

## Abstract

## Weekly report on the COVID-19 situation in the Republic of Korea (As of May 30, 2020)

Kim Miyoung, Kweon Sanghui, Kim Yeonju, Kim Younghwa, Yeom Hansol, Choi So Young, Hwang Insob, Yoo Hyosoon, Park Young Joon, Gwak Jin, Park Ok

COVID-19 National Emergency Response Center, Epidemiology Center, Epidemiology and Case management team

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 30, 2020, there were 11,478 confirmed cases of COVID-19, and including 270 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 (58.2%, n=6,677) 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 11.0% (n=1,260); 45.4% (n=5,213) were Shincheonji (and related); 35.0% (n=4,013) are small clusters and contacts of confirmed cases (other than Shincheonji); and 8.6% (n=992) 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 22nd week (of 2020)	Incidence rate (per 0.1M)*	Deaths (n)
Seoul	861 (7.5)		87	8.8	4
Busan	147 (1.3)		3	4.3	3
Daegu	6,883 (60.0)		9	282.5	185
Incheon	207 (1.8)		63	7.0	–
Gwangju	32 (0.3)		2	2.2	–
Daejeon	46 (0.4)		1	3.1	1
Ulsan	52 (0.5)		2	4.5	1
Sejong	47 (0.4)		0	13.7	–
Gyeonggi	848 (7.4)		83	6.4	19
Gangwon	57 (0.5)		1	3.7	3
Chungbuk	60 (0.5)		0	3.8	–
Chungnam	146 (1.3)		1	6.9	–
Jeonbuk	21 (0.2)		0	1.2	–
Jeonnam	20 (0.2)		2	1.1	–
Gyeongbuk	1,379 (12.0)		2	51.8	54
Gyeongnam	123 (1.1)		0	3.7	–
JeJu	15 (0.1)		1	2.2	–
Airport Screening**	534 (4.7)		16	–	–
<b>Total</b>	<b>11,478 (100.0)</b>		<b>273</b>	<b>22.1</b>	<b>270</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.

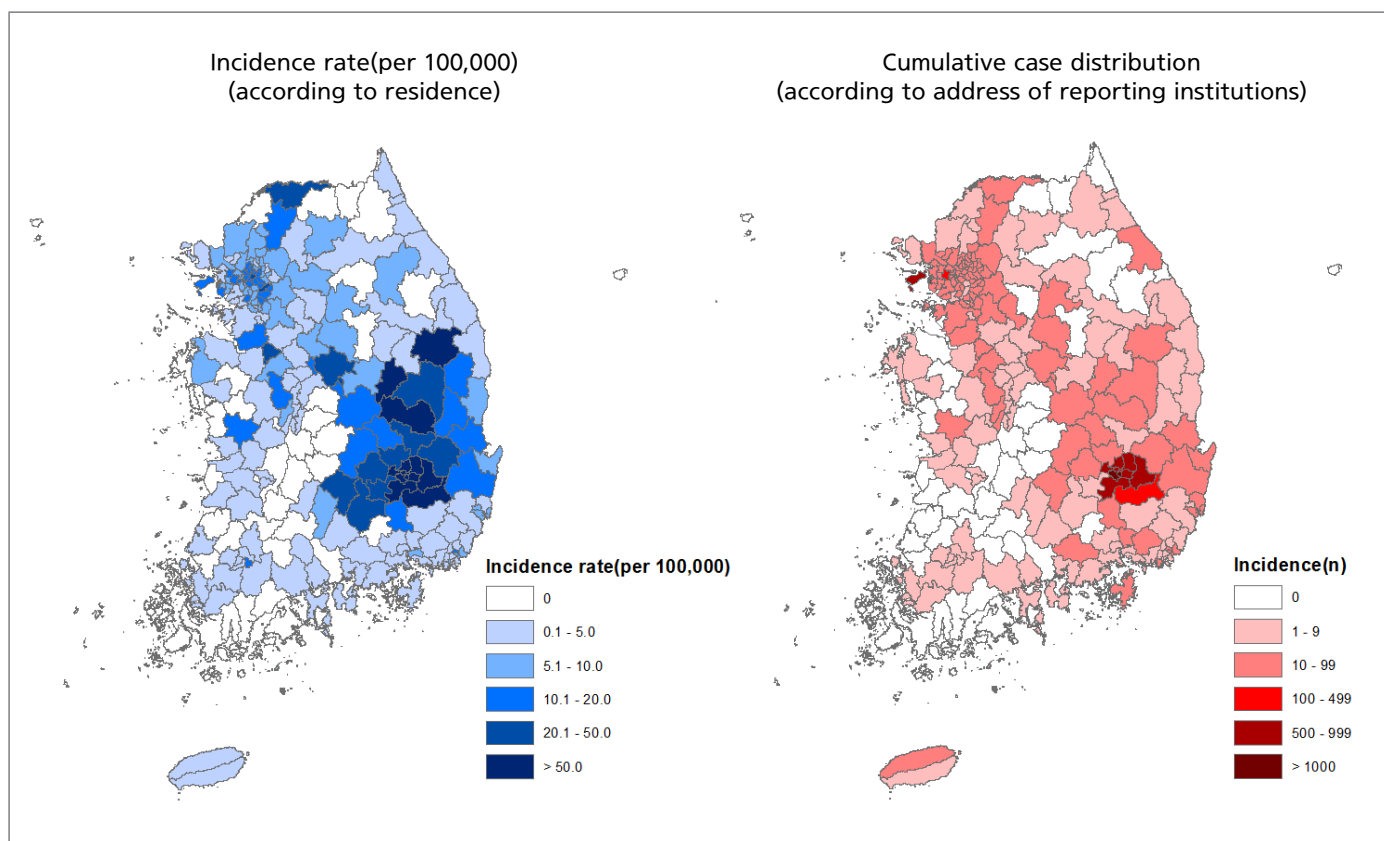


Figure 1. Confirmed cases distribution by region (city, county, district)

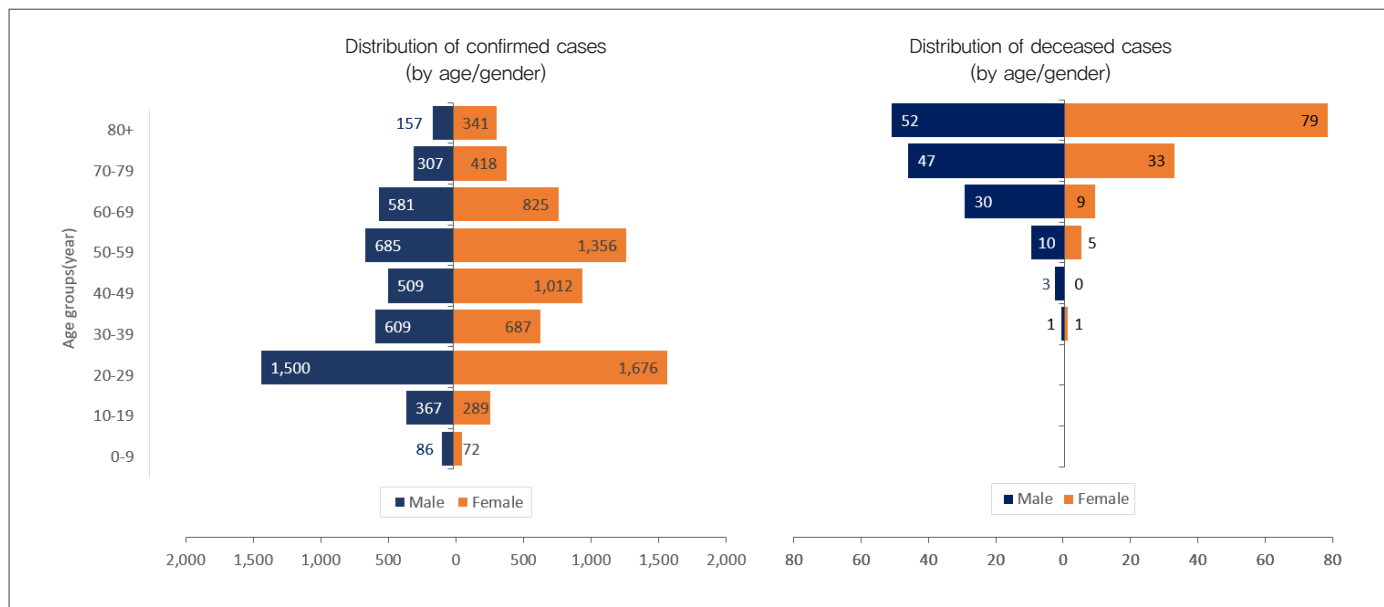


Figure 2. The distribution of confirmed/deceased cases by age/gender

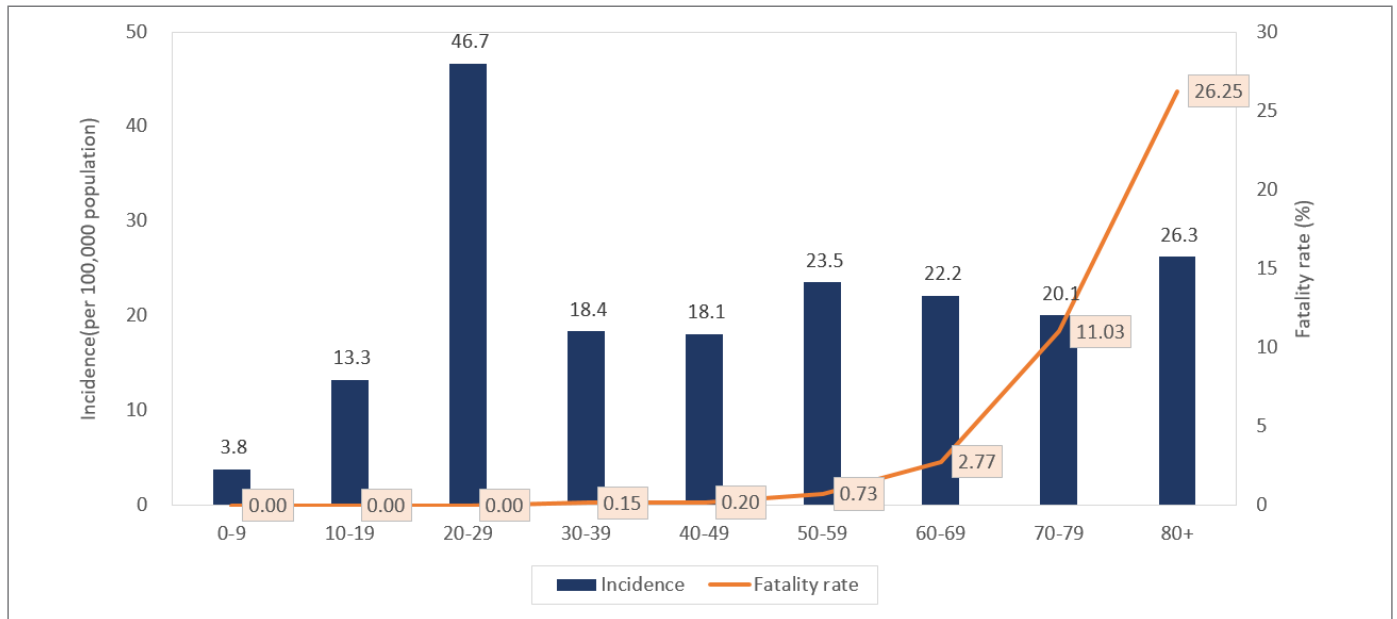


Figure 3. The distribution of incident rate and case fatality rate by age

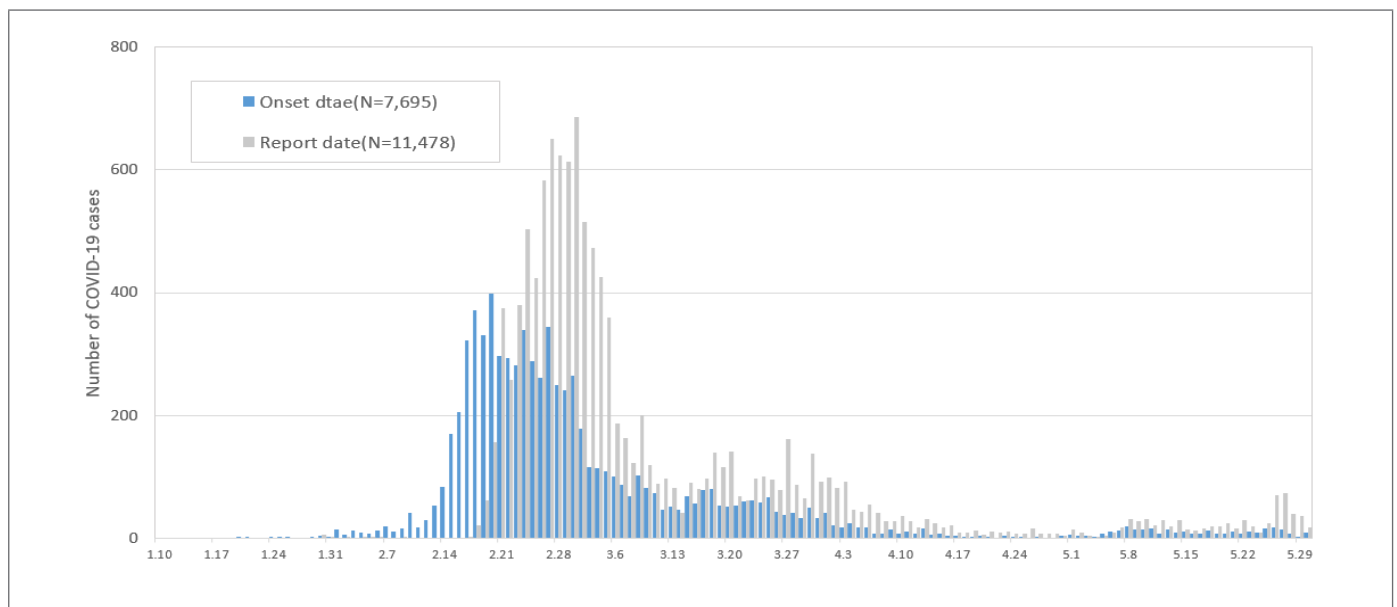


Figure 4. The reported dates and symptom onset dates of COVID-19 confirmed cases (Based on reported data)

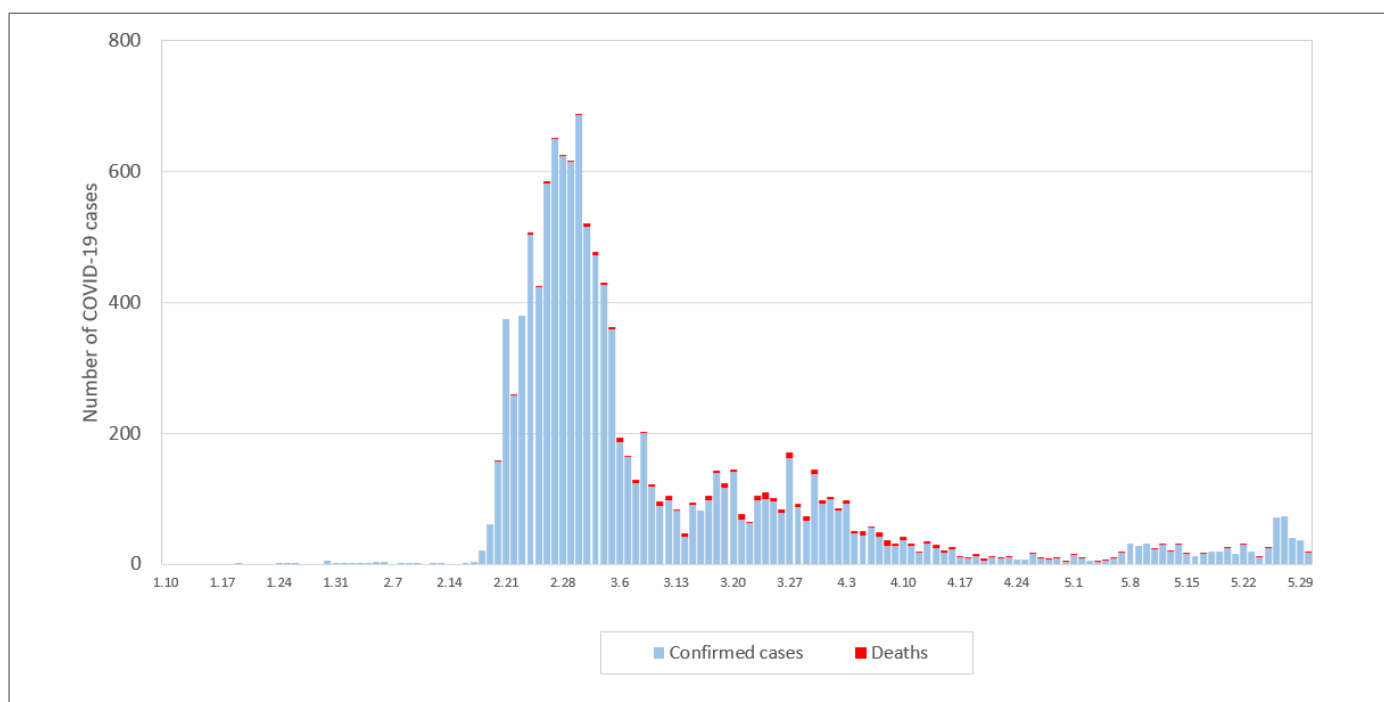


Figure 5. The reported/deceased dates of COVID-19 confirmed cases (Based on reported data)

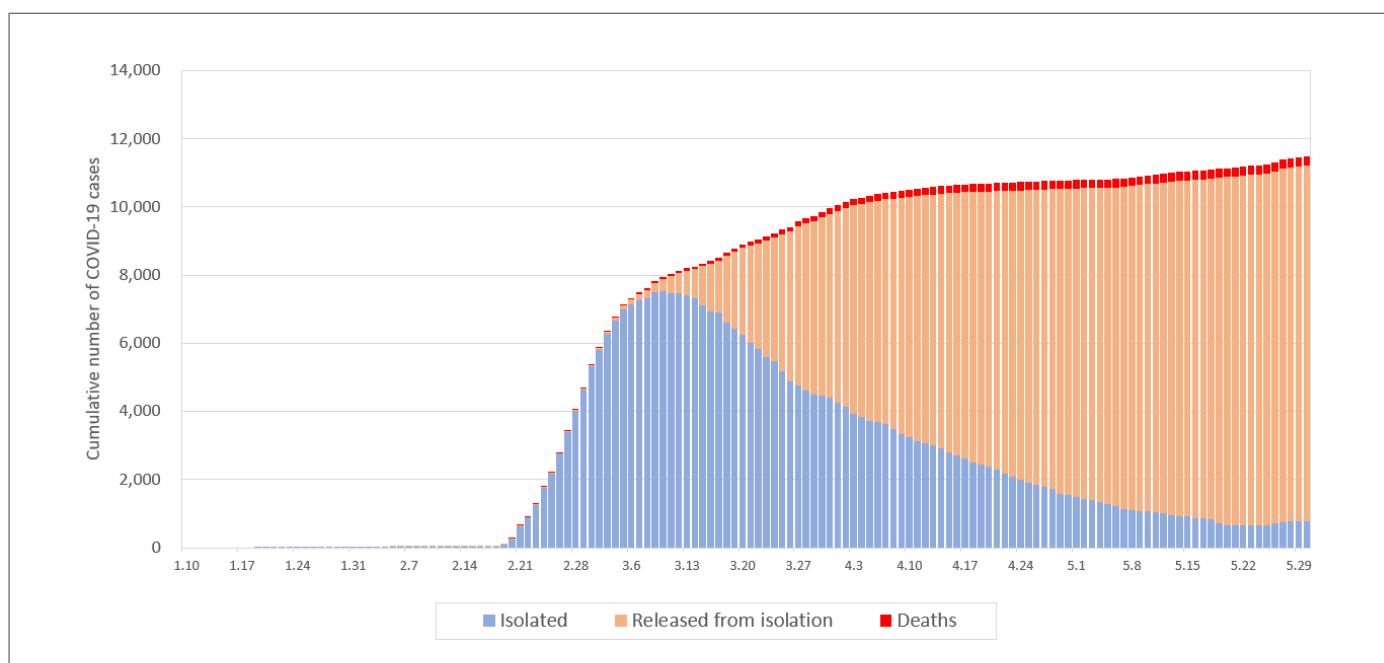


Figure 6. Total confirmed cases and case status (Based on reported data)

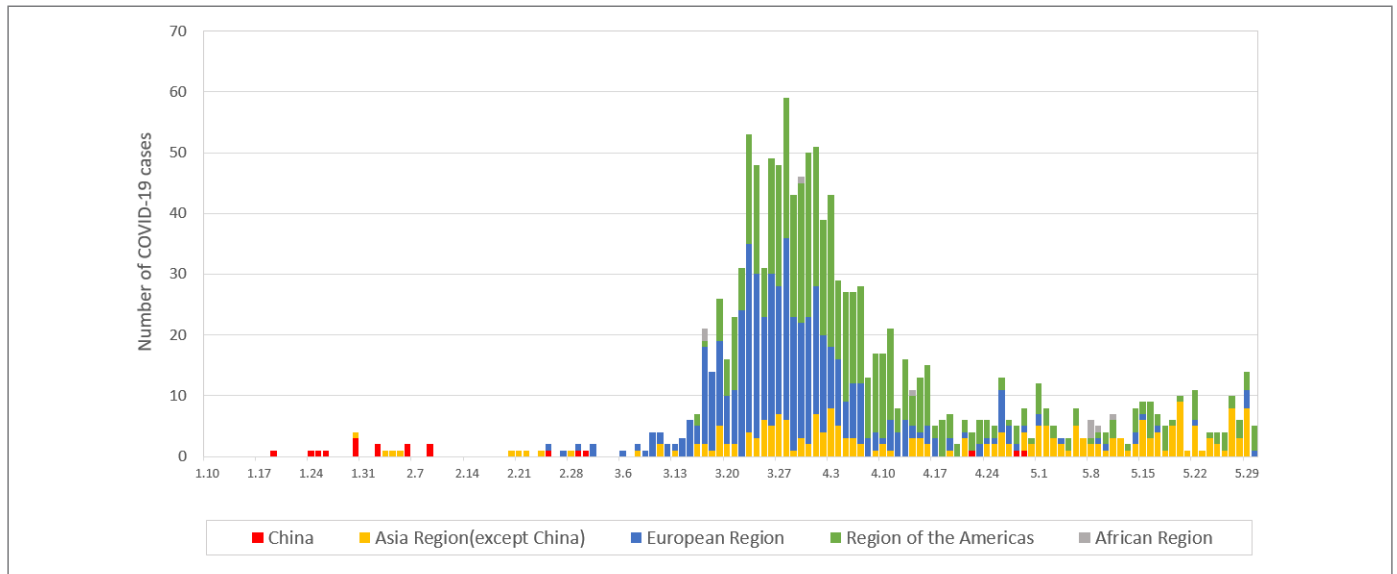


Figure 7. Daily trend of imported cases (Based on reported data)

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	861	277	8	546	30
Busan	147	29	12	86	20
Daegu	6,883	28	4,511	1,616	728
Incheon	207	48	2	152	5
Gwangju	32	16	9	7	
Daejeon	46	15	2	25	4
Ulsan	52	21	16	13	2
Sejong	47	4	1	41	1
Gyeonggi	848	189	29	593	37
Gangwon	57	16	17	20	4
Chungbuk	60	8	6	36	10
Chungnam	146	13		126	7
Jeonbuk	21	10	1	9	1
Jeonnam	20	12	1	5	2
Gyeongbuk	1,379	14	566	670	129
Gyeongnam	123	17	32	62	12
JeJu	15	9		6	
Airport Screening**	534	534		0	
<b>Total</b>	<b>11,478</b> (100.0%)	<b>1,260</b> (11.0%)	<b>5,213</b> (45.4%)	<b>4,013</b> (35.0%)	<b>992</b> (8.6%)

\* 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.