



Monthly Report of Tuberculosis Surveillance, Japan – October, 2017

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, 2017

Figure 2. Newly notified TB cases by sex and age, Japan, summation (Jan. - Oct.) 2017

Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan. - Oct.) 2017

Figure 4. Notification rate of TB by prefecture, Japan, summation (Jan. - Oct.) 2017

Figure 5. Notification rate of TB by major city, Japan, summation (Jan. - Oct.) 2017

Figure 6. Number of LTBI, Japan, 2017

Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan. - Oct.) 2017

Tables

Table 1. Newly notified TB cases and rates by sex and age, Japan, 2017

Table 2. Newly notified sputum smear positive pulmonary TB cases and rates by sex and age, Japan, 2017

Table 3. Newly notified TB cases and rates by prefecture, Japan, 2017

Table 4. Newly notified TB cases and rates by major city, Japan, 2017

Table 5. LTBI cases and rates by sex and age, Japan, 2017

Table 6. LTBI cases and rates by prefecture, Japan, 2017

Table 7. LTBI cases and rates by major city, Japan, 2017

Figure 1. Number of newly notified TB cases by month, Japan, 2014-2017

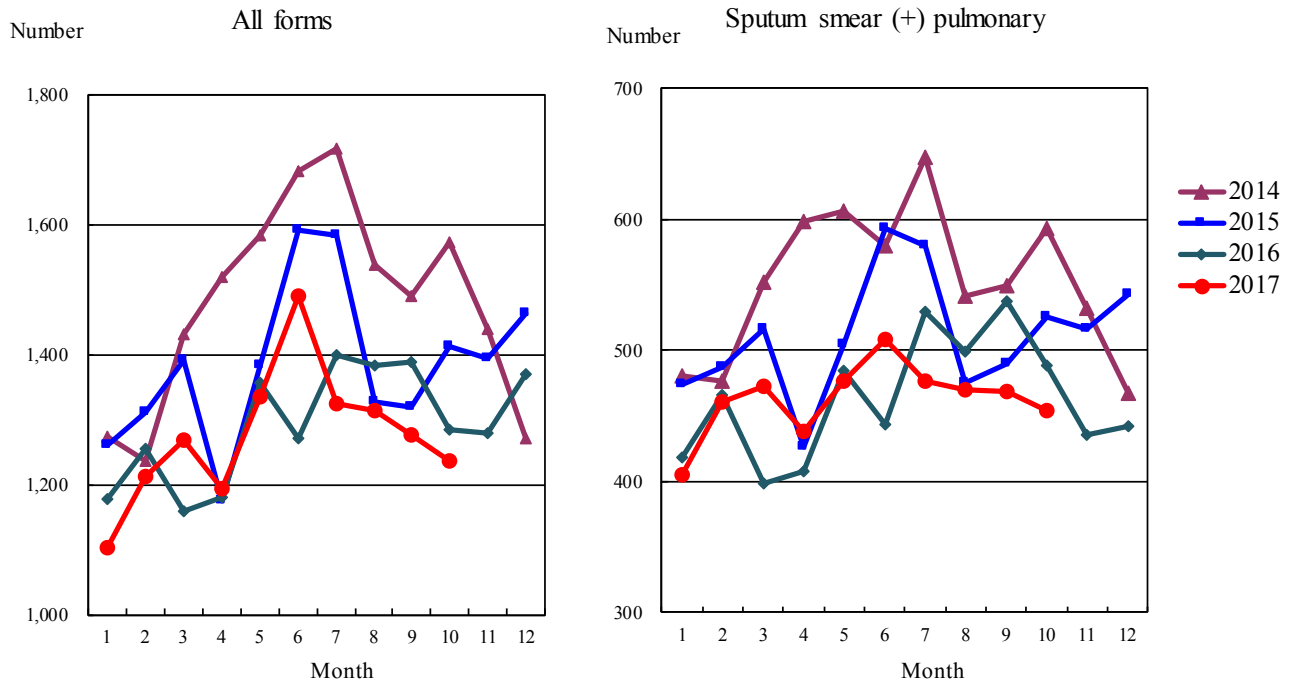


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Oct.) 2017

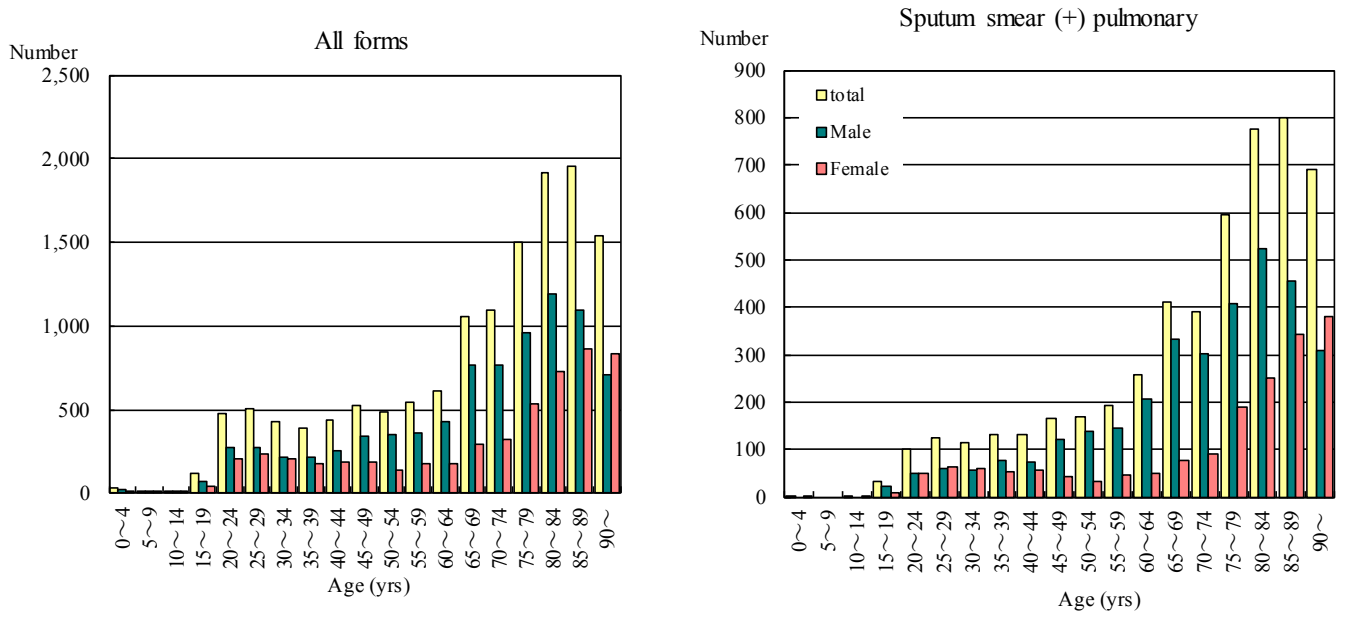


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Oct.) 2017

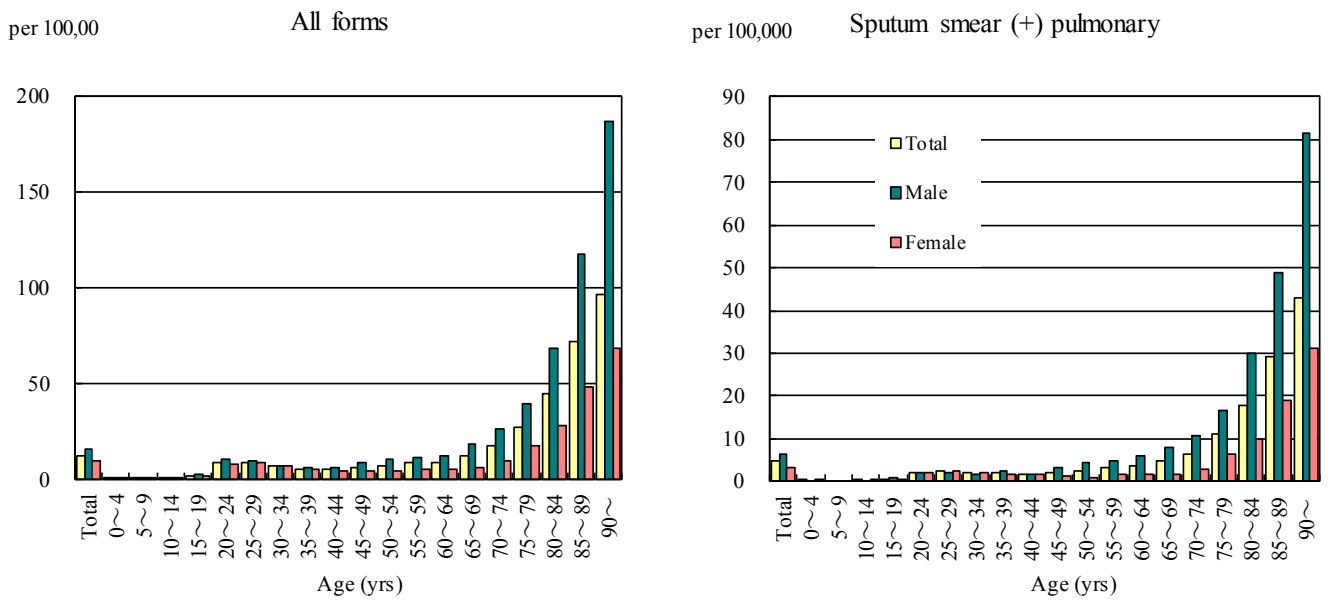


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Oct.) 2017

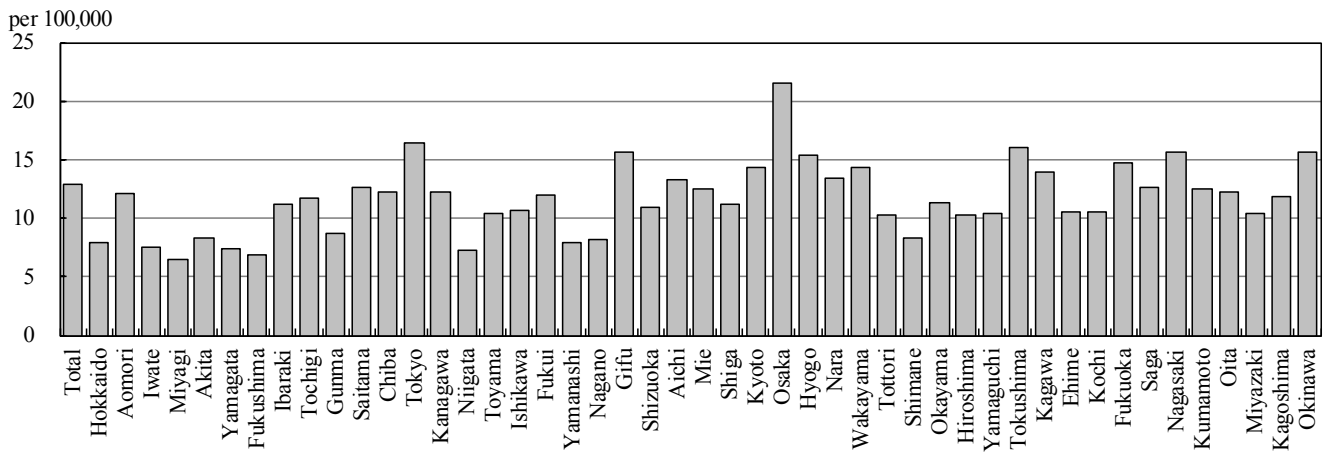


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Oct.) 2017

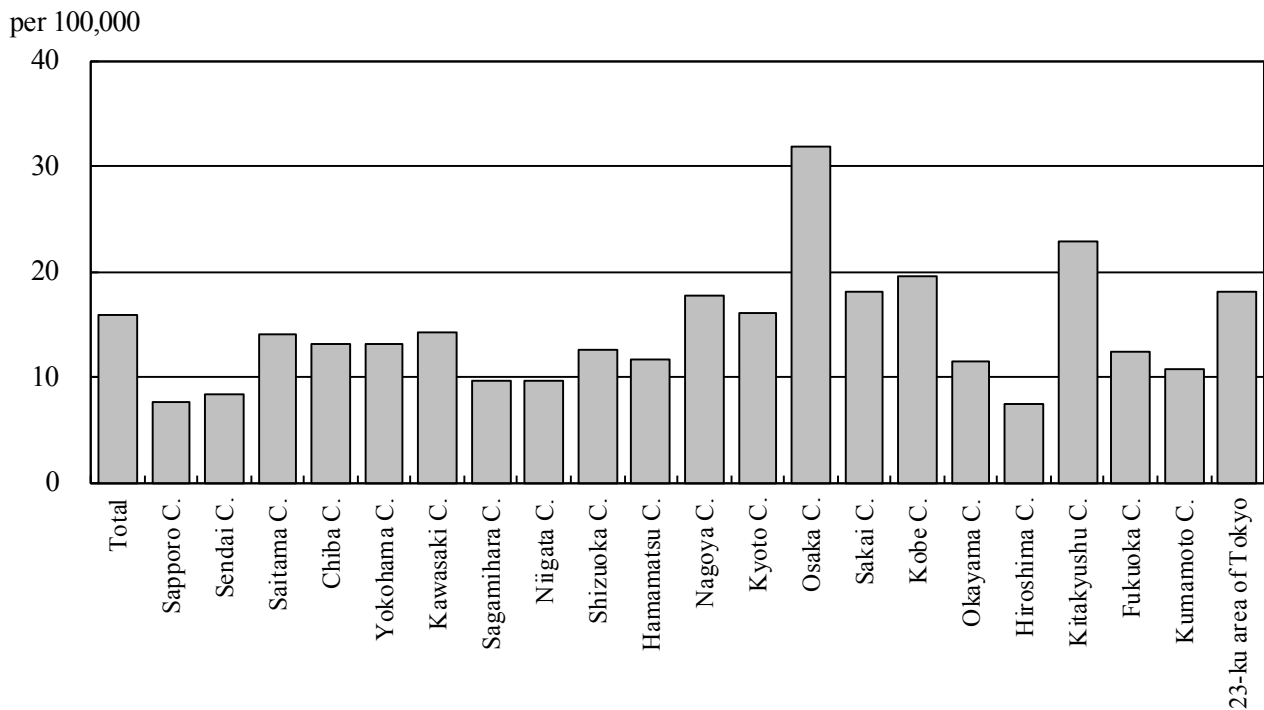


Figure 6. Number of LTBI, Japan, 2014-2017

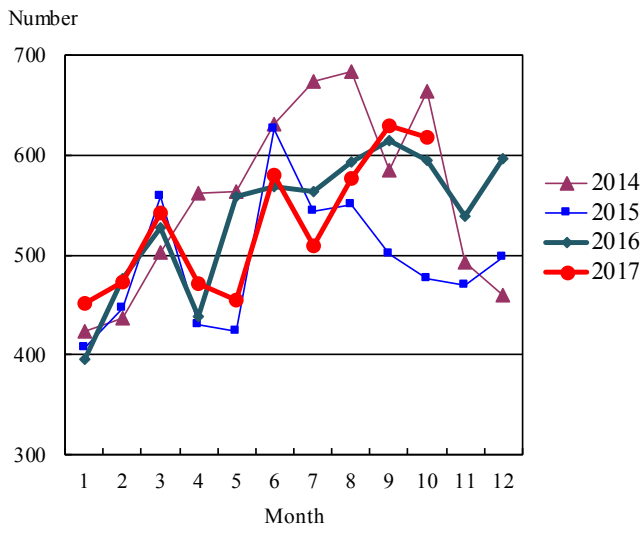


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Oct.) 2017

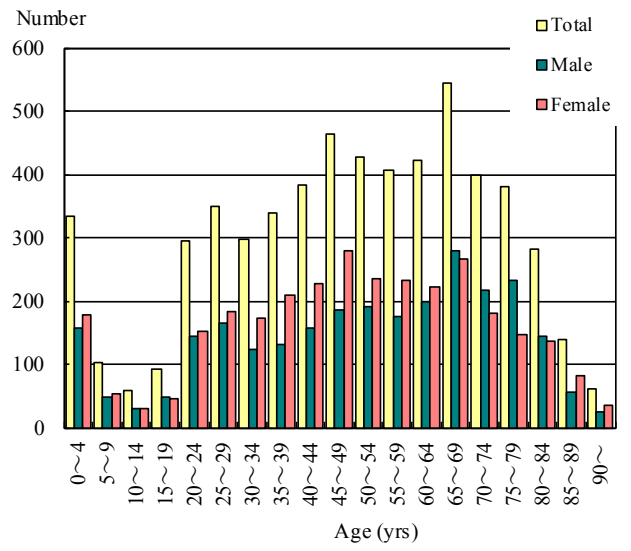


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2017

	Oct.			Summation (Jan.-Oct.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,237	777	460	13,638	8,304	5,334	12.9	16.1	9.8
0~4	6	3	3	31	19	12	0.7	0.9	0.6
5~9	1	0	1	7	5	2	0.2	0.2	0.1
10~14	0	0	0	14	5	9	0.3	0.2	0.4
15~19	13	11	2	119	74	45	2.4	2.9	1.8
20~24	38	27	11	480	272	208	9.4	10.3	8.4
25~29	56	32	24	503	272	231	9.4	10.0	8.9
30~34	34	20	14	427	217	210	7.1	7.1	7.1
35~39	22	14	8	389	212	177	5.8	6.2	5.3
40~44	41	21	20	440	253	187	5.4	6.2	4.7
45~49	37	25	12	523	340	183	6.8	8.7	4.8
50~54	45	37	8	488	350	138	7.4	10.6	4.2
55~59	53	35	18	541	365	176	8.6	11.6	5.6
60~64	50	39	11	608	432	176	8.9	12.9	5.1
65~69	96	73	23	1,058	763	295	12.4	18.4	6.7
70~74	111	78	33	1,096	771	325	17.8	26.8	9.9
75~79	134	83	51	1,500	964	536	27.6	39.8	17.8
80~84	180	108	72	1,918	1,192	726	44.4	68.3	28.2
85~89	196	112	84	1,954	1,092	862	71.6	117.0	48.0
90~	124	59	65	1,542	706	836	96.0	186.6	68.1

Temporary registrants = 63, Total of registrants and temporary registrants = 1,300

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

Population: as of 1st Oct. 2016

Table 2. Newly notified sputum smear positive pulmonary TB cases and rates by sex and age, Japan, 2017

	Oct.			Summation (Jan.-Oct.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	454	308	146	5,080	3,283	1,797	4.8	6.4	3.3
0~4	1	0	1	1	0	1	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	3	0	3	0.1	0.0	0.1
15~19	1	1	0	31	21	10	0.6	0.8	0.4
20~24	13	8	5	100	50	50	2.0	1.9	2.0
25~29	16	8	8	123	60	63	2.3	2.2	2.4
30~34	9	3	6	116	56	60	1.9	1.8	2.0
35~39	6	3	3	132	78	54	2.0	2.3	1.6
40~44	13	7	6	132	74	58	1.6	1.8	1.5
45~49	12	9	3	164	122	42	2.1	3.1	1.1
50~54	17	13	4	170	139	31	2.6	4.2	0.9
55~59	16	12	4	193	146	47	3.1	4.7	1.5
60~64	14	13	1	256	206	50	3.8	6.2	1.4
65~69	38	32	6	411	334	77	4.8	8.1	1.7
70~74	43	39	4	392	302	90	6.4	10.5	2.7
75~79	44	31	13	594	406	188	10.9	16.8	6.2
80~84	76	49	27	775	525	250	18.0	30.1	9.7
85~89	88	57	31	798	456	342	29.2	48.9	19.0
90~	47	23	24	689	308	381	42.9	81.4	31.0

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

Population: as of 1st Oct. 2016

Table 3. Newly notified TB cases and rates by prefecture, Japan, 2017

	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	1,237	454	13,638	5,080	12.9	4.8
Hokkaido	41	12	355	116	8.0	2.6
Aomori	12	4	131	58	12.2	5.4
Iwate	5	1	80	20	7.6	1.9
Miyagi	15	4	126	39	6.5	2.0
Akita	9	7	70	29	8.3	3.4
Yamagata	3	1	68	27	7.3	2.9
Fukushima	11	7	108	45	6.8	2.8
Ibaraki	27	11	270	106	11.2	4.4
Tochigi	16	7	191	84	11.7	5.1
Gunma	13	2	143	37	8.7	2.3
Saitama	63	21	764	309	12.6	5.1
Chiba	39	14	636	220	12.2	4.2
Tokyo	166	61	1,859	653	16.4	5.8
Kanagawa	78	25	934	337	12.3	4.4
Niigata	13	4	139	51	7.3	2.7
Toyama	11	6	92	25	10.4	2.8
Ishikawa	11	4	102	36	10.6	3.8
Fukui	8	3	78	32	12.0	4.9
Yamanashi	4	2	55	26	8.0	3.8
Nagano	18	5	142	52	8.2	3.0
Gifu	23	9	263	91	15.6	5.4
Shizuoka	27	10	336	114	10.9	3.7
Aichi	72	28	830	292	13.3	4.7
Mie	22	9	188	78	12.5	5.2
Shiga	10	5	132	45	11.2	3.8
Kyoto	37	15	312	135	14.4	6.2
Osaka	143	61	1,584	663	21.5	9.0
Hyogo	59	15	709	257	15.4	5.6
Nara	15	6	151	67	13.4	5.9
Wakayama	8	4	114	46	14.3	5.8
Tottori	5	1	49	16	10.3	3.4
Shimane	6	2	48	22	8.3	3.8
Okayama	11	6	181	79	11.3	5.0
Hiroshima	23	11	243	87	10.3	3.7
Yamaguchi	15	5	121	37	10.4	3.2
Tokushima	14	5	100	33	16.0	5.3
Kagawa	9	3	113	47	13.9	5.8
Ehime	6	1	120	47	10.5	4.1
Kochi	3	0	63	23	10.5	3.8
Fukuoka	66	28	627	237	14.7	5.6
Saga	13	4	87	38	12.6	5.5
Nagasaki	16	4	178	62	15.6	5.4
Kumamoto	16	4	184	65	12.4	4.4
Oita	13	7	118	49	12.2	5.1
Miyazaki	12	1	95	39	10.4	4.3
Kagoshima	16	6	162	49	11.9	3.6
Okinawa	14	3	187	60	15.6	5.0

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

Population: as of 1st Oct. 2016

Table 4. Newly notified TB cases and rates by major city, Japan, 2017

	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	458	180	4,908	1,821	15.9	5.9
Sapporo City	17	4	123	38	7.5	2.3
Sendai City	8	3	75	23	8.3	2.5
Saitama City	16	5	150	64	14.1	6.0
Chiba City	7	2	106	43	13.1	5.3
Yokohama City	33	11	410	131	13.2	4.2
Kawasaki City	11	3	177	73	14.3	5.9
Sagamihara City	8	1	58	24	9.6	4.0
Niigata City	9	4	65	27	9.7	4.0
Shizuoka City	1	1	74	23	12.5	3.9
Hamamatsu City	10	5	78	28	11.7	4.2
Nagoya City	24	6	341	112	17.8	5.8
Kyoto City	32	14	198	89	16.1	7.2
Osaka City	71	30	718	291	31.9	12.9
Sakai City	8	5	126	57	18.1	8.2
Kobe City	22	8	251	96	19.6	7.5
Okayama City	6	5	68	32	11.5	5.4
Hiroshima City	3	1	75	29	7.5	2.9
Kitakyushu City	18	6	182	72	22.8	9.0
Fukuoka City	16	11	161	66	12.4	5.1
Kumamoto City	3	2	66	19	10.7	3.1
23-ku area of Tokyo	135	53	1,406	484	18.0	6.2

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

Population: as of 1st Oct. 2016

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, 2017

	Oct.			Summation (Jan.-Oct.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	618	282	336	5,777	2,708	3,069	0.4	0.3	0.6
0~4	34	14	20	333	156	177	10.7	8.2	14.8
5~9	7	3	4	103	49	54	14.7	9.8	27.0
10~14	5	3	2	58	29	29	4.1	5.8	3.2
15~19	18	9	9	93	48	45	0.8	0.6	1.0
20~24	23	14	9	295	144	151	0.6	0.5	0.7
25~29	49	23	26	349	165	184	0.7	0.6	0.8
30~34	25	10	15	298	124	174	0.7	0.6	0.8
35~39	37	18	19	340	132	208	0.9	0.6	1.2
40~44	37	13	24	384	157	227	0.9	0.6	1.2
45~49	51	25	26	463	185	278	0.9	0.5	1.5
50~54	47	19	28	426	190	236	0.9	0.5	1.7
55~59	55	23	32	407	175	232	0.8	0.5	1.3
60~64	49	19	30	423	200	223	0.7	0.5	1.3
65~69	49	20	29	545	279	266	0.5	0.4	0.9
70~74	35	14	21	399	218	181	0.4	0.3	0.6
75~79	46	28	18	380	232	148	0.3	0.2	0.3
80~84	28	17	11	281	144	137	0.1	0.1	0.2
85~89	17	8	9	140	57	83	0.1	0.1	0.1
90~	6	2	4	60	24	36	0.0	0.0	0.0

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, 2017

	Oct.	Summation (Jan.-Oct.)	
	LTBI	LTBI	(Ratio) LTBI /new TB
Total	618	5,777	0.42
Hokkaido	19	166	0.47
Aomori	7	101	0.77
Iwate	19	90	1.13
Miyagi	10	129	1.02
Akita	1	28	0.40
Yamagata	5	26	0.38
Fukushima	3	33	0.31
Ibaraki	9	134	0.50
Tochigi	3	44	0.23
Gunma	2	55	0.38
Saitama	62	390	0.51
Chiba	23	355	0.56
Tokyo	93	765	0.41
Kanagawa	37	411	0.44
Niigata	11	61	0.44
Toyama	8	57	0.62
Ishikawa	4	41	0.40
Fukui	4	41	0.53
Yamanashi	3	18	0.33
Nagano	3	98	0.69
Gifu	5	117	0.44
Shizuoka	4	107	0.32
Aichi	33	333	0.40
Mie	4	40	0.21
Shiga	6	70	0.53
Kyoto	17	137	0.44
Osaka	63	485	0.31
Hyogo	29	228	0.32
Nara	8	91	0.60
Wakayama	5	42	0.37
Tottori	2	7	0.14
Shimane	4	35	0.73
Okayama	10	122	0.67
Hiroshima	5	79	0.33
Yamaguchi	5	47	0.39
Tokushima	1	17	0.17
Kagawa	1	20	0.18
Ehime	5	46	0.38
Kochi	5	9	0.14
Fukuoka	30	265	0.42
Saga	2	21	0.24
Nagasaki	11	81	0.46
Kumamoto	6	48	0.26
Oita	14	78	0.66
Miyazaki	3	51	0.54
Kagoshima	4	52	0.32
Okinawa	10	106	0.57

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, 2017

	Oct.	Summation (Jan.-Oct.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	209	1,889	0.38
Sapporo City	5	69	0.56
Sendai City	5	86	1.15
Saitama City	6	39	0.26
Chiba City	4	41	0.39
Yokohama City	17	170	0.41
Kawasaki City	7	75	0.42
Sagamihara City	3	28	0.48
Niigata City	2	18	0.28
Shizuoka City	0	19	0.26
Hamamatsu City	2	21	0.27
Nagoya City	11	116	0.34
Kyoto City	10	93	0.47
Osaka City	25	193	0.27
Sakai City	6	44	0.35
Kobe City	15	83	0.33
Okayama City	4	69	1.01
Hiroshima City	0	25	0.33
Kitakyushu City	10	75	0.41
Fukuoka City	8	70	0.43
Kumamoto City	3	20	0.30
23-ku area of Tokyo	66	535	0.38

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