

Appendix Table 1. All variables in each prefecture.

Prefecture	Positive number	RT-PCR testing	Deaths	population (100,000)	Chinese visitors per 100,000	Physicians per 100,000	Available beds for type 2 infection	Nurses per 100,000	Positive number per 100,000	RT-PCR testing per 100,000	Cluster infection	US Force Japan facility
Hokkaido	194	2445	9	53	16,696	243.1	92	1,219.4	3.7	46.3	2	1
Aomori	11	233	0	13	1,926	203.3	28	1,033.1	0.9	18.4	0	4
Iwate	0	86	0	12	299	201.7	36	1,098.9	0.0	6.9	0	0
Miyagi	26	514	0	23	762	238.4	27	867.3	1.1	22.2	1	0
Akita	11	419	0	10	733	234.0	30	1,153.0	1.1	42.7	0	0
Yamagata	13	434	0	11	501	226.0	16	1,076.2	1.2	39.8	0	0
Fukushima	16	328	0	19	402	204.9	34	920.7	0.9	17.6	0	0
Ibaraki	71	1806	2	29	478	187.5	46	765.5	2.5	62.8	2	0
Tochigi	14	759	0	19	1,685	226.1	30	846.8	0.7	39.0	0	0
Gunma	26	1361	1	20	492	228.3	50	974.5	1.3	69.7	2	0
Saitama	195	1647	4	73	449	169.8	66	693.6	2.7	22.5	0	3

Chiba	253	1297	1	63	5,658	194.1	55	722.7	4.0	20.7	2	1
Tokyo	1,123	4422	16	138	18,332	307.5	106	792.3	8.1	32.0	4	6
Kanagawa	261	1799	6	92	5,946	212.4	72	738.4	2.8	19.6	2	11
Niigata	32	1345	0	22	765	197.9	34	1,010.8	1.4	59.9	1	0
Toyama	11	381	0	11	2,958	254.4	20	1,211.1	1.0	36.3	0	0
Ishikawa	45	384	0	11	2,296	284.1	18	1,278.7	3.9	33.6	0	0
Fukui	57	335	2	8	1,072	252.6	18	1,161.8	7.4	43.3	0	0
Yamanashi	14	749	0	8	46,852	239.2	28	1,006.5	1.7	91.7	0	0
Nagano	14	736	0	21	2,781	233.1	44	1,083.3	0.7	35.7	0	0
Gifu	51	966	1	20	4,024	215.1	28	848.8	2.6	48.4	1	0
Shizuoka	10	1203	0	37	15,453	210.2	46	900.1	0.3	32.9	0	2
Aichi	237	3236	21	75	7,430	212.9	68	814.5	3.1	42.9	2	0
Mie	13	759	0	18	1,360	223.4	22	945.3	0.7	42.4	0	0
Shiga	18	334	0	14	980	227.6	32	999.0	1.3	23.7	0	0
Kyoto	119	1472	0	26	63,231	323.3	36	1,089.8	4.6	56.8	1	1
Osaka	429	1751	3	88	21,039	277.0	72	942.0	4.9	19.9	1	0
Hyogo	201	3054	12	55	2,750	252.2	46	996.7	3.7	55.7	4	0

Nara	26	374	0	13	39,029	258.5	22	964.7	1.9	27.9	0	0
Wakayama	27	1642	1	9	2,900	302.1	30	1,154.5	2.9	175.6	0	0
Tottori	0	242	0	6	1,185	304.8	10	1,282.1	0.0	43.2	0	0
Shimane	0	166	0	7	553	286.3	28	1,289.6	0.0	24.4	0	0
Okayama	11	479	0	19	1,147	308.2	24	1,239.4	0.6	25.2	0	0
Hiroshima	16	1348	0	28	966	258.6	28	1,102.1	0.6	47.9	0	5
Yamaguchi	12	449	0	14	517	252.9	38	1,263.6	0.9	32.8	0	2
Tokushima	3	174	0	7	1,186	329.5	21	1,235.2	0.4	23.6	0	0
Kagawa	2	371	0	10	3,006	282.5	22	1,195.5	0.2	38.6	0	0
Ehime	14	407	1	14	698	269.2	26	1,245.5	1.0	30.1	0	0
Kochi	34	565	0	7	944	316.9	9	1,511.0	4.8	80.0	0	0
Fukuoka	113	2415	0	51	2,655	302.6	64	1,189.2	2.2	47.3	0	1
Saga	8	223	0	8	2,771	280.0	22	1,335.4	1.0	27.2	0	0
Nagasaki	9	665	0	13	3,398	306.3	36	1,319.2	0.7	49.6	0	10
Kumamoto	20	1420	0	18	2,826	289.8	46	1,309.7	1.1	80.8	0	0
Oita	32	1843	0	11	8,164	275.2	38	1,276.2	2.8	161.1	1	0
Miyazaki	7	425	0	11	760	246.6	30	1,298.1	0.6	39.3	0	0

Kagoshima	3	414	0	16	1,588	270.8	44	1,394.3	0.2	25.7	0	0
Okinawa	15	480	0	14	44,865	240.7	20	1,060.6	1.0	33.1	0	31
Total	3817	48357	80	1264			1758		3.0	38.2	26	78

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Appendix Table 2. Demographic characteristics of each variable

	Variables	Median (interquartile range [IQR])
1	Death*	0 (0-1)
2	Positives **	16 (11-54)
3	Number of RT-PCR testing**	665 (382.5-1446)
4	Available beds for type 2 infection	30 (23-46)
5	Population (100,000)	16.14 (10.86-27.04)
6	Number of physicians per 100,000 population	252.2 (224.7-283.3)
7	Number of nurses per 100,000 population	1089.8 (943.65-1242.45)
8	Chinese visitors to Japan per 100,000 population	1925.7 (763.4-4840.7)
9	Number of positives per 100,000 population*	1.138 (0.70-2.82)
10	Number of RT-PCR testing per 100,000 population*	38.6 (25.4-48.1)
11	Number of US Force Japan facilities	0 (0-1)
12	Number of clusters	0 (0-1)

* Number of cases reported by prefecture in Japan (as of 12:00 on March 15, 2020).

Excluding charter flights and cruise ship patients.

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6 ** Number of new coronavirus-positive persons and number of persons performing PCR
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8 testing (does this mean lab technicians, i.e. people running the tests?) (by prefecture)
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10 (published on March 15, 2020). This is excluding those returning from charter flights.
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