



## Monthly Report of Tuberculosis Surveillance, Japan – March, 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 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.

### 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.-Mar.) 2017

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

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

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

Figure 6. Number of LTBI, Japan, 2017

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

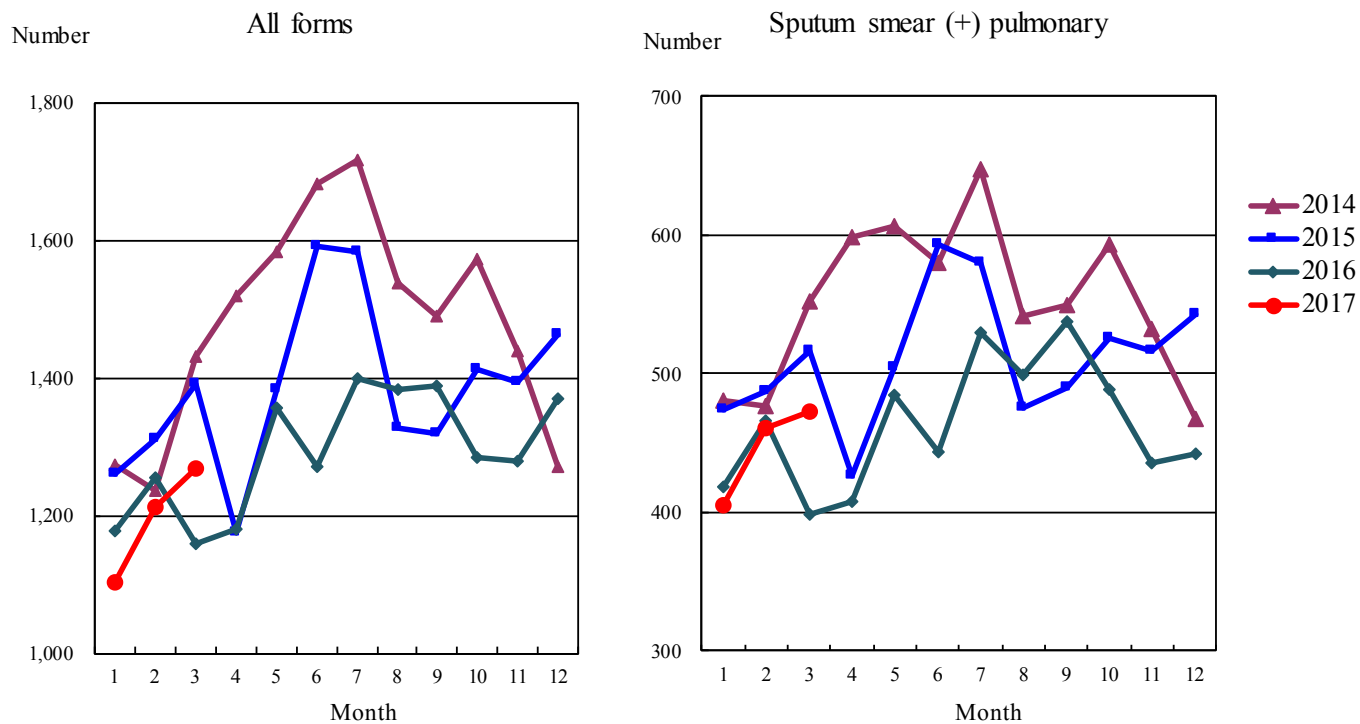


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Mar.) 2017

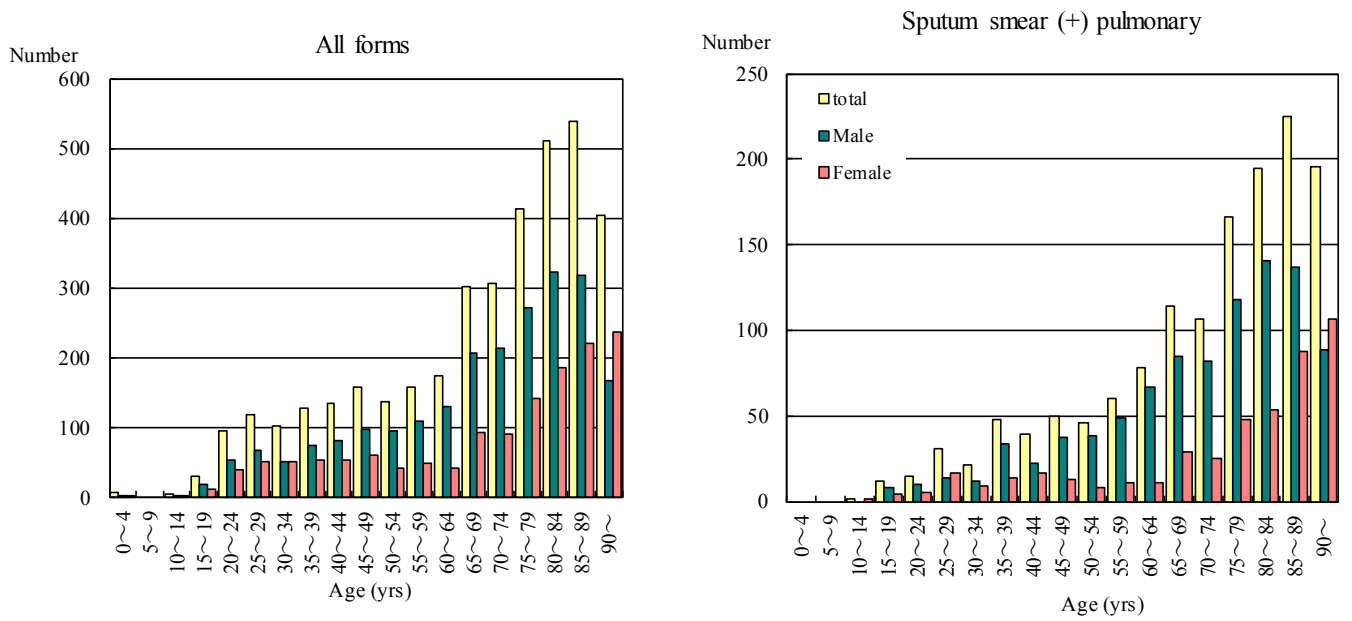


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Mar.) 2017

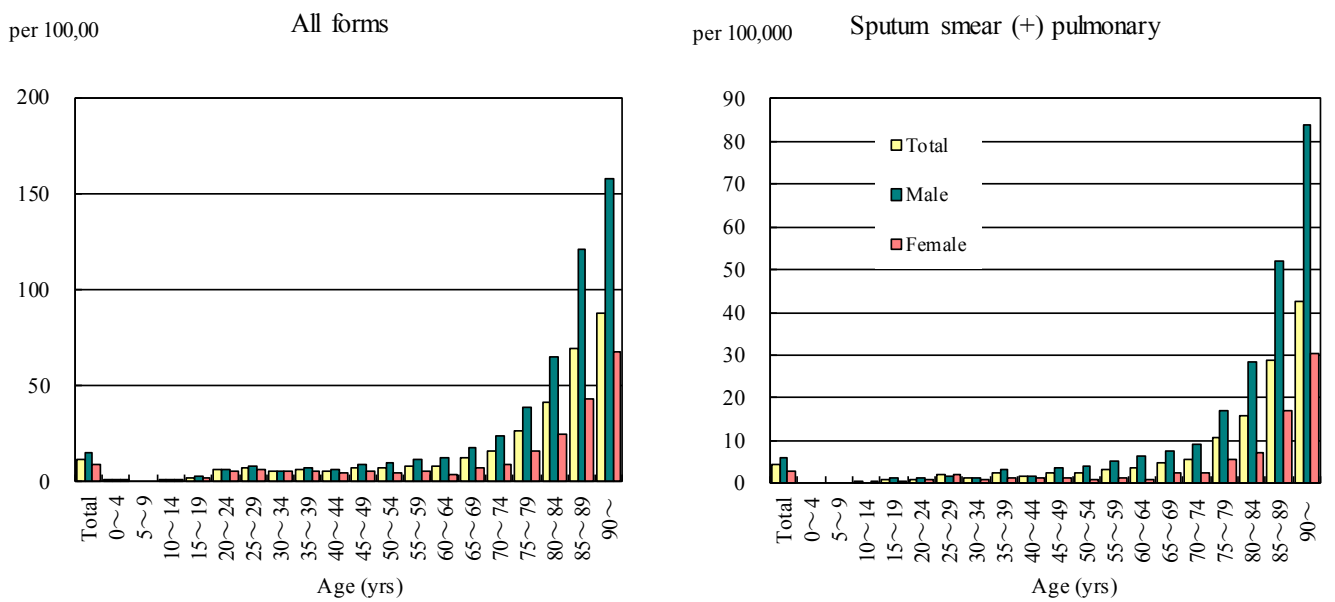


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Mar.) 2017

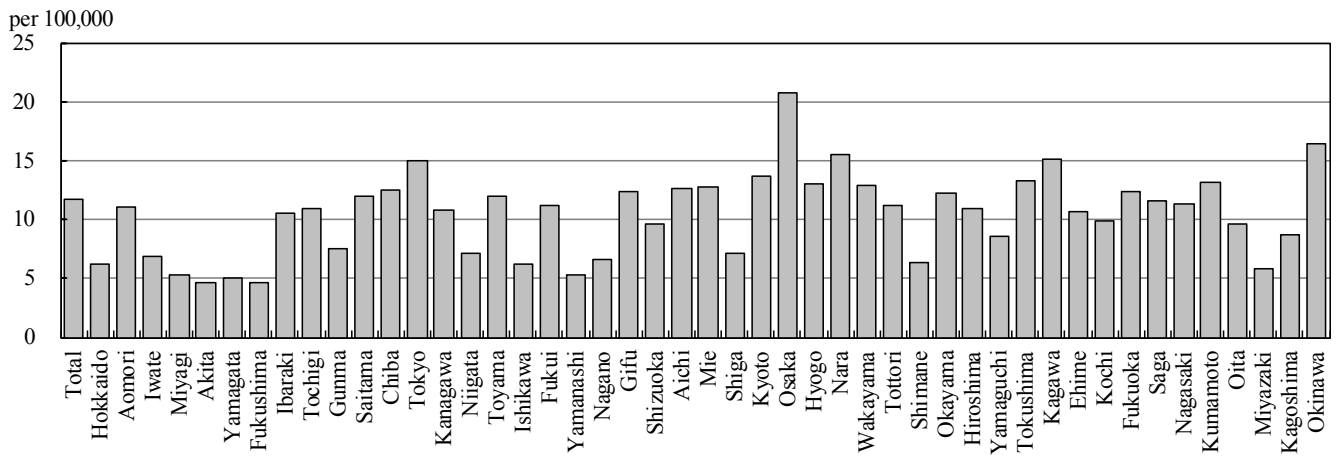


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Mar.) 2017

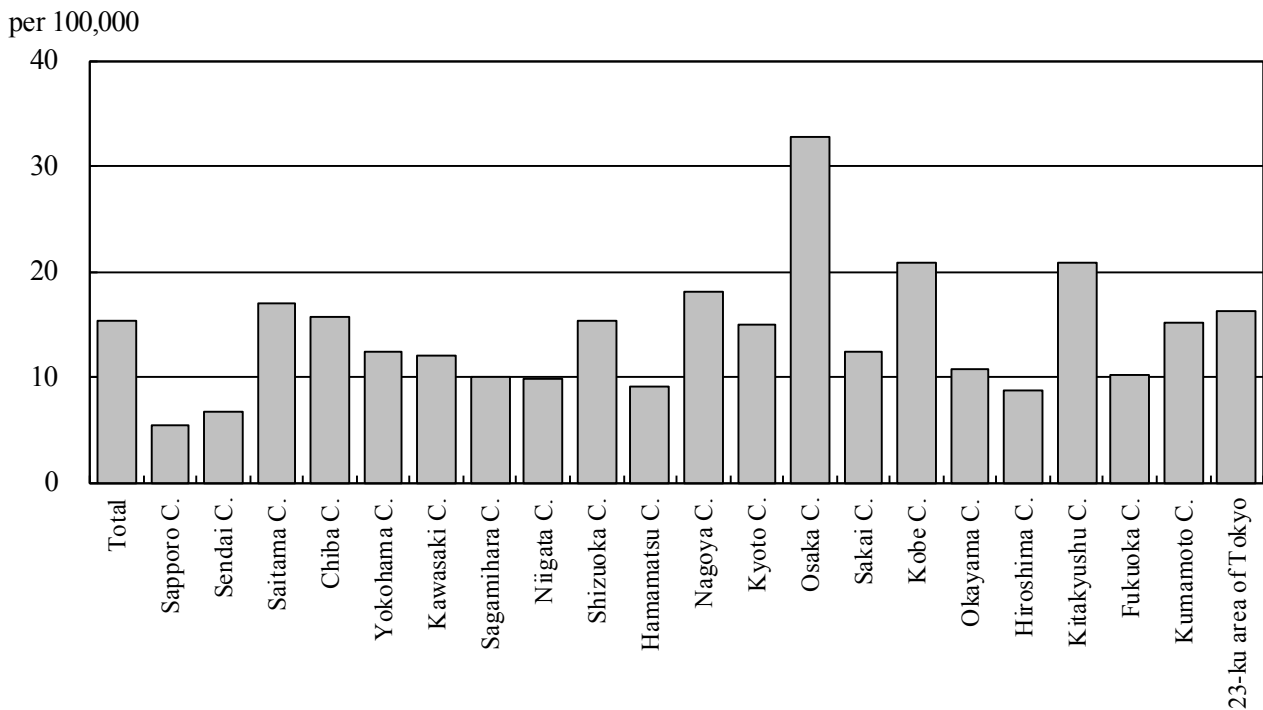


Figure 6. Number of LTBI, Japan, 2014-2017

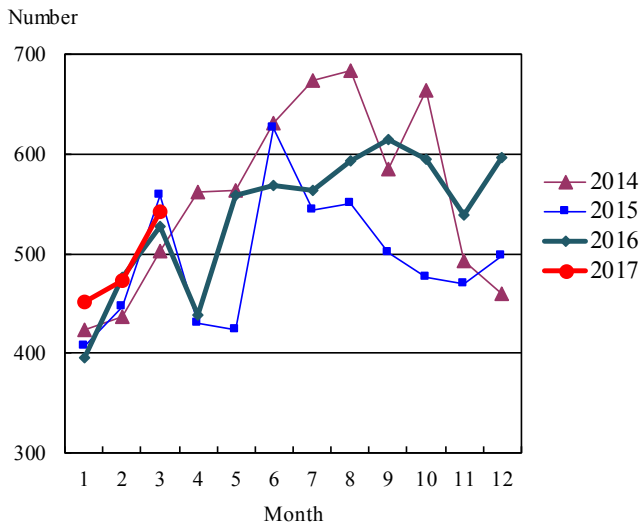


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Mar.) 2017

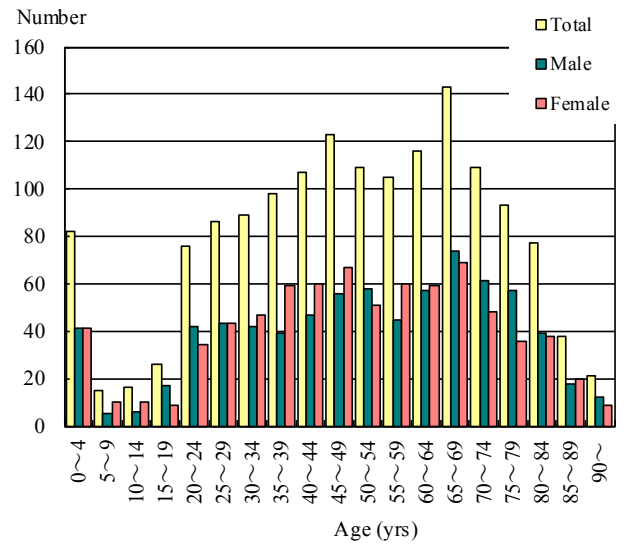


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2017

	Mar.			Summation (Jan.-Mar.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,268	773	495	3,727	2,291	1,436	11.7	14.8	8.8
0~4	2	1	1	7	3	4	0.5	0.5	0.6
5~9	0	0	0	0	0	0	0.0	0.0	0.0
10~14	1	1	0	5	3	2	0.4	0.4	0.3
15~19	11	9	2	31	19	12	2.1	2.5	1.7
20~24	28	16	12	95	54	41	6.2	6.8	5.5
25~29	36	17	19	118	67	51	7.3	8.1	6.5
30~34	36	20	16	103	52	51	5.7	5.7	5.7
35~39	33	17	16	129	75	54	6.3	7.2	5.3
40~44	47	27	20	135	82	53	5.6	6.7	4.4
45~49	48	31	17	159	99	60	7.4	9.2	5.6
50~54	42	25	17	138	95	43	7.0	9.6	4.4
55~59	52	35	17	158	109	49	8.5	11.8	5.2
60~64	50	36	14	174	131	43	8.3	12.8	4.0
65~69	121	85	36	302	208	94	12.6	18.0	7.6
70~74	118	85	33	306	214	92	16.0	24.1	8.9
75~79	131	88	43	413	271	142	26.3	39.1	16.2
80~84	171	116	55	510	324	186	41.2	65.3	25.1
85~89	189	112	77	539	318	221	69.4	121.0	43.0
90~	152	52	100	405	167	238	88.1	157.6	67.3

Temporary registrants = 64, Total of registrants and temporary registrants = 1,332

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

Population: as of 1st Oct. 2015

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

	Mar.			Summation (Jan.-Mar.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	473	316	157	1,404	943	461	4.4	6.1	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	0.1	0.0	0.1
15~19	3	2	1	12	8	4	0.8	1.1	0.6
20~24	5	3	2	15	10	5	1.0	1.3	0.7
25~29	10	3	7	31	14	17	1.9	1.7	2.2
30~34	7	4	3	21	12	9	1.2	1.3	1.0
35~39	15	10	5	48	34	14	2.3	3.3	1.4
40~44	15	6	9	39	22	17	1.6	1.8	1.4
45~49	17	12	5	50	37	13	2.3	3.4	1.2
50~54	16	12	4	46	38	8	2.3	3.9	0.8
55~59	20	15	5	60	49	11	3.2	5.3	1.2
60~64	18	17	1	78	67	11	3.7	6.5	1.0
65~69	46	34	12	114	85	29	4.8	7.4	2.3
70~74	49	37	12	107	82	25	5.6	9.2	2.4
75~79	51	37	14	166	118	48	10.6	17.0	5.5
80~84	62	51	11	195	141	54	15.8	28.4	7.3
85~89	78	50	28	225	137	88	29.0	52.1	17.1
90~	61	23	38	196	89	107	42.6	84.0	30.2

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

Population: as of 1st Oct. 2015

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

	Mar.		Summation (Jan.-Mar.)		Notification rate (per 100,000)	
	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)
Total	1,268	473	3,727	1,404	11.7	4.4
Hokkaido	24	6	83	26	6.2	1.9
Aomori	10	6	36	16	11.0	4.9
Iwate	11	2	22	6	6.9	1.9
Miyagi	11	5	31	12	5.3	2.1
Akita	6	3	12	6	4.7	2.3
Yamagata	5	3	14	9	5.0	3.2
Fukushima	9	2	22	6	4.6	1.3
Ibaraki	27	13	77	30	10.6	4.1
Tochigi	17	8	54	20	10.9	4.1
Gunma	8	3	37	8	7.5	1.6
Saitama	73	33	217	89	12.0	4.9
Chiba	66	19	195	73	12.5	4.7
Tokyo	168	54	508	191	15.0	5.7
Kanagawa	87	29	246	82	10.8	3.6
Niigata	12	0	41	12	7.1	2.1
Toyama	10	2	32	7	12.0	2.6
Ishikawa	7	2	18	8	6.2	2.8
Fukui	4	2	22	10	11.2	5.1
Yamanashi	7	3	11	3	5.3	1.4
Nagano	10	4	35	17	6.7	3.2
Gifu	19	8	63	24	12.4	4.7
Shizuoka	33	9	89	31	9.6	3.4
Aichi	103	40	236	94	12.6	5.0
Mie	24	11	58	25	12.8	5.5
Shiga	4	1	25	6	7.1	1.7
Kyoto	28	12	89	42	13.6	6.4
Osaka	148	69	459	186	20.8	8.4
Hyogo	71	29	181	68	13.1	4.9
Nara	20	10	53	26	15.5	7.6
Wakayama	9	6	31	12	12.9	5.0
Tottori	5	0	16	5	11.2	3.5
Shimane	3	1	11	7	6.3	4.0
Okayama	18	5	59	18	12.3	3.7
Hiroshima	16	2	78	25	11.0	3.5
Yamaguchi	9	2	30	6	8.5	1.7
Tokushima	11	3	25	4	13.2	2.1
Kagawa	11	5	37	22	15.2	9.0
Ehime	15	6	37	11	10.7	3.2
Kochi	6	3	18	5	9.9	2.7
Fukuoka	70	22	158	54	12.4	4.2
Saga	8	7	24	14	11.5	6.7
Nagasaki	13	3	39	15	11.3	4.4
Kumamoto	16	6	59	20	13.2	4.5
Oita	4	2	28	9	9.6	3.1
Miyazaki	4	3	16	9	5.8	3.3
Kagoshima	11	1	36	12	8.7	2.9
Okinawa	17	8	59	23	16.5	6.4

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

Population: as of 1st Oct. 2015

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

	Mar.		Summation (Jan.-Mar.)		Notification Rate (per 100,000)	
	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)
Total	510	187	1,401	514	15.3	5.6
Sapporo City	7	1	26	5	5.3	1.0
Sendai City	6	3	18	8	6.7	3.0
Saitama City	19	10	54	24	17.0	7.6
Chiba City	18	4	38	16	15.6	6.6
Yokohama City	42	11	116	32	12.5	3.4
Kawasaki City	20	9	44	16	11.9	4.3
Sagamihara City	5	4	18	9	10.0	5.0
Niigata City	5	0	20	6	9.9	3.0
Shizuoka City	13	4	27	7	15.3	4.0
Hamamatsu City	8	3	18	7	9.0	3.5
Nagoya City	49	17	104	39	18.1	6.8
Kyoto City	19	7	55	23	14.9	6.2
Osaka City	69	34	221	80	32.8	11.9
Sakai City	10	6	26	14	12.4	6.7
Kobe City	28	9	80	31	20.8	8.1
Okayama City	5	2	19	7	10.7	4.0
Hiroshima City	5	1	26	11	8.7	3.7
Kitakyushu City	27	8	50	18	20.8	7.5
Fukuoka City	17	6	39	14	10.1	3.6
Kumamoto City	11	5	28	10	15.1	5.4
23-ku area of Tokyo	127	43	374	137	16.2	5.9

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

Population: as of 1st Oct. 2015

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

	Mar.			Summation (Jan.-Mar.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	542	268	274	1,529	759	770	0.4	0.3	0.5
0~4	32	13	19	82	41	41	11.7	13.7	10.3
5~9	4	1	3	15	5	10	-	-	-
10~14	8	5	3	16	6	10	3.2	2.0	5.0
15~19	8	5	3	26	17	9	0.8	0.9	0.8
20~24	26	9	17	76	42	34	0.8	0.8	0.8
25~29	35	16	19	86	43	43	0.7	0.6	0.8
30~34	33	15	18	89	42	47	0.9	0.8	0.9
35~39	35	10	25	98	39	59	0.8	0.5	1.1
40~44	33	18	15	107	47	60	0.8	0.6	1.1
45~49	38	18	20	123	56	67	0.8	0.6	1.1
50~54	37	25	12	109	58	51	0.8	0.6	1.2
55~59	38	18	20	105	45	60	0.7	0.4	1.2
60~64	37	15	22	116	57	59	0.7	0.4	1.4
65~69	58	30	28	143	74	69	0.5	0.4	0.7
70~74	42	26	16	109	61	48	0.4	0.3	0.5
75~79	34	24	10	93	57	36	0.2	0.2	0.3
80~84	26	12	14	77	39	38	0.2	0.1	0.2
85~89	13	6	7	38	18	20	0.1	0.1	0.1
90~	5	2	3	21	12	9	0.1	0.1	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

	Mar.	Summation (Jan.-Mar.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	542	1,529	0.41
Hokkaido	12	53	0.64
Aomori	24	50	1.39
Iwate	7	15	0.68
Miyagi	9	26	0.84
Akita	3	14	1.17
Yamagata	1	6	0.43
Fukushima	4	14	0.64
Ibaraki	18	34	0.44
Tochigi	1	5	0.09
Gunma	1	12	0.32
Saitama	29	82	0.38
Chiba	43	118	0.61
Tokyo	67	210	0.41
Kanagawa	36	93	0.38
Niigata	2	9	0.22
Toyama	2	10	0.31
Ishikawa	2	7	0.39
Fukui	0	7	0.32
Yamanashi	2	7	0.64
Nagano	9	25	0.71
Gifu	10	30	0.48
Shizuoka	15	29	0.33
Aichi	29	90	0.38
Mie	3	10	0.17
Shiga	4	19	0.76
Kyoto	18	48	0.54
Osaka	50	138	0.30
Hyogo	27	55	0.30
Nara	10	27	0.51
Wakayama	4	7	0.23
Tottori	0	1	0.06
Shimane	1	4	0.36
Okayama	14	40	0.68
Hiroshima	14	27	0.35
Yamaguchi	8	19	0.63
Tokushima	2	5	0.20
Kagawa	2	4	0.11
Ehime	3	12	0.32
Kochi	1	2	0.11
Fukuoka	20	54	0.34
Saga	1	5	0.21
Nagasaki	8	24	0.62
Kumamoto	1	5	0.08
Oita	8	17	0.61
Miyazaki	1	14	0.88
Kagoshima	5	11	0.31
Okinawa	11	35	0.59

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

	Mar.	Summation (Jan.-Mar.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	179	540	0.39
Sapporo City	6	25	0.96
Sendai City	4	11	0.61
Saitama City	3	11	0.20
Chiba City	6	12	0.32
Yokohama City	21	47	0.41
Kawasaki City	6	17	0.39
Sagamihara City	1	4	0.22
Niigata City	1	3	0.15
Shizuoka City	3	4	0.15
Hamamatsu City	3	5	0.28
Nagoya City	15	39	0.38
Kyoto City	10	35	0.64
Osaka City	21	58	0.26
Sakai City	4	11	0.42
Kobe City	9	26	0.33
Okayama City	9	27	1.42
Hiroshima City	4	10	0.38
Kitakyushu City	7	17	0.34
Fukuoka City	3	20	0.51
Kumamoto City	0	3	0.11
23-ku area of Tokyo	43	155	0.41

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