



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

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

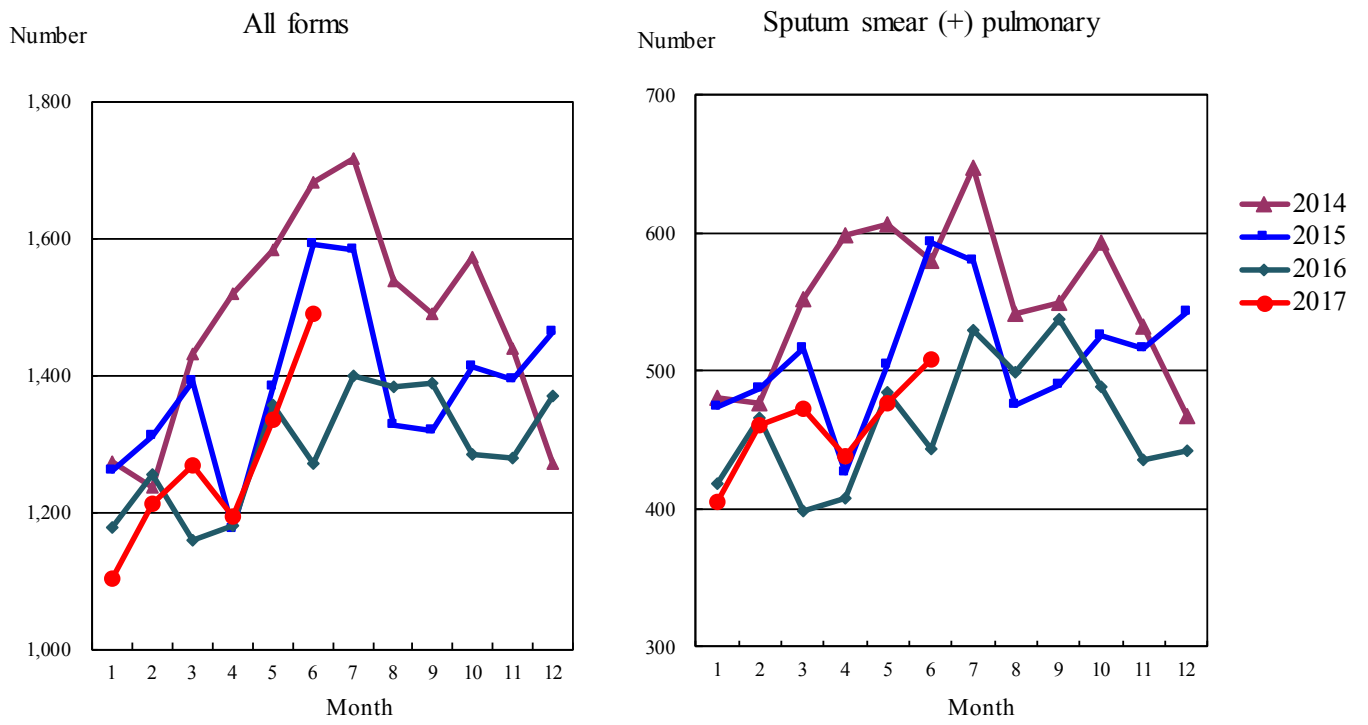


Figure 2. Newly notified TB patients by sex and age, Japan, summation (Jan.-Jun.) 2017

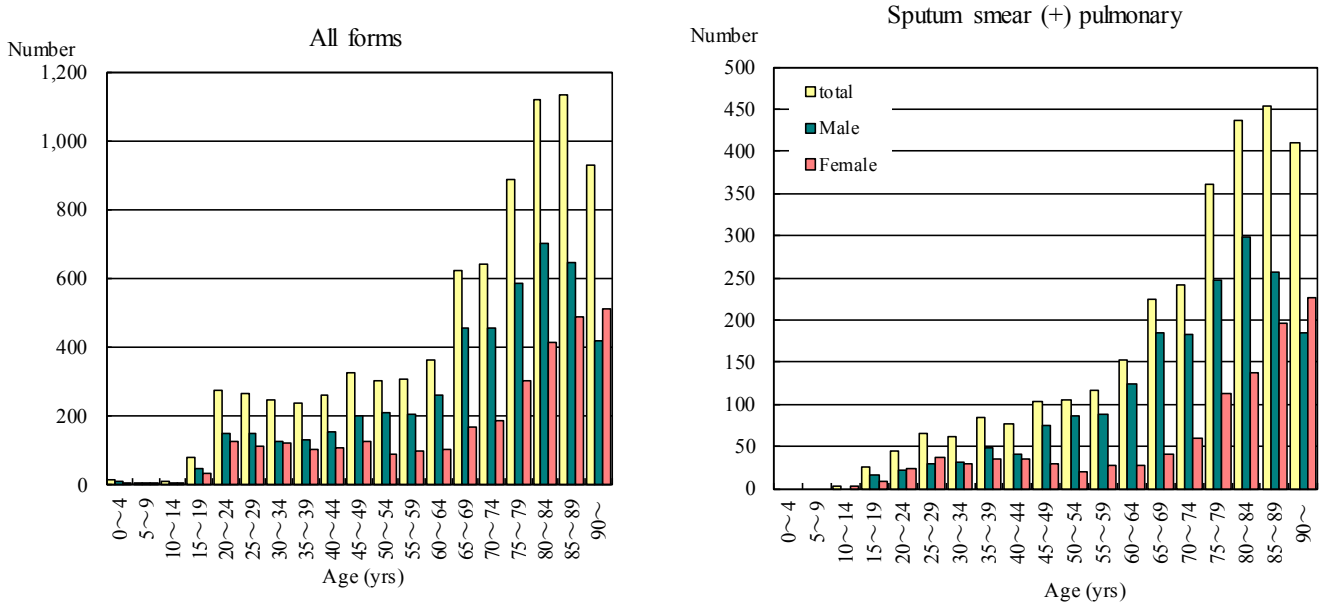


Figure 3. Notification rate of TB cases by sex and age, Japan, summation (Jan.-Jun.) 2017

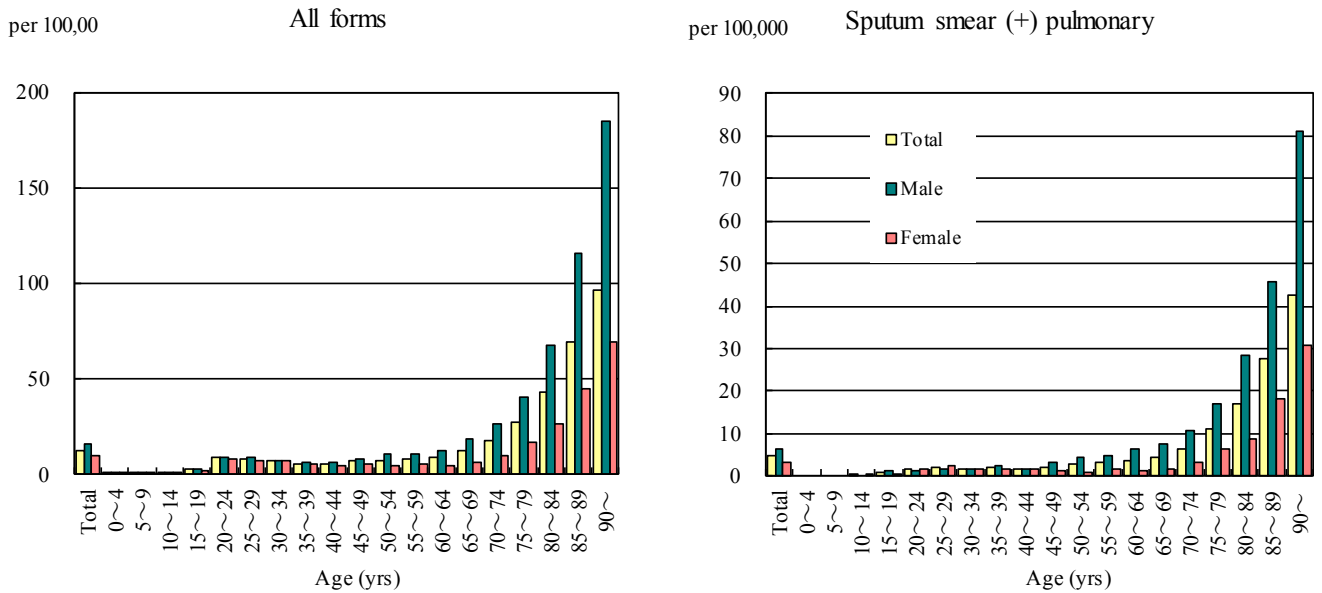


Figure 4. Notification rates of TB by prefecture, Japan, summation (Jan.-Jun.) 2017

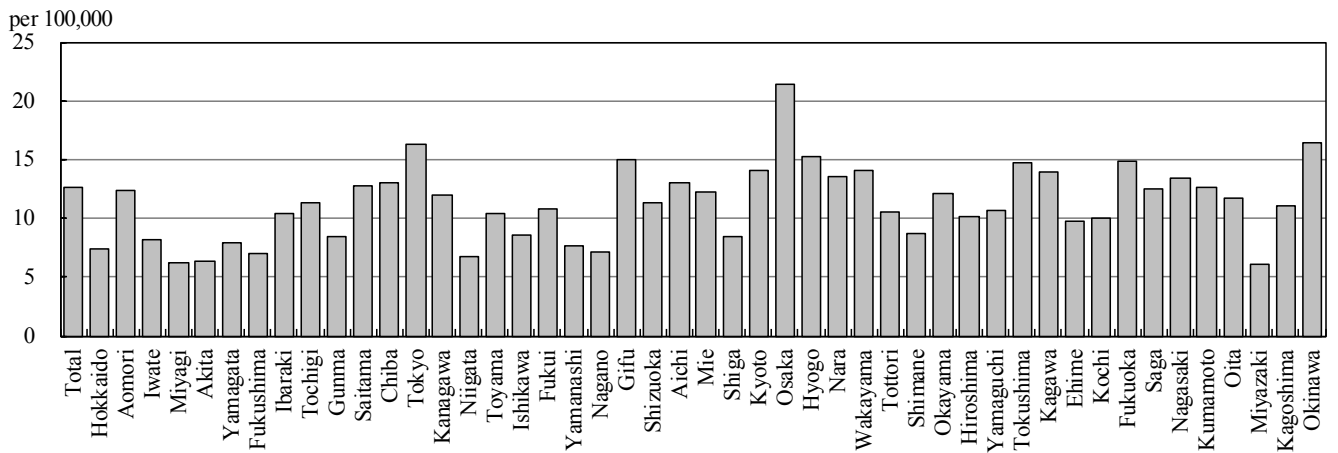


Figure 5. Notification rates of TB major city, Japan, summation (Jan.-Jun.) 2017

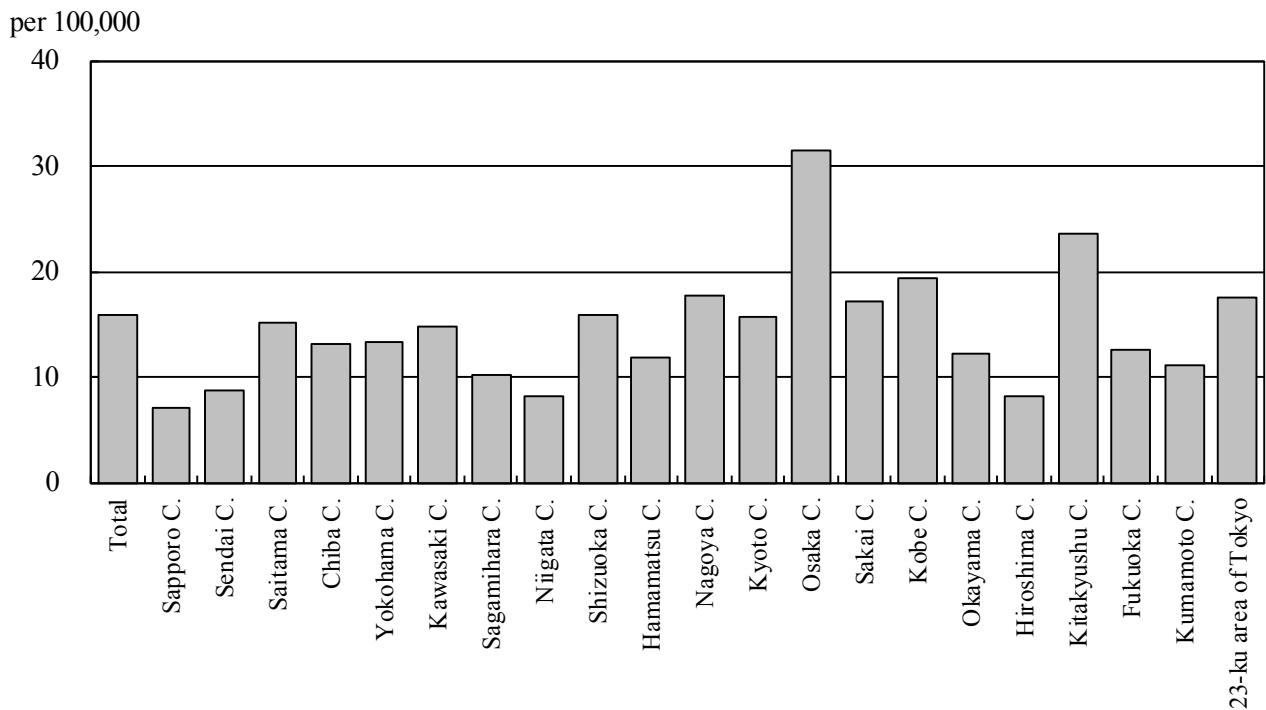


Figure 6. Number of LTBI, Japan, 2014-2017

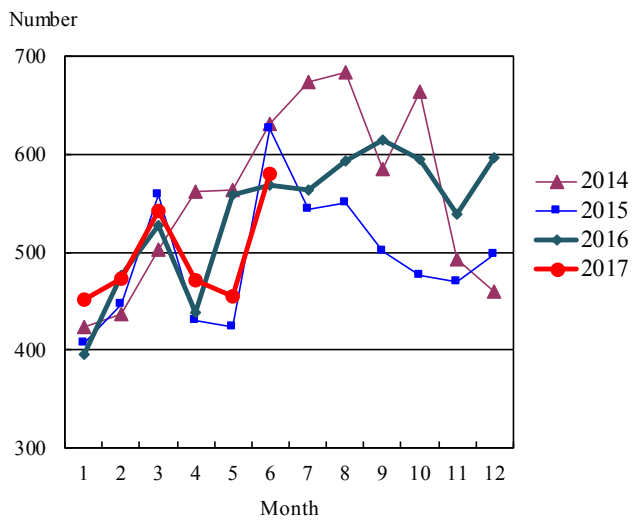


Figure 7. Number of LTBI by sex and age group, Japan, summation (Jan.-Jun.) 2017

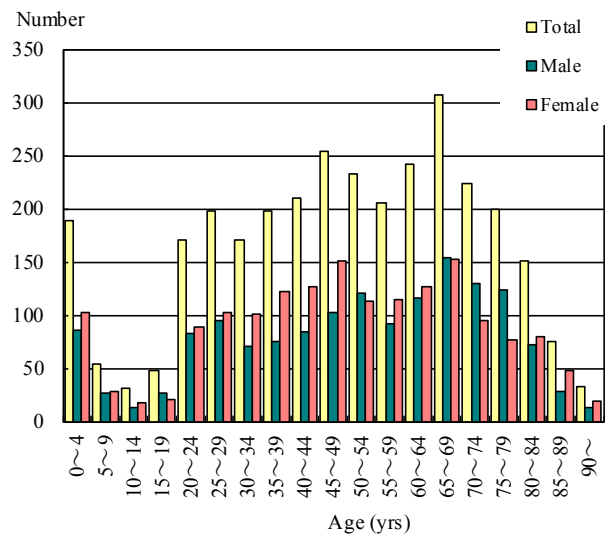


Table 1. Newly notified TB cases and rates by sex and age, Japan, 2017

	Jun.			Summation (Jan.-Jun.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	1,489	919	570	8,034	4,919	3,115	12.7	15.9	9.6
0~4	1	1	0	17	9	8	0.7	0.7	0.7
5~9	1	0	1	3	2	1	0.1	0.1	0.1
10~14	1	0	1	11	4	7	0.4	0.3	0.5
15~19	18	10	8	80	47	33	2.6	3.0	2.2
20~24	73	42	31	276	149	127	9.0	9.4	8.5
25~29	64	43	21	265	152	113	8.3	9.3	7.2
30~34	51	31	20	248	126	122	6.8	6.8	6.8
35~39	38	25	13	238	133	105	5.9	6.5	5.2
40~44	44	23	21	262	156	106	5.4	6.3	4.4
45~49	57	36	21	325	199	126	7.0	8.5	5.5
50~54	66	53	13	302	211	91	7.6	10.6	4.6
55~59	47	25	22	306	206	100	8.1	11.0	5.3
60~64	72	46	26	363	260	103	8.9	12.9	5.0
65~69	96	68	28	624	455	169	12.1	18.3	6.4
70~74	112	75	37	643	454	189	17.4	26.3	9.6
75~79	161	102	59	888	585	303	27.2	40.3	16.7
80~84	219	140	79	1,118	704	414	43.2	67.2	26.8
85~89	190	106	84	1,134	647	487	69.3	115.5	45.2
90~	178	93	85	931	420	511	96.6	185.0	69.4

Temporary registrants = 47, Total of registrants and temporary registrants = 1,536

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

	Jun.			Summation (Jan.-Jun.)			Notification rate (per 100,000)		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	508	311	197	2,968	1,914	1,054	4.7	6.2	3.2
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	2	0	2	0.1	0.0	0.1
15~19	7	6	1	26	17	9	0.9	1.1	0.6
20~24	12	6	6	45	21	24	1.5	1.3	1.6
25~29	14	8	6	66	29	37	2.1	1.8	2.4
30~34	13	7	6	62	32	30	1.7	1.7	1.7
35~39	14	6	8	85	49	36	2.1	2.4	1.8
40~44	12	5	7	76	40	36	1.6	1.6	1.5
45~49	20	13	7	103	74	29	2.2	3.2	1.3
50~54	18	16	2	106	86	20	2.7	4.3	1.0
55~59	15	8	7	116	88	28	3.1	4.7	1.5
60~64	25	18	7	153	125	28	3.7	6.2	1.4
65~69	36	28	8	225	184	41	4.4	7.4	1.5
70~74	33	24	9	242	182	60	6.5	10.5	3.0
75~79	54	34	20	360	247	113	11.0	17.0	6.2
80~84	93	61	32	436	299	137	16.8	28.5	8.9
85~89	69	34	35	454	257	197	27.7	45.9	18.3
90~	73	37	36	411	184	227	42.6	81.0	30.8

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

	Jun.		Summation (Jan.-Jun.)		Notification rate (per 100,000)	
	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)	Newly notified TB	Sputum smear (+)
Total	1,489	508	8,034	2,968	12.7	4.7
Hokkaido	39	12	197	68	7.4	2.5
Aomori	20	11	80	35	12.4	5.4
Iwate	14	4	52	15	8.2	2.4
Miyagi	11	4	73	24	6.3	2.1
Akita	11	5	32	14	6.3	2.8
Yamagata	14	5	44	22	7.9	4.0
Fukushima	10	4	67	28	7.0	2.9
Ibaraki	33	12	152	54	10.5	3.7
Tochigi	19	8	111	49	11.3	5.0
Gunma	16	8	83	27	8.4	2.7
Saitama	83	31	463	200	12.7	5.5
Chiba	83	29	405	141	13.0	4.5
Tokyo	206	63	1,109	385	16.3	5.7
Kanagawa	101	39	546	197	11.9	4.3
Niigata	14	6	77	27	6.7	2.4
Toyama	6	1	55	11	10.4	2.1
Ishikawa	7	1	49	19	8.5	3.3
Fukui	7	1	42	18	10.7	4.6
Yamanashi	4	2	32	12	7.7	2.9
Nagano	13	5	74	28	7.1	2.7
Gifu	23	8	152	50	15.0	4.9
Shizuoka	47	13	208	72	11.3	3.9
Aichi	72	17	489	163	13.0	4.3
Mie	19	9	111	42	12.3	4.6
Shiga	14	3	60	16	8.5	2.3
Kyoto	36	16	183	81	14.0	6.2
Osaka	178	66	944	383	21.4	8.7
Hyogo	70	26	421	156	15.3	5.7
Nara	14	4	92	40	13.6	5.9
Wakayama	19	6	67	27	14.0	5.7
Tottori	4	0	30	9	10.5	3.2
Shimane	5	3	30	14	8.7	4.1
Okayama	23	10	116	45	12.1	4.7
Hiroshima	30	9	143	44	10.1	3.1
Yamaguchi	19	7	74	20	10.6	2.9
Tokushima	8	2	55	15	14.7	4.0
Kagawa	11	4	68	33	14.0	6.8
Ehime	5	1	67	22	9.7	3.2
Kochi	7	3	36	11	10.0	3.1
Fukuoka	74	24	379	141	14.8	5.5
Saga	16	5	52	26	12.6	6.3
Nagasaki	20	5	92	35	13.5	5.1
Kumamoto	10	3	112	40	12.6	4.5
Oita	13	4	68	24	11.7	4.1
Miyazaki	3	1	33	18	6.0	3.3
Kagoshima	21	5	91	25	11.1	3.1
Okinawa	17	3	118	42	16.4	5.8

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

	Jun.		Summation (Jan.-Jun.)		Notification Rate (per 100,000)	
	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)	Newly notified TB	Sputum Smear(+)
Total	543	185	2,937	1,073	15.9	5.8
Sapporo City	17	4	69	18	7.0	1.8
Sendai City	9	4	47	16	8.7	3.0
Saitama City	21	4	97	39	15.2	6.1
Chiba City	8	2	64	26	13.1	5.3
Yokohama City	36	12	248	83	13.3	4.4
Kawasaki City	23	12	110	45	14.8	6.0
Sagamihara City	9	6	37	18	10.3	5.0
Niigata City	7	1	33	10	8.2	2.5
Shizuoka City	11	2	56	18	15.8	5.1
Hamamatsu City	13	3	47	16	11.8	4.0
Nagoya City	29	11	204	71	17.7	6.2
Kyoto City	22	10	116	53	15.7	7.2
Osaka City	71	25	425	164	31.5	12.1
Sakai City	22	8	72	32	17.2	7.6
Kobe City	25	15	148	59	19.3	7.7
Okayama City	10	3	43	16	12.1	4.5
Hiroshima City	9	3	49	19	8.2	3.2
Kitakyushu City	20	8	113	44	23.6	9.2
Fukuoka City	18	5	98	39	12.6	5.0
Kumamoto City	4	1	41	14	11.1	3.8
23-ku area of Tokyo	159	46	820	273	17.5	5.8

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

	Jun.			Summation (Jan.-Jun.)			(Ratio) LTBI/Newly notified cases		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	580	278	302	3,189	1,507	1,682	0.4	0.3	0.5
0~4	37	16	21	188	86	102	11.1	9.6	12.8
5~9	14	9	5	54	26	28	18.0	13.0	28.0
10~14	7	3	4	31	13	18	2.8	3.3	2.6
15~19	3	1	2	47	27	20	0.6	0.6	0.6
20~24	29	13	16	171	83	88	0.6	0.6	0.7
25~29	45	23	22	197	94	103	0.7	0.6	0.9
30~34	25	10	15	171	70	101	0.7	0.6	0.8
35~39	43	16	27	197	75	122	0.8	0.6	1.2
40~44	32	11	21	210	84	126	0.8	0.5	1.2
45~49	41	15	26	254	103	151	0.8	0.5	1.2
50~54	44	24	20	233	120	113	0.8	0.6	1.2
55~59	43	25	18	205	91	114	0.7	0.4	1.1
60~64	31	14	17	242	116	126	0.7	0.4	1.2
65~69	54	26	28	307	154	153	0.5	0.3	0.9
70~74	45	26	19	224	129	95	0.3	0.3	0.5
75~79	42	25	17	200	123	77	0.2	0.2	0.3
80~84	29	15	14	151	72	79	0.1	0.1	0.2
85~89	10	5	5	75	28	47	0.1	0.0	0.1
90~	6	1	5	32	13	19	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

	Jun.	Summation (Jan.-Jun.)	
	LTBI	LTBI	(Ratio) LTBI /new TB
Total	580	3,189	0.40
Hokkaido	12	100	0.51
Aomori	6	69	0.86
Iwate	8	38	0.73
Miyagi	26	64	0.88
Akita	1	22	0.69
Yamagata	0	9	0.20
Fukushima	3	25	0.37
Ibaraki	11	72	0.47
Tochigi	2	21	0.19
Gunma	6	28	0.34
Saitama	45	185	0.40
Chiba	36	221	0.55
Tokyo	67	415	0.37
Kanagawa	46	213	0.39
Niigata	1	27	0.35
Toyama	5	29	0.53
Ishikawa	1	15	0.31
Fukui	2	14	0.33
Yamanashi	2	11	0.34
Nagano	11	68	0.92
Gifu	10	63	0.41
Shizuoka	12	66	0.32
Aichi	28	183	0.37
Mie	7	28	0.25
Shiga	6	41	0.68
Kyoto	11	87	0.48
Osaka	62	278	0.29
Hyogo	24	132	0.31
Nara	5	51	0.55
Wakayama	3	22	0.33
Tottori	0	4	0.13
Shimane	1	23	0.77
Okayama	14	74	0.64
Hiroshima	13	50	0.35
Yamaguchi	7	32	0.43
Tokushima	2	12	0.22
Kagawa	0	9	0.13
Ehime	6	24	0.36
Kochi	0	3	0.08
Fukuoka	32	125	0.33
Saga	5	13	0.25
Nagasaki	9	51	0.55
Kumamoto	5	17	0.15
Oita	7	39	0.57
Miyazaki	0	18	0.55
Kagoshima	12	32	0.35
Okinawa	8	66	0.56

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

	Jun.	Summation (Jan.-Jun.)	
	LTBI	LTBI	(Ratio) LTBI / new TB
Total	192	1,071	0.36
Sapporo City	3	42	0.61
Sendai City	24	43	0.91
Saitama City	5	23	0.24
Chiba City	2	23	0.36
Yokohama City	13	89	0.36
Kawasaki City	11	39	0.35
Sagamihara City	4	11	0.30
Niigata City	0	11	0.33
Shizuoka City	1	12	0.21
Hamamatsu City	3	13	0.28
Nagoya City	8	67	0.33
Kyoto City	8	65	0.56
Osaka City	22	114	0.27
Sakai City	5	24	0.33
Kobe City	6	45	0.30
Okayama City	9	51	1.19
Hiroshima City	1	17	0.35
Kitakyushu City	10	39	0.35
Fukuoka City	7	35	0.36
Kumamoto City	2	6	0.15
23-ku area of Tokyo	48	302	0.37

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