34	8.8	3.8
Kagoshima	6	0	121	40	9.0	3.0
Okinawa	17	3	147	42	12.2	3.5

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.-Oct.)		Notification Rate (per 100,000)	
	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)
Total	381	155	4,263	1,474	13.7	4.8
Sapporo City	13	5	113	39	6.9	2.4
Sendai City	4	2	65	23	7.2	2.5
Saitama City	11	5	125	41	11.5	3.8
Chiba City	4	2	93	36	11.4	4.4
Yokohama City	23	10	326	103	10.5	3.3
Kawasaki City	14	4	151	38	11.9	3.0
Sagamihara City	3	0	45	17	7.5	2.8
Niigata City	7	1	63	15	9.4	2.2
Shizuoka City	0	0	55	20	9.4	3.4
Hamamatsu City	5	1	82	17	12.4	2.6
Nagoya City	35	13	363	140	18.8	7.2
Kyoto City	21	8	180	67	14.7	5.5
Osaka City	46	26	588	240	25.9	10.6
Sakai City	12	7	134	66	19.2	9.5
Kobe City	21	8	211	56	16.6	4.4
Okayama City	13	3	60	17	10.1	2.9
Hiroshima City	5	3	76	27	7.6	2.7
Kitakyushu City	12	2	122	26	15.5	3.3
Fukuoka City	9	5	172	54	13.1	4.1
Kumamoto City	7	2	67	26	10.9	4.2
23-ku area of Tokyo	116	48	1,172	406	14.7	5.1

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.-Oct.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	548	290	258	6,247	2,990	3,257	0.5	0.4	0.7
0~4	33	16	17	315	137	178	18.5	22.8	16.2
5~9	5	4	1	51	21	30	6.4	3.5	15.0
10~14	4	2	2	47	23	24	5.2	3.8	8.0
15~19	6	4	2	100	54	46	0.8	0.8	0.9
20~24	25	11	14	373	190	183	0.7	0.6	1.0
25~29	36	22	14	349	159	190	0.8	0.6	0.9
30~34	20	10	10	277	119	158	0.9	0.7	1.2
35~39	25	14	11	326	135	191	1.0	0.8	1.3
40~44	34	15	19	400	170	230	1.1	0.8	1.5
45~49	31	11	20	445	178	267	1.0	0.7	1.5
50~54	55	21	34	511	211	300	1.1	0.7	2.1
55~59	50	22	28	437	196	241	1.0	0.7	1.7
60~64	33	21	12	416	215	201	0.9	0.6	1.3
65~69	53	32	21	501	276	225	0.7	0.5	1.0
70~74	41	30	11	521	289	232	0.5	0.4	0.8
75~79	44	27	17	515	287	228	0.4	0.3	0.5
80~84	34	19	15	361	183	178	0.2	0.2	0.3
85~89	17	7	10	214	107	107	0.1	0.1	0.1
90~	2	2	0	88	40	48	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.-Oct.)	
	LTBI	LTBI	(Ratio) LTBI /new TB
Total	548	6,247	0.53
Hokkaido	7	206	0.66
Aomori	10	92	0.97
Iwate	4	62	0.95
Miyagi	16	141	0.97
Akita	5	39	0.75
Yamagata	2	31	0.49
Fukushima	8	56	0.57
Ibaraki	17	169	0.68
Tochigi	1	54	0.35
Gunma	4	57	0.45
Saitama	50	416	0.64
Chiba	24	271	0.47
Tokyo	72	847	0.56
Kanagawa	30	409	0.51
Niigata	8	99	0.70
Toyama	8	66	0.73
Ishikawa	5	41	0.48
Fukui	1	21	0.40
Yamanashi	2	29	0.67
Nagano	9	115	0.85
Gifu	9	87	0.34
Shizuoka	16	102	0.35
Aichi	45	388	0.48
Mie	4	72	0.55
Shiga	1	61	0.55
Kyoto	17	139	0.52
Osaka	46	584	0.43
Hyogo	16	276	0.44
Nara	10	73	0.47
Wakayama	4	38	0.39
Tottori	1	7	0.27
Shimane	0	9	0.27
Okayama	13	98	0.63
Hiroshima	10	127	0.56
Yamaguchi	5	58	0.46
Tokushima	0	26	0.35
Kagawa	3	31	0.35
Ehime	1	29	0.31
Kochi	0	24	0.33
Fukuoka	19	286	0.54
Saga	1	29	0.34
Nagasaki	4	46	0.34
Kumamoto	4	33	0.24
Oita	4	66	0.52
Miyazaki	7	81	1.03
Kagoshima	15	144	1.19
Okinawa	10	112	0.76

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.-Oct.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	183	2,137	0.50
Sapporo City	5	106	0.94
Sendai City	5	64	0.98
Saitama City	12	57	0.46
Chiba City	0	41	0.44
Yokohama City	13	132	0.40
Kawasaki City	9	104	0.69
Sagamihara City	1	22	0.49
Niigata City	5	47	0.75
Shizuoka City	0	18	0.33
Hamamatsu City	2	21	0.26
Nagoya City	24	153	0.42
Kyoto City	12	87	0.48
Osaka City	22	254	0.43
Sakai City	6	73	0.54
Kobe City	2	76	0.36
Okayama City	6	53	0.88
Hiroshima City	1	43	0.57
Kitakyushu City	4	45	0.37
Fukuoka City	6	124	0.72
Kumamoto City	1	17	0.25
23-ku area of Tokyo	47	600	0.51

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