



Figure S1. Map of Japan.

Japan consists of 47 prefectures. The prefectures in the eastern region of Japan were investigated. The ten prefectures colored in red were included in this study (Aomori, Akita, Yamagata, Miyagi, Fukushima, Niigata, Tochigi, Gunma, Ibaraki, and Yamanashi). The five prefectures colored in blue were excluded because detailed information on the initial symptoms was not publicly available for most cases. As of May 16, 2020, no COVID-19 patients were reported in Iwate prefecture (in green).

Table S1. Web address of the publicly available data for each prefecture.

Prefecture	Web address^a
Aomori	https://www.pref.aomori.lg.jp/welfare/health/wuhan-novel-coronavirus2020.html
Akita	https://www.pref.akita.lg.jp/pages/archive/47957
Yamagata	https://www.pref.yamagata.jp/kenfuku/kenko/kansen/720130425shingata_corona.html
Miyagi	https://www.pref.miyagi.jp/site/covid-19/02.html
Fukushima	https://www.pref.fukushima.lg.jp/sec/21045c/fukushima-hasseyoukyou.html
Niigata	https://www.pref.niigata.lg.jp/site/shingata-corona/256362836.html
Gunma	https://www.pref.gunma.jp/07/z87g_00016.html
Tochigi	http://www.pref.tochigi.lg.jp/e04/welfare/hoken-eisei/kansen/hp/coronakensahasseyoukyou.html
Ibaraki	https://www.pref.ibaraki.jp/1saigai/2019-ncov/hassei.html
Yamanashi	https://www.pref.yamanashi.jp/koucho/coronavirus/info_coronavirus_prevention.html

^aLast accessed on 31 July, 2020.

Table S2. The number of the COVID-19 patients included in the study from each prefecture.

Prefecture	Total number of patients	The number of excluded patients^a	The number of included patients
Aomori	27	5	22
Akita	16	0	16
Yamagata	69	1	68
Miyagi	88	3	85
Fukushima	81	2	79
Niigata	82	2	79
Gunma	147	68	79
Tochigi	60	0	60
Ibaraki	168	6	162
Yamanashi	57	0	57

^aThese patients were excluded because detailed information on the initial symptoms was not available in the reports from the prefectures.

Table S3. Demographic features of the symptomatic and asymptomatic COVID-19 patients.

	Asymptomatic (n = 79)	Symptomatic (n = 628)
Age, n (%)		
0 to 19 years old	12 (15.2)	33 (5.3)
20 to 59 years old	42 (53.2)	424 (67.5)
60 years old and older	25 (31.6)	171 (27.2)
Female sex, n (%)	53 (67.1)	291 (46.3)
Median days to diagnosis from onset (IQR)	NA	6 (4 to 9)

COVID-19, coronavirus disease 2019; IQR, interquartile range; NA, not applicable.