

## Abstract

## Weekly report on the COVID-19 situation in the Republic of Korea (As of May 16, 2020)

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This is a weekly report on the COVID-19 situation in the Republic of Korea based on the confirmed cases reported through the Integrated System to Korea Centers for Disease Control and Prevention according to the INFECTIOUS DISEASE CONTROL AND PREVENTION ACT and based on the epidemiological investigation by central and local health authorities.

As of May 16, 2020, there were 11,057 confirmed cases of COVID-19, and including 262 deaths. Confirmed cases were reported in all 17 provinces/cities in Korea, with the highest number of cases from Daegu, Gyeongbuk, Seoul, and Gyeonggi. The results indicated that, by gender, women accounted for a slightly higher proportion (58.8%, n=6,504) of total confirmed cases than men. And, by age the median age was 43 years old (range: 0 to 104 years old).

The main infectious paths confirmed by epidemiological investigations showed several major clusters related to COVID-19. Of the total cases, the proportion of imported cases was 10.6% (n=1,172); 47.1% (n=5,212) were Shincheonji (and related); 33.6% (n=3,711) are small clusters and contacts of confirmed cases (other than Shincheonji); and 8.7% (n=962) are currently under investigation as per infection route surveys.

**Keywords:** 2019 Novel Coronavirus (2019-nCoV), Coronavirus Disease-19 (COVID-19), Outbreaks, Epidemiological monitoring

Table 1. The number of confirmed cases and incidence rate by region

Region	Reported cases				
	Confirmed cases (n)	(%)	Newly confirmed cases in 16th week (of 2020)	Incidence rate (per 0.1M)*	Deaths (n)
Seoul	735 (6.6)		58	7.6	4
Busan	144 (1.3)		3	4.2	3
Daegu	6,870 (62.1)		9	282.0	181
Incheon	124 (1.1)		20	4.2	–
Gwangju	30 (0.3)		–	2.1	–
Daejeon	44 (0.4)		3	3.0	1
Ulsan	47 (0.4)		3	4.1	1
Sejong	47 (0.4)		–	13.7	–
Gyeonggi	722 (6.5)		24	5.4	16
Gangwon	55 (0.5)		2	3.6	2
Chungbuk	58 (0.5)		9	3.6	–
Chungnam	144 (1.3)		1	6.8	–
Jeonbuk	20 (0.2)		1	1.1	–
Jeonnam	18 (0.2)		2	1.0	–
Gyeongbuk	1,368 (12.4)		2	51.4	54
Gyeongnam	121 (1.1)		4	3.6	–
JeJu	14 (0.1)		–	2.1	–
Airport Screening**	496 (4.5)		19	–	–
<b>Total</b>	<b>11,057 (100.0)</b>		<b>160</b>	<b>21.3</b>	<b>262</b>

\* The rate of the number of confirmed cases reported by healthcare institutions in the area per 100,000 residents based on the number of residents registered by the Ministry of Interior and Safety

\*\* Cases reported during the quarantine process in Incheon Airport and the Gimhae National Quarantine Station, etc.

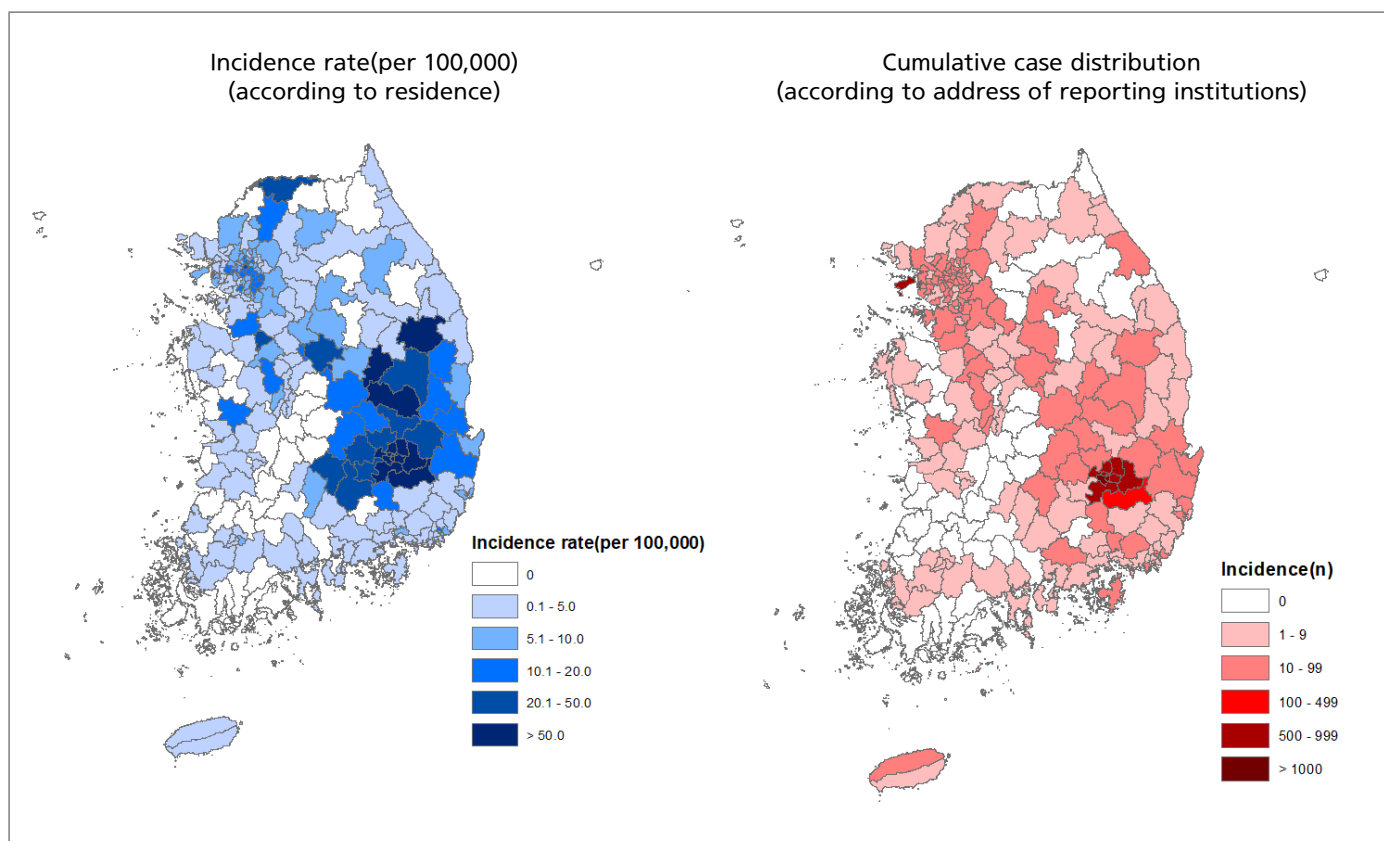


Figure 1. Confirmed cases distribution by region (city, county, district)

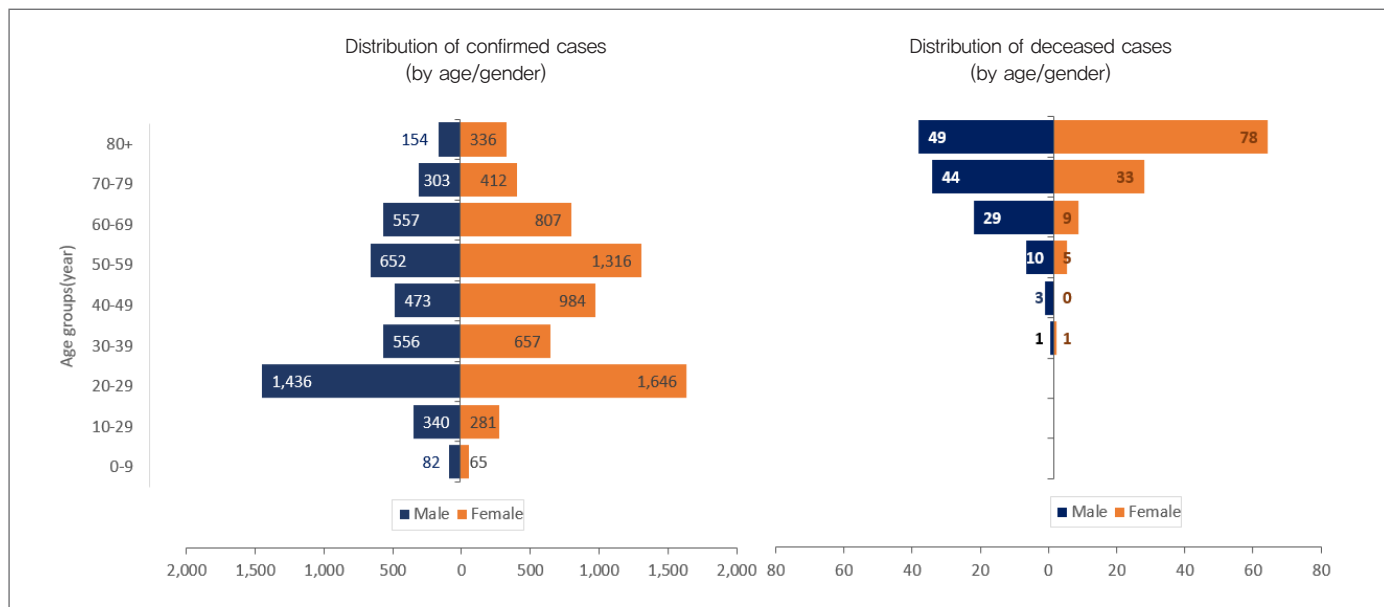


Figure 2. The distribution of confirmed/deceased cases by age/gender

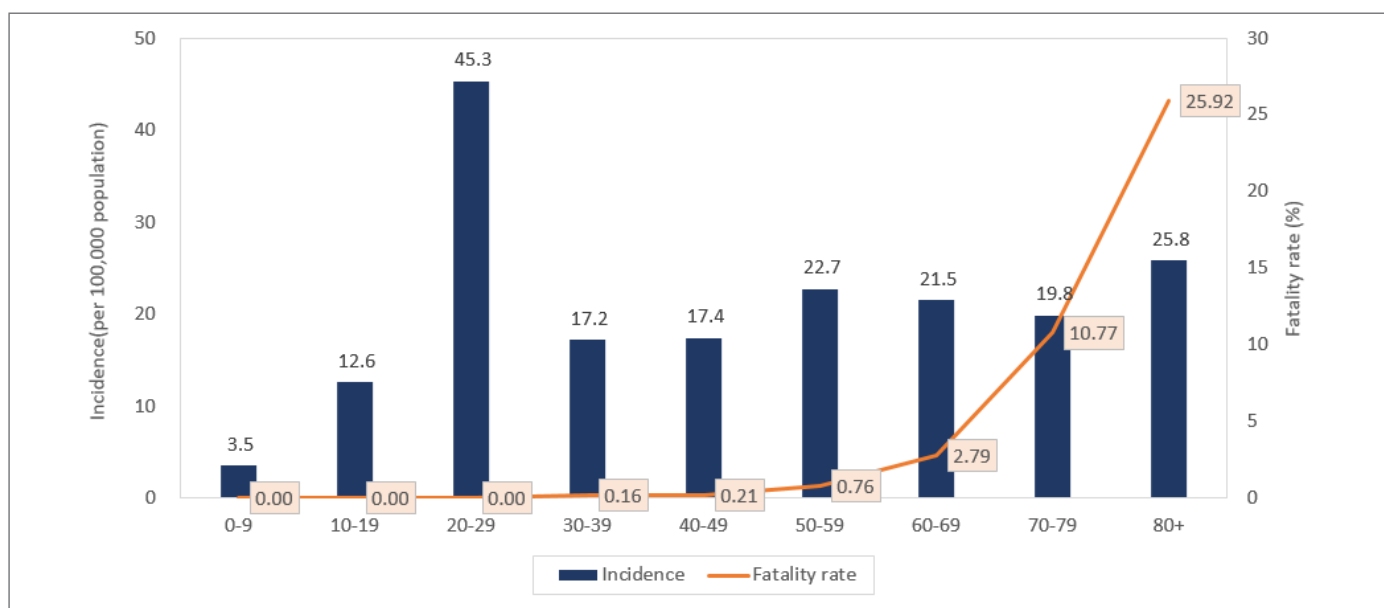


Figure 3. The distribution of incident rate and case fatality rate by age

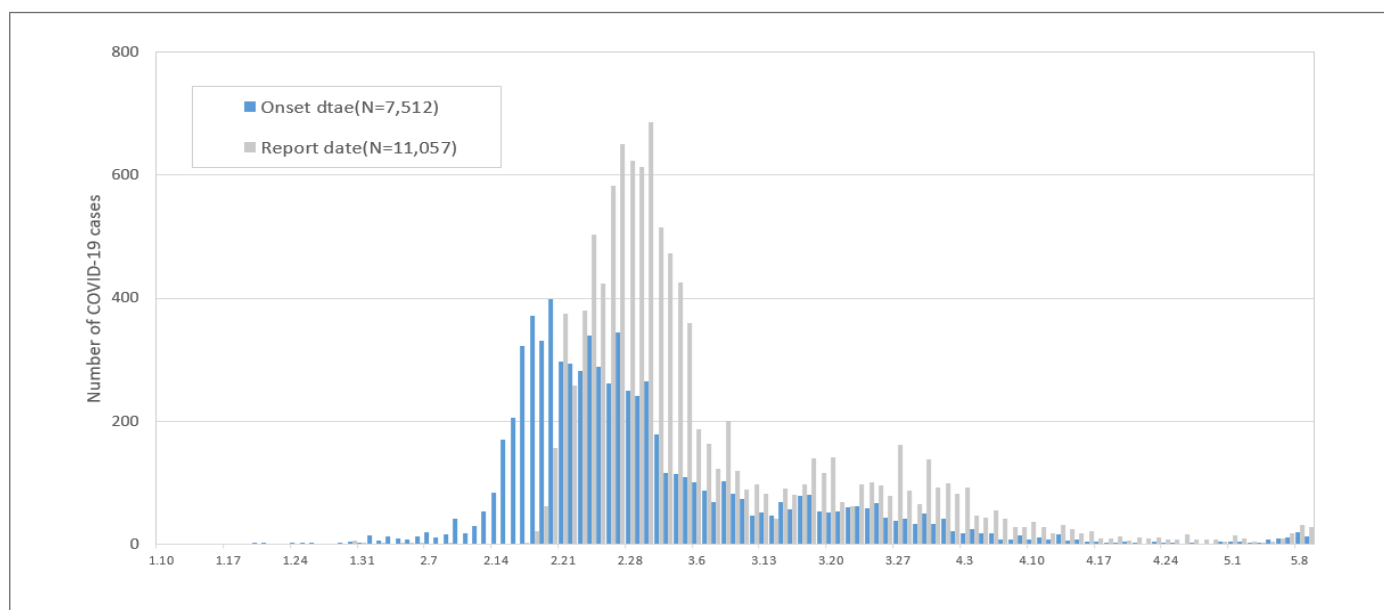


Figure 4. The reported dates and symptom onset dates of COVID-19 confirmed cases (Based on reported data)

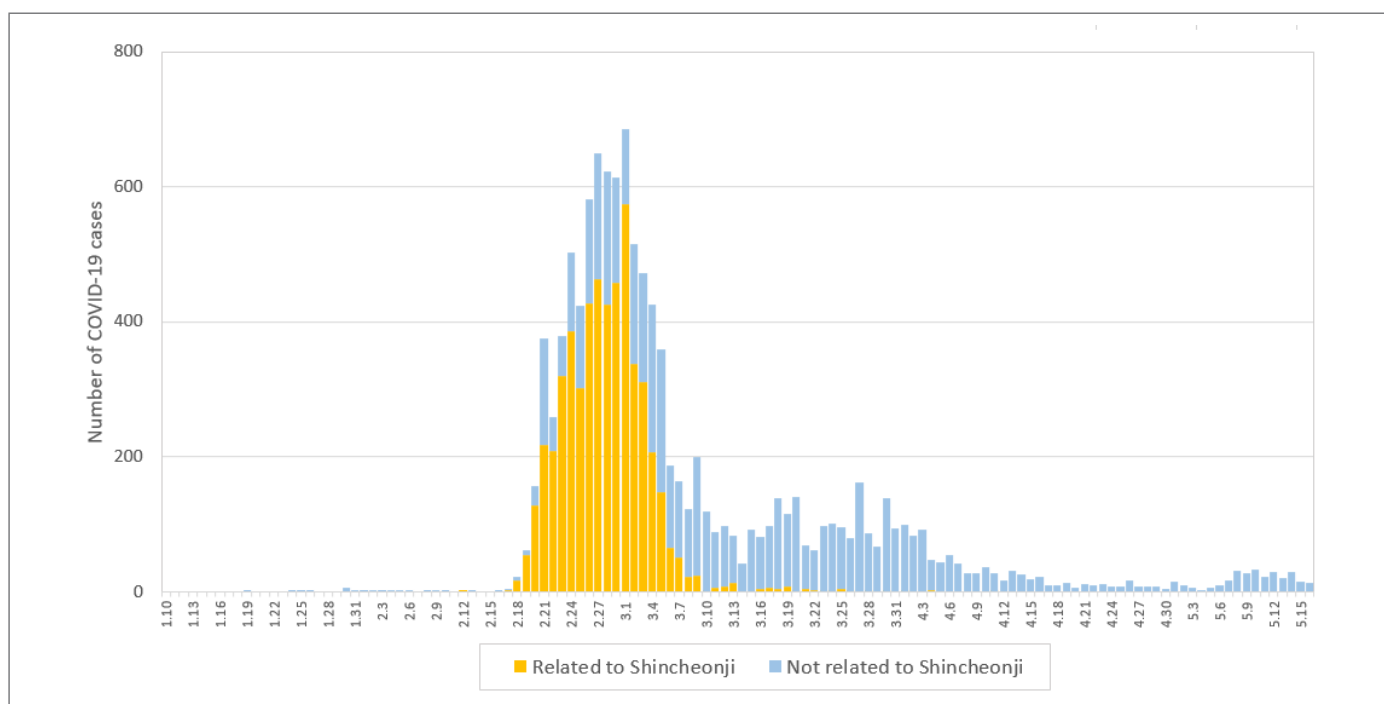


Figure 5. The reported dates of Shincheonji and non-Shincheonji COVID-19 confirmed cases (Based on reported data)

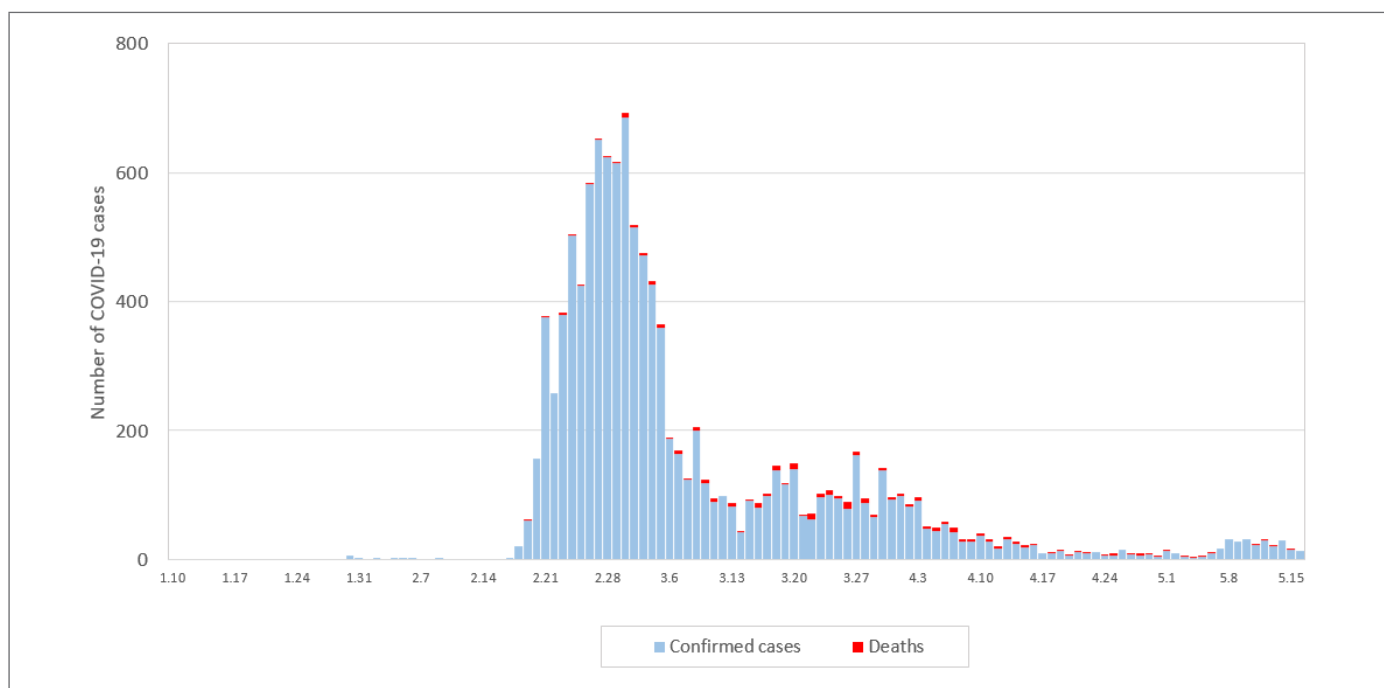


Figure 6. The reported/deceased dates of COVID-19 confirmed cases (Based on reported data)

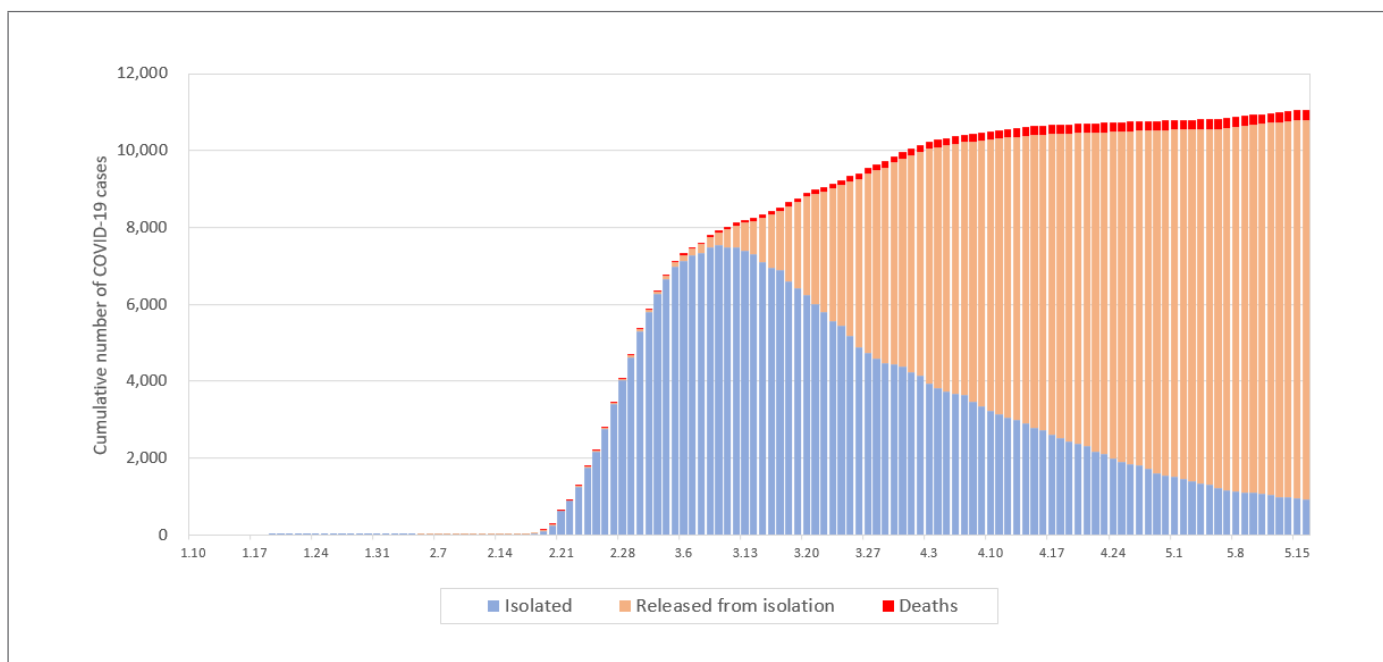


Figure 7. Total confirmed cases and case status

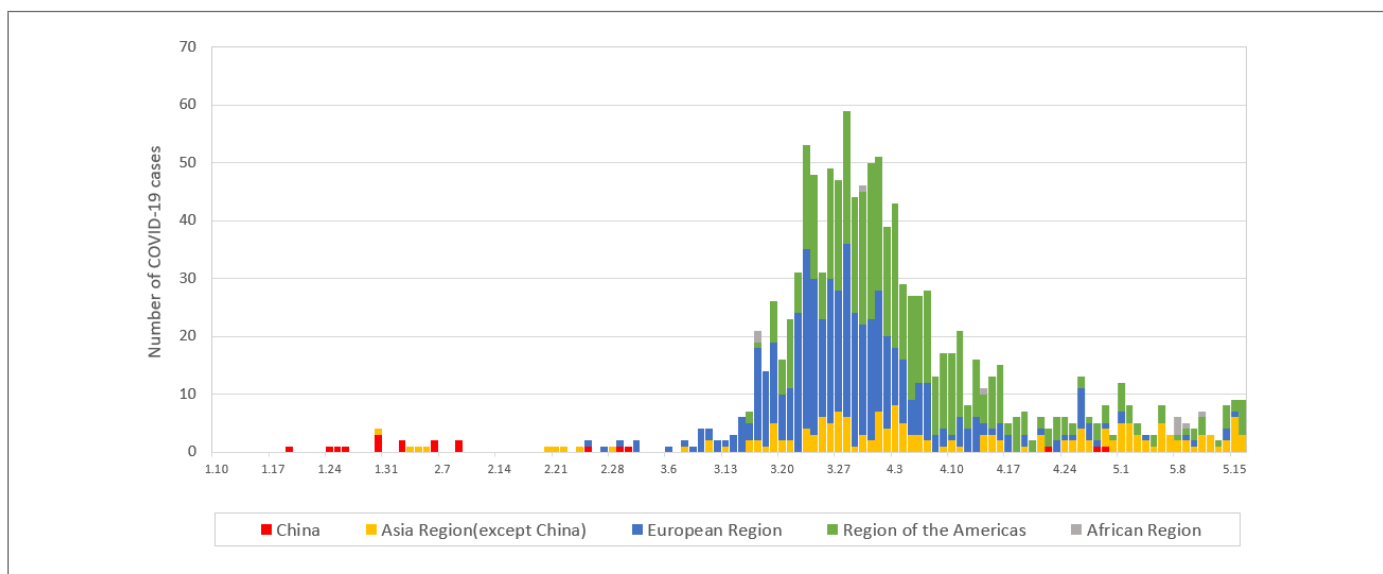


Figure 8. Daily trend of imported cases

Table 2. Regional distribution and epidemiological links of the confirmed cases

Region*	Total	Imported cases	Shincheonji cases (and related)	Small cluster/contacts of confirmed case	Under investigation
Seoul	735	261	8	450	16
Busan	144	27	12	86	19
Daegu	6,870	25	4,510	1,613	722
Incheon	124	47	2	71	4
Gwangju	30	14	9	7	–
Daejeon	44	13	2	25	4
Ulsan	47	16	16	13	2
Sejong	47	4	1	41	1
Gyeonggi	722	176	29	485	32
Gangwon	55	15	17	19	4
Chungbuk	58	7	6	36	9
Chungnam	144	13	–	124	7
Jeonbuk	20	10	1	8	1
Jeonnam	18	10	1	5	2
Gyeongbuk	1,368	13	566	661	128
Gyeongnam	121	17	32	61	11
JeJu	14	8	–	6	–
Airport Screening**	496	496	–	0	–
<b>Total</b>	<b>11,057</b> <b>(100.0%)</b>	<b>1,172</b> <b>(10.6%)</b>	<b>5,212</b> <b>(47.1%)</b>	<b>3,711</b> <b>(33.6%)</b>	<b>962</b> <b>(8.7%)</b>

\* Based on reported data of patients, etc. via the Integrated System in Korea Centers for Disease Control and Prevention by a healthcare institution. The table may be different from the statistics of the address of patients, etc. The data may change due to delays in report and/or new findings of epidemiological investigation

\*\* Cases reported during the quarantine process in Incheon Airport and the Gimhae National Quarantine Station, etc.