



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

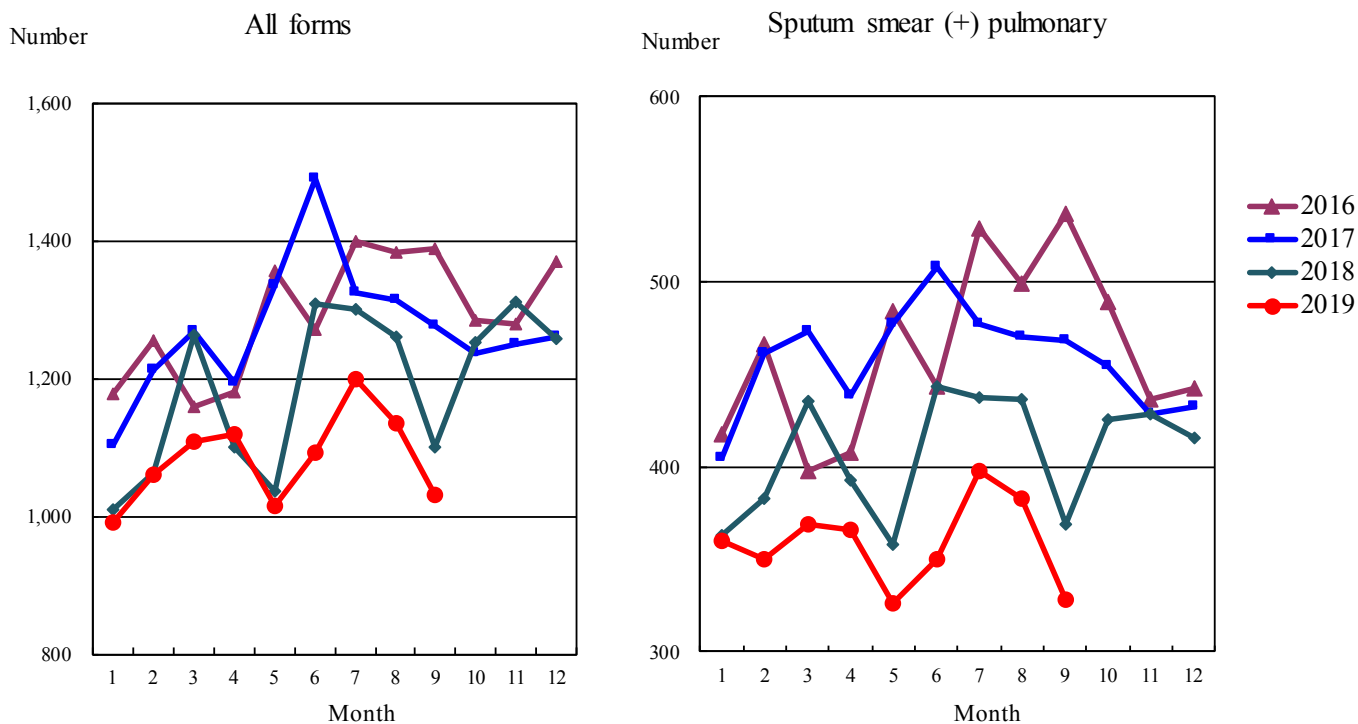


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Sep.) 2019

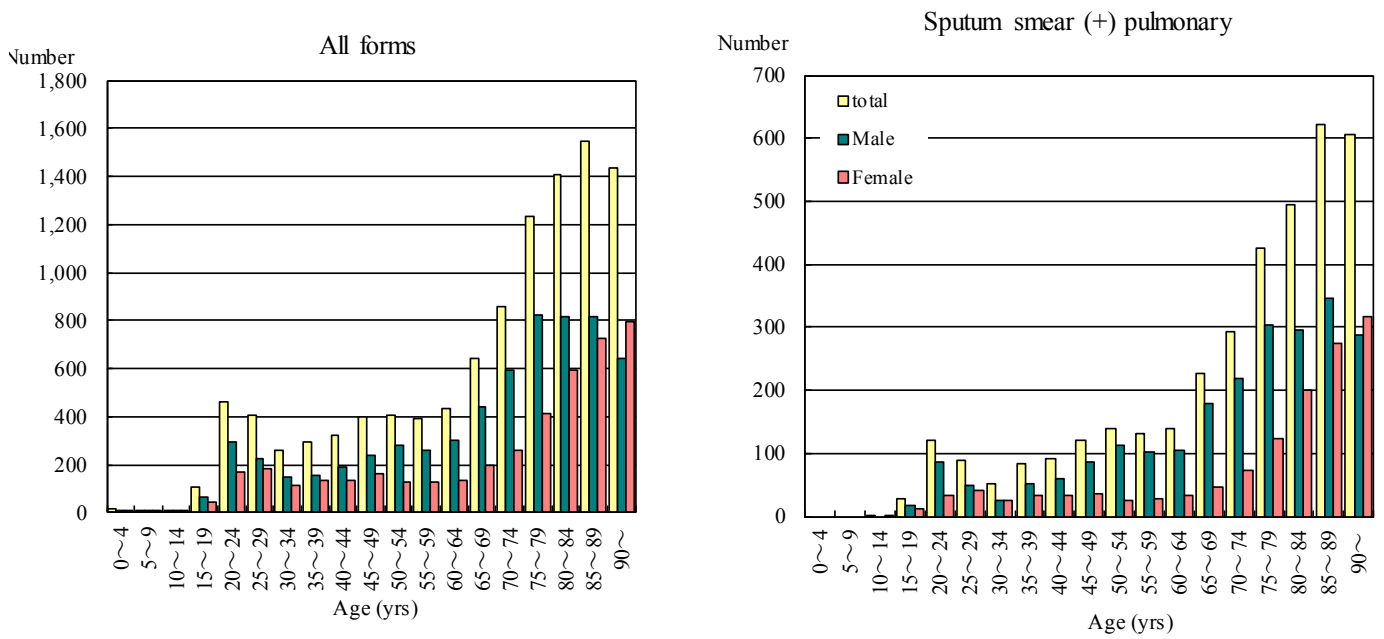


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Sep.) 2019

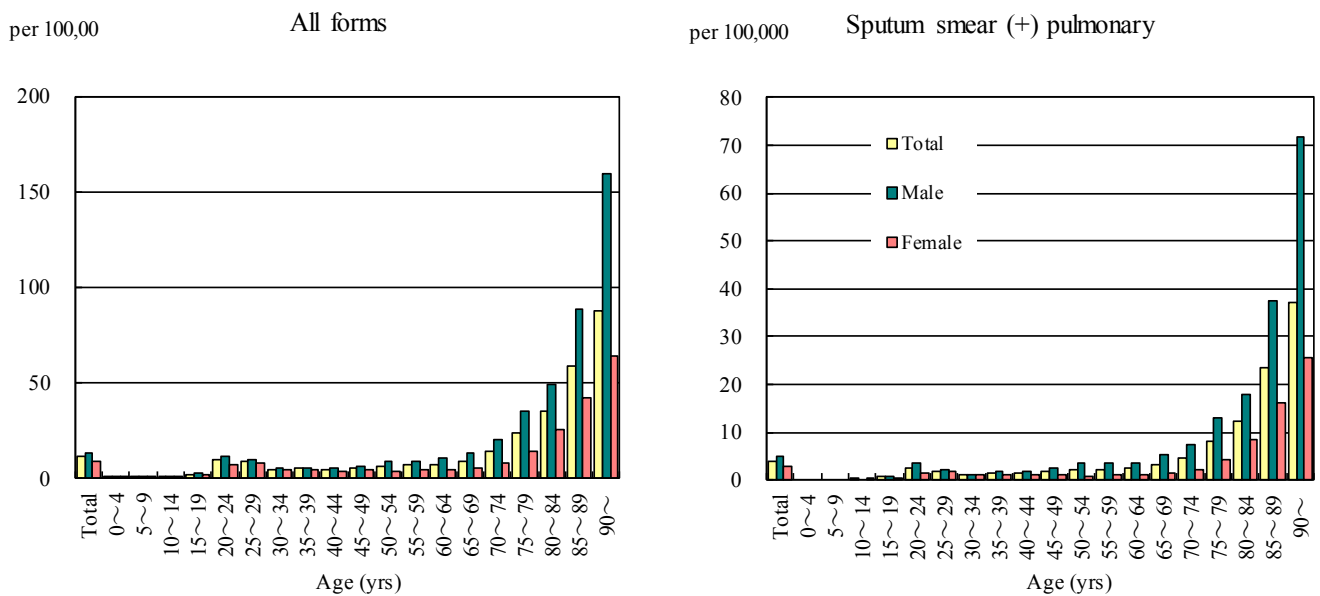


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Sep.) 2019

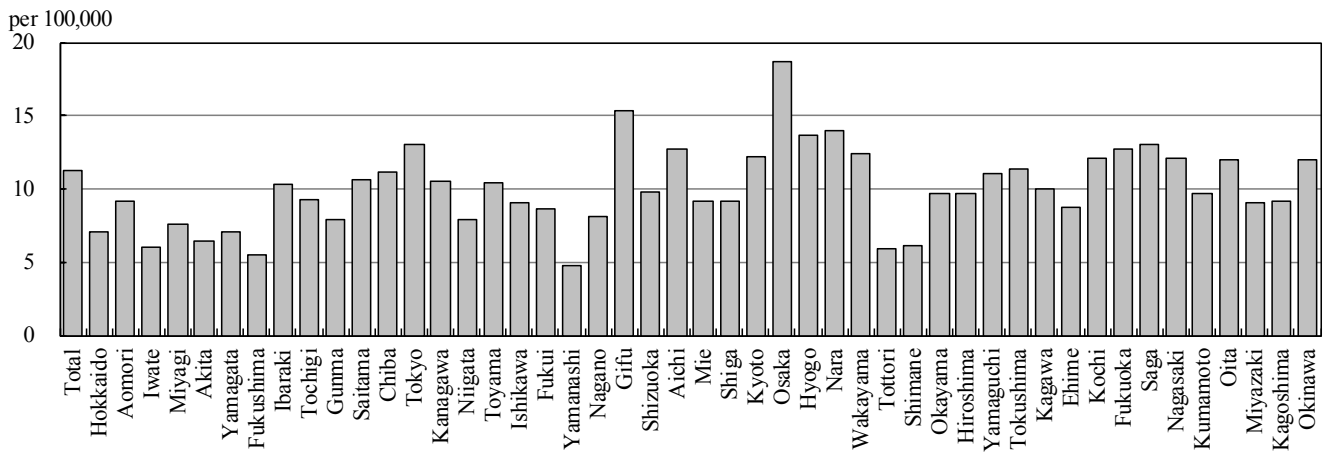


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Sep.) 2019

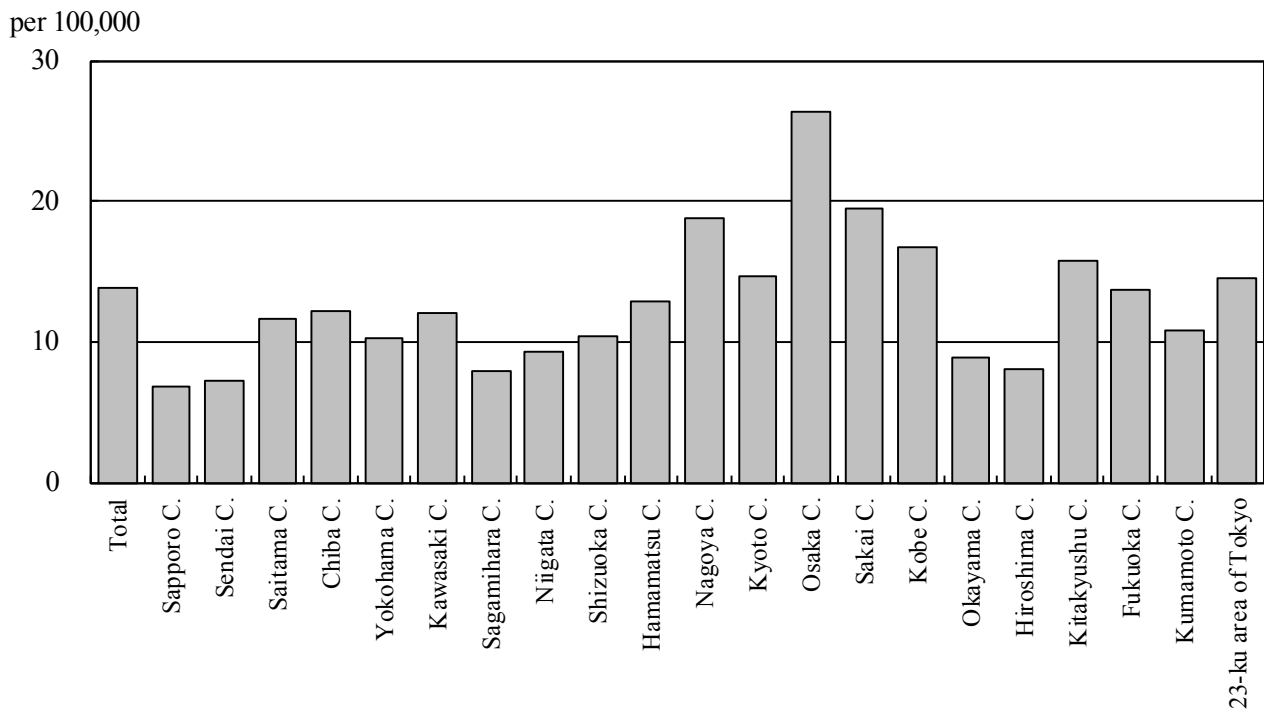


Figure 6. Number of LTBI, Japan, 2016-2019

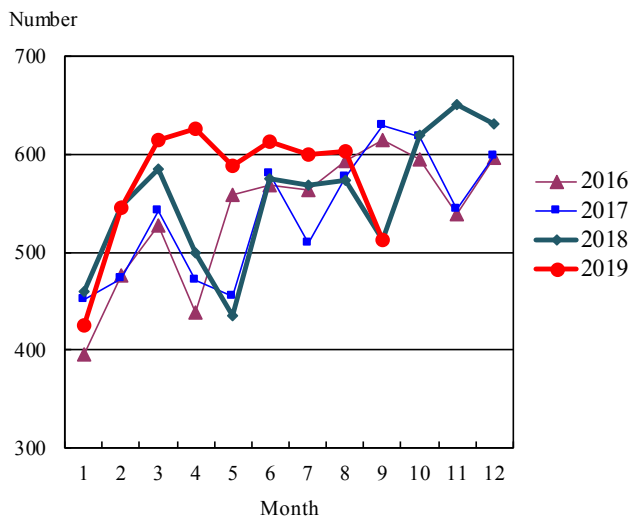


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Sep.) 2019

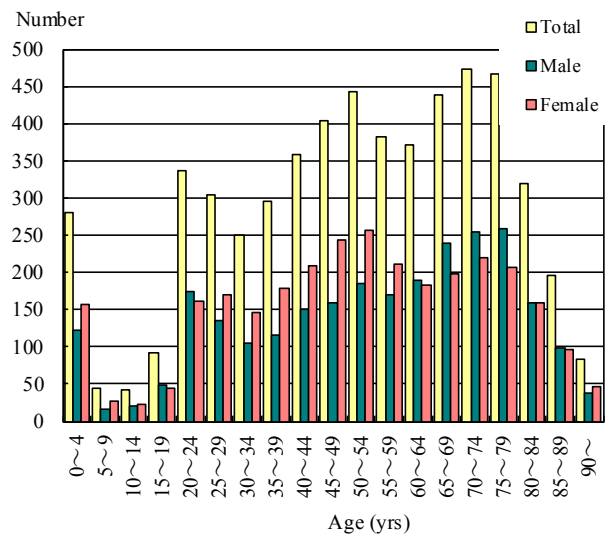


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2019

	Jan.			Summation (Jan.-Sep.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,031	602	429	10,637	6,298	4,339	11.2	13.6	8.9
0~4	2	0	2	16	5	11	0.4	0.3	0.6
5~9	1	1	0	7	6	1	0.2	0.3	0.1
10~14	0	0	0	9	6	3	0.2	0.3	0.2
15~19	7	3	4	108	63	45	2.4	2.8	2.1
20~24	33	15	18	459	292	167	9.7	11.9	7.3
25~29	43	27	16	407	227	180	8.7	9.5	7.9
30~34	24	10	14	262	146	116	5.0	5.5	4.5
35~39	39	21	18	294	157	137	5.1	5.4	4.8
40~44	35	17	18	319	188	131	4.7	5.4	3.9
45~49	47	34	13	401	238	163	5.5	6.5	4.5
50~54	50	35	15	405	277	128	6.5	8.8	4.1
55~59	27	17	10	393	263	130	6.8	9.2	4.5
60~64	42	24	18	433	300	133	7.6	10.7	4.6
65~69	52	39	13	642	442	200	9.1	13.0	5.5
70~74	88	58	30	857	594	263	13.9	20.5	8.0
75~79	130	87	43	1,237	822	415	23.8	35.3	14.4
80~84	158	92	66	1,410	814	596	35.2	49.5	25.2
85~89	127	68	59	1,544	817	727	58.6	88.9	42.4
90~	126	54	72	1,434	641	793	87.6	159.1	64.3

Temporary registrants = 58, Total of registrants and temporary registrants = 1,089

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.-Sep.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	328	199	129	3,667	2,330	1,337	3.9	5.0	2.7
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	0.1
15~19	2	1	1	29	18	11	0.7	0.8	0.5
20~24	7	4	3	121	87	34	2.5	3.6	1.5
25~29	10	4	6	89	48	41	1.9	2.0	1.8
30~34	7	4	3	52	26	26	1.0	1.0	1.0
35~39	11	7	4	84	52	32	1.5	1.8	1.1
40~44	11	2	9	92	60	32	1.3	1.7	1.0
45~49	15	9	6	122	87	35	1.7	2.4	1.0
50~54	7	6	1	139	114	25	2.2	3.6	0.8
55~59	11	7	4	132	103	29	2.3	3.6	1.0
60~64	14	10	4	138	104	34	2.4	3.7	1.2
65~69	14	11	3	226	179	47	3.2	5.3	1.3
70~74	27	18	9	293	219	74	4.7	7.5	2.3
75~79	39	30	9	427	303	124	8.2	13.0	4.3
80~84	61	35	26	495	295	200	12.3	17.9	8.5
85~89	42	25	17	621	346	275	23.6	37.7	16.0
90~	50	26	24	606	289	317	37.0	71.7	25.7

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.-Sep.)		Notification rate (per 100,000)	
	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)
Total	1,031	328	10,637	3,667	11.2	3.9
Hokkaido	35	17	282	93	7.1	2.3
Aomori	2	2	87	36	9.2	3.8
Iwate	3	2	56	24	6.0	2.6
Miyagi	11	5	131	43	7.5	2.5
Akita	5	1	47	17	6.4	2.3
Yamagata	6	2	58	25	7.1	3.1
Fukushima	10	3	77	24	5.5	1.7
Ibaraki	20	9	223	72	10.3	3.3
Tochigi	7	2	135	59	9.2	4.0
Gunma	8	2	115	34	7.9	2.3
Saitama	62	21	587	202	10.7	3.7
Chiba	47	13	525	186	11.2	4.0
Tokyo	139	42	1,354	447	13.1	4.3
Kanagawa	73	18	726	221	10.5	3.2
Niigata	7	2	133	35	7.9	2.1
Toyama	5	0	82	18	10.4	2.3
Ishikawa	4	0	78	27	9.1	3.1
Fukui	6	1	50	12	8.6	2.1
Yamanashi	4	3	29	14	4.7	2.3
Nagano	17	8	125	51	8.1	3.3
Gifu	25	1	230	76	15.4	5.1
Shizuoka	20	4	269	92	9.8	3.4
Aichi	51	17	719	235	12.7	4.2
Mie	14	6	123	44	9.2	3.3
Shiga	4	2	97	31	9.2	2.9
Kyoto	21	3	238	86	12.2	4.4
Osaka	120	45	1,236	482	18.7	7.3
Hyogo	75	16	564	196	13.7	4.8
Nara	12	6	140	59	13.9	5.9
Wakayama	6	4	87	38	12.4	5.4
Tottori	3	1	25	5	5.9	1.2
Shimane	5	2	31	13	6.1	2.5
Okayama	8	4	138	52	9.7	3.7
Hiroshima	21	8	205	69	9.7	3.3
Yamaguchi	5	0	114	33	11.1	3.2
Tokushima	7	5	63	28	11.4	5.1
Kagawa	9	2	72	22	10.0	3.0
Ehime	18	0	89	28	8.8	2.8
Kochi	7	1	64	21	12.1	4.0
Fukuoka	55	17	487	143	12.7	3.7
Saga	8	5	80	34	13.0	5.5
Nagasaki	13	5	122	39	12.1	3.9
Kumamoto	16	6	127	41	9.6	3.1
Oita	13	9	103	53	12.0	6.2
Miyazaki	7	3	73	31	9.0	3.8
Kagoshima	6	0	111	36	9.2	3.0
Okinawa	11	3	130	40	12.0	3.7

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.-Sep.)		Notification Rate (per 100,000)	
	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)
Total	396	121	3,847	1,296	13.8	4.6
Sapporo City	17	5	100	33	6.8	2.2
Sendai City	4	2	59	21	7.2	2.6
Saitama City	12	2	114	35	11.7	3.6
Chiba City	3	1	89	34	12.1	4.6
Yokohama City	26	7	286	86	10.2	3.1
Kawasaki City	11	1	137	33	12.0	2.9
Sagamihara City	10	3	43	17	7.9	3.1
Niigata City	6	1	56	14	9.3	2.3
Shizuoka City	1	0	55	20	10.4	3.8
Hamamatsu City	12	2	77	16	12.9	2.7
Nagoya City	28	14	327	126	18.8	7.2
Kyoto City	19	2	162	59	14.7	5.4
Osaka City	48	18	539	212	26.4	10.4
Sakai City	14	8	122	59	19.4	9.4
Kobe City	29	3	192	51	16.8	4.5
Okayama City	3	2	47	15	8.8	2.8
Hiroshima City	4	2	72	23	8.0	2.6
Kitakyushu City	12	2	112	24	15.8	3.4
Fukuoka City	16	4	163	49	13.8	4.1
Kumamoto City	9	4	60	24	10.8	4.3
23-ku area of Tokyo	112	38	1,035	345	14.5	4.8

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.-Sep.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	512	251	261	5,584	2,645	2,939	0.5	0.4	0.7
0~4	21	8	13	281	123	158	17.6	24.6	14.4
5~9	3	1	2	45	17	28	6.4	2.8	28.0
10~14	8	5	3	43	21	22	4.8	3.5	7.3
15~19	7	3	4	93	49	44	0.9	0.8	1.0
20~24	20	9	11	336	175	161	0.7	0.6	1.0
25~29	31	16	15	305	135	170	0.7	0.6	0.9
30~34	20	8	12	251	105	146	1.0	0.7	1.3
35~39	16	5	11	295	116	179	1.0	0.7	1.3
40~44	34	18	16	358	150	208	1.1	0.8	1.6
45~49	44	25	19	403	160	243	1.0	0.7	1.5
50~54	43	20	23	442	185	257	1.1	0.7	2.0
55~59	31	13	18	381	170	211	1.0	0.6	1.6
60~64	36	20	16	372	189	183	0.9	0.6	1.4
65~69	48	26	22	439	240	199	0.7	0.5	1.0
70~74	43	23	20	474	254	220	0.6	0.4	0.8
75~79	43	19	24	466	259	207	0.4	0.3	0.5
80~84	38	18	20	320	160	160	0.2	0.2	0.3
85~89	18	11	7	196	99	97	0.1	0.1	0.1
90~	8	3	5	84	38	46	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.-Sep.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	512	5,584	0.52
Hokkaido	13	188	0.67
Aomori	5	82	0.94
Iwate	1	56	1.00
Miyagi	12	122	0.93
Akita	5	34	0.72
Yamagata	3	29	0.50
Fukushima	1	42	0.55
Ibaraki	15	148	0.66
Tochigi	9	52	0.39
Gunma	2	50	0.43
Saitama	47	360	0.61
Chiba	17	247	0.47
Tokyo	84	770	0.57
Kanagawa	32	367	0.51
Niigata	3	91	0.68
Toyama	7	54	0.66
Ishikawa	1	37	0.47
Fukui	0	20	0.40
Yamanashi	0	16	0.55
Nagano	15	106	0.85
Gifu	14	79	0.34
Shizuoka	6	81	0.30
Aichi	27	326	0.45
Mie	4	68	0.55
Shiga	5	60	0.62
Kyoto	11	119	0.50
Osaka	50	539	0.44
Hyogo	19	260	0.46
Nara	2	63	0.45
Wakayama	2	31	0.36
Tottori	2	6	0.24
Shimane	1	9	0.29
Okayama	2	83	0.60
Hiroshima	5	115	0.56
Yamaguchi	5	50	0.44
Tokushima	3	26	0.41
Kagawa	4	28	0.39
Ehime	2	28	0.31
Kochi	0	23	0.36
Fukuoka	33	267	0.55
Saga	0	28	0.35
Nagasaki	3	42	0.34
Kumamoto	3	29	0.23
Oita	10	62	0.60
Miyazaki	3	67	0.92
Kagoshima	16	122	1.10
Okinawa	8	102	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.-Sep.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	195	1,934	0.50
Sapporo City	7	101	1.01
Sendai City	5	56	0.95
Saitama City	2	45	0.39
Chiba City	4	41	0.46
Yokohama City	15	112	0.39
Kawasaki City	4	94	0.69
Sagamihara City	2	21	0.49
Niigata City	2	42	0.75
Shizuoka City	0	18	0.33
Hamamatsu City	4	19	0.25
Nagoya City	16	129	0.39
Kyoto City	10	75	0.46
Osaka City	22	233	0.43
Sakai City	5	67	0.55
Kobe City	6	74	0.39
Okayama City	0	45	0.96
Hiroshima City	3	40	0.56
Kitakyushu City	4	41	0.37
Fukuoka City	20	118	0.72
Kumamoto City	2	16	0.27
23-ku area of Tokyo	62	547	0.53

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