KDCA
Korea Disease Control and Prevention Agency

Updates on COVID-19 in Republic of Korea

15 December 2020

Local transmission cases as of 0:00 today (cumulative since 3 January 2020)

	Total	City							
		Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong
New	848	246	40	18	55	5	32	49	1
Cumulative	39,402	12,070	1,216	7,282	1,789	740	614	425	106
		Province							
	Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam	Jeju
New	274	13	24	37	13	1	15	16	9
Cumulative	9,265	793	517	1,055	455	427	1,770	779	99

Imported cases, as of 0:00 today (cumulative since 3 January 2020)

	Total	Region/Country						Where confirmed		Nationality	
		China	Asia ex-China	Europe	America	Africa	Oceania	Point of Entry	Community	Korean	Other
New	32	1	4	6	19	2	0	8	24	11	21
Total	4,962	32 (0.6%)	2,353 (47.5%)	899 (18.1%)	1,500 (30.2%)	159 (3.2%)	19 (0.4%)	2,298 (46.3%)	2,664 (53.7%)	2,696 (54.3%)	2,266 (45.7%)

* China 1, Asia excluding China: India 2, Indonesia 1, Japan 1, Europe: Ukraine 1, Germany 2, Albania 1, Spain 1, UK 1
America: US 18, Mexico 1, Africa: Morocco 1, Ghana 1

Case status, as of 0:00 today (cumulative since 3 January 2020)

	Discharged from isolation	Under isolation	Severe/critical cases	Deceased
As of 0:00 14 December (Mon)	32,102	10,795	185	587
As of 0:00 15 December (Tues)	32,559	11,205	205	600
Difference	(+)457	(+)410	(+)20	(+)13

** Based on case data reported to the KDCA*
*** Severe/Critical: patients treated with high flow oxygen therapy, mechanical ventilator, ECMO (Extracorporeal Membrane Oxygenation), CRRT (Continuous Renal Replacement Therapy)*
※ Figures subject to correction based on findings from epidemiological investigations

Recent major local clusters as of 12:00 today

Location	Cluster	New cases	Total cases
Seoul Gangseo-gu	Religious facility	6	168
Chungnam Dangjin-si	Religious facility	61	104
Gwangju Nam-gu	Religious facility	6	7
Gyeonggi Bucheon-si	Convalescent hospital	45	117
Gyeonggi Namyangju-si	Nursing home / day care center	32	33
Busan Dong-gu	Convalescent hospital	14	63
Ulsan Nam-gu	Convalescent hospital	47	206
Gyeongnam Changwon-si	Hospital	7	8
Seoul Songpa-gu	Correctional facility	22	23
Seoul Jongno-gu	Restaurant	3	283

** The specific figures may differ from the daily reported statistics or figures disclosed by local municipalities due to factors such as report timing and differences in the time period considered*

Weekly risk assessment indicators

		Week 47 (11.15.~11.21.)	Week 48 (11.22~11.28.)	Week 49 (11.29.~12.05.)	Week 50 (12.06.~12.12.)
Daily average confirmed cases (n)	**Local**	255.6	400.1	487.7	**662.0**
	Imported	30.7	24.3	25.9	**27.7**
	Total	286.3	424.4	513.6	**689.7**
Cases with chain of transmission under investigation (%)(n)		12.9(259/2,004)	14.2(423/2,971)	17.0(612/3,595)	**22.8**(1,099/4,828)
Percentage under management (Percent of new cases confirmed while under self-quarantine)		45.6	39.5	43.3	**37.2**
New clusters		46(+1*)	40(+3*)	49(+34*)	**16**
Reproduction number (Rt)		1.52	1.43	1.23	**1.18**
Average critical/severe patients(n)		70	80	101	**151**
Number of deaths (n)		11	19	18	**38**
Number of ICU available		113	86	55	**62**

※ Figures subject to change upon new findings from investigation ** Reclassified due to epidemiological link found*

Ranking of source of transmission by age group (2020.10.1.~12.10.)

(n, %)

Rank	All ages	Ages 0-19	Ages 20-39	Ages 40-59	Ages 60+
1	Family/friends gathering (1,645 cases, 21.8%)	Family/friends gathering (325 cases, 35.0%)	Family/friends gathering (315 cases, 16.3%)	Family/friends gathering (566 cases, 23.8%)	Convalescent hospital / care facility (657 cases, 28.5%)
2	Workplace (971 cases, 12.9%)	Educational facility (193 cases, 20.8%)	Workplace (313 cases, 16.2%)	Workplace (443 cases, 18.6%)	Family/friends gathering (439 cases, 19.0%)
3	Convalescent hospital / care facility (934 cases, 12.4%)	Fitness / recreational facility (136 cases, 14.7%)	Fitness / recreational facility (252 cases, 13.1%)	Fitness / recreational facility (308 cases, 12.9%)	Healthcare facility (248 cases, 10.7%)
4	Fitness / recreational facility (851 cases, 11.3%)	Religious activity (57 cases, 6.1%)	Educational facility (216 cases, 11.2%)	Healthcare facility (229 cases, 9.6%)	Restaurant/cafe (214 cases, 9.3%)
5	Healthcare facility (702 cases, 9.3%)	Healthcare facility (52 cases, 5.6%)	Military unit (207 cases, 10.7%)	Convalescent hospital / care facility (183 cases, 7.7%)	Workplace (210 cases, 9.1%)
Total	16,286 cases	1,805 cases (11.1%)	4,836 cases (29.7%)	5,336 cases (32.8%)	4,309 cases (26.5%)

□ KDCA stressed that a unified response between health authorities and the public is the only way to reverse the current trajectory of rapid rise in COVID-19 cases.

○ First, active participation in social distancing to minimize person-to-person contact.

- Avoid going out except for essential reasons; especially avoid visiting public venues with a large number of people; cancel all end-of-the-year parties or social plans; social gathering or party plans; spend the winter holidays at home safely with household members only and express love to family and friends through letters or video chat.

○ Second, follow infection prevention guidelines in everyday life; wear masks at all times in all indoor spaces in all circumstances, including at work, school, and religious events.

- In addition to personal hygiene practices such as hand washing, ventilate indoor spaces regularly; disinfect frequently touched objects (remote control, door knob, etc.) often.

○ Third, get tested at a screening clinic, temporary testing stations, or respiratory clinics if experiencing any suspected symptoms such as fever or respiratory symptoms.

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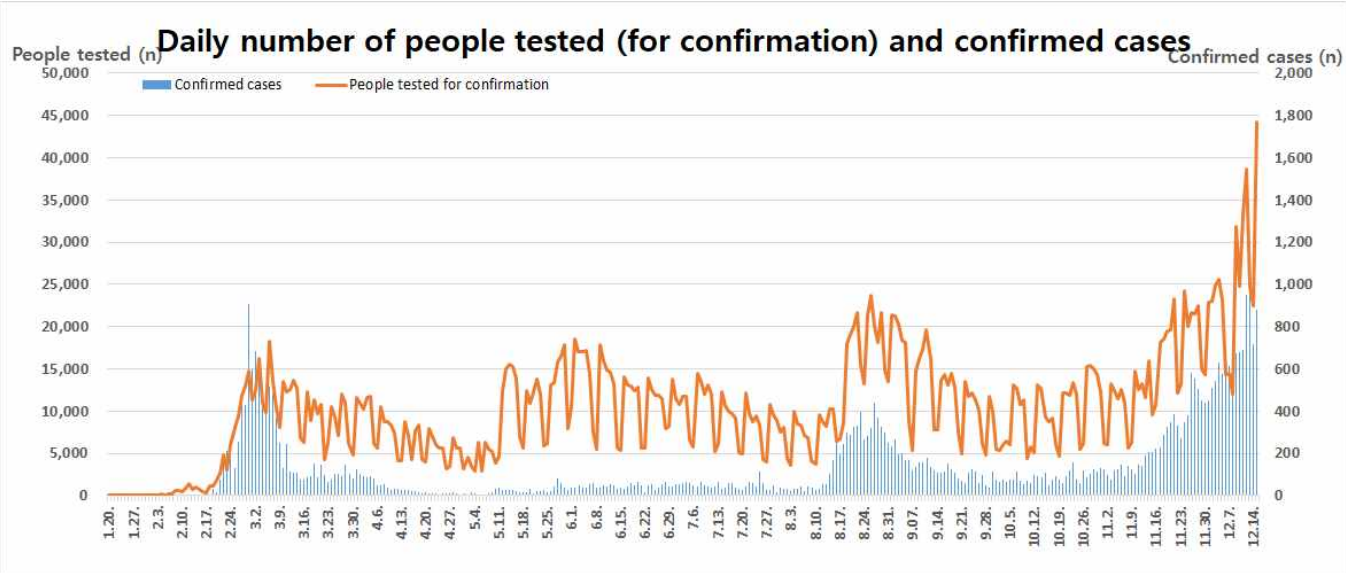
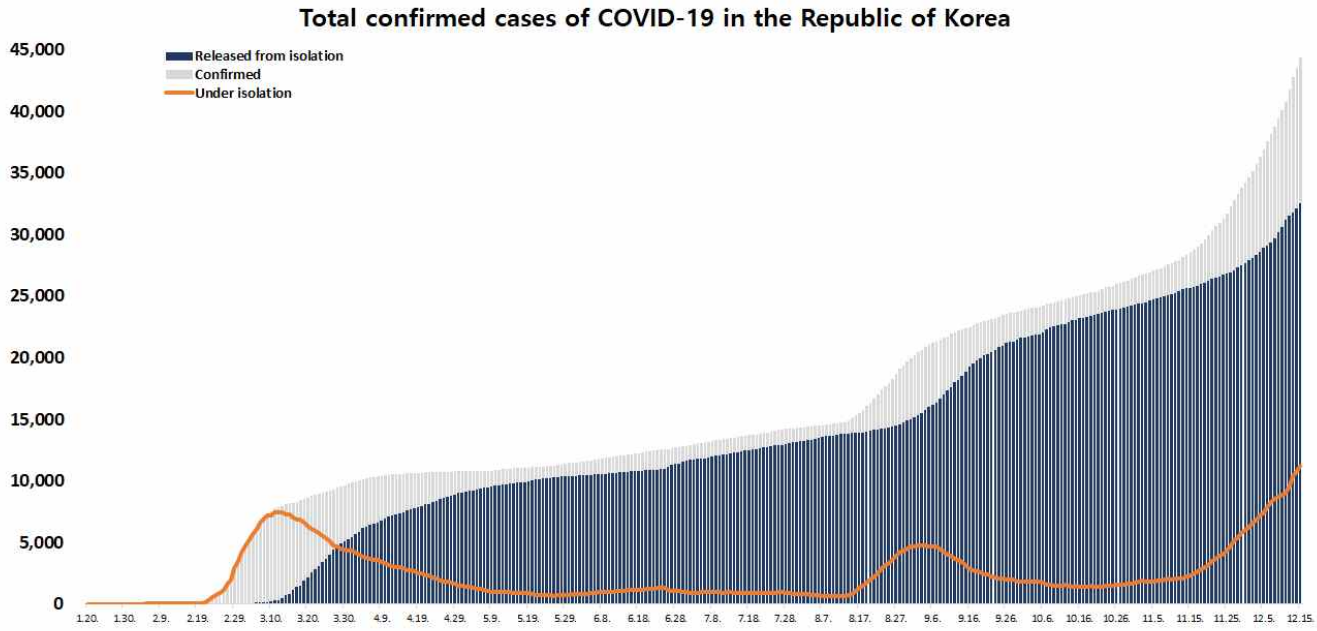
Overall case and test status as of 0:00 today (cumulative since 3 January 2020)

Period (since 3 Jan)	Total	Tested positive (PCR)				Testing in progress	Tested negative (PCR)
		Confirmed	Discharged from isolation	Under isolation	Deceased		
As of 0:00 14 December (Mon)	3,397,039	43,484	32,102	10,795	587	89,247	3,264,308
As of 0:00 15 December (Tues)	3,441,220	44,364	32,559	11,205	600	93,473	3,303,383
Difference	+44,181	+880	+457	+410	+13	+4,226	+39,075

** Based on case data reported to the KDCA*
*** Testing in progress includes number of completed tests with negative results that are being recorded with delays*
※ Figures subject to correction based on findings from epidemiological investigations





Regional distribution of cases as of 0:00 today (cumulative since 3 January 2020)

Region	New cases		Total cases	(%)	Incidence rate* (per 100,000)
	Local	Imported			
Seoul	246	5	12,657	(28.53)	130.04
Busan	40	1	1,297	(2.92)	38.01
Daegu	18	1	7,384	(16.64)	303.06
Incheon	55	0	1,932	(4.35)	65.36
Gwangju	5	0	827	(1.86)	56.77
Daejeon	32	0	657	(1.48)	44.57
Ulsan	49	0	483	(1.09)	42.11
Sejong	1	0	128	(0.29)	37.39
Gyeonggi	274	14	10,251	(23.11)	77.36
Gangwon	13	0	834	(1.88)	54.14
Chungbuk	24	1	580	(1.31)	36.26
Chungnam	37	0	1,156	(2.61)	54.47
Jeonbuk	13	2	521	(1.17)	28.67
Jeonnam	1	0	481	(1.08)	25.79
Gyeongbuk	15	0	1,865	(4.20)	70.05
Gyeongnam	16	0	886	(2.00)	26.36
Jeju	9	0	127	(0.29)	18.93
Border Screening	0	8	2,298	(5.18)	-
Total	848	32	44,364	(100)	85.57

** Total (cumulative) number of cases reported since January 2020 of region / Population of region (based on resident registration data of the Ministry of the Interior as of January 2020)*
** Incidence rate based on the number of confirmed cases with the address of the reporting institution*

Confirmed cases by gender and age group

		New cases	(%)	Total cases	(%)	Incidence rate* (per 100,000)
Total		880	(100)	44,364	(100)	85.57
Sex	Male	415	(47.16)	21,258	(47.92)	82.20
	Female	465	(52.84)	23,106	(52.08)	88.92
Age	80 or above	86	(9.77)	2,057	(4.64)	108.31
	70-79	79	(8.98)	3,464	(7.81)	96.03
	60-69	133	(15.11)	6,808	(15.35)	107.31
	50-59	151	(17.16)	8,100	(18.26)	93.46
	40-49	125	(14.20)	6,252	(14.09)	74.52
	30-39	112	(12.73)	5,686	(12.82)	80.71
	20-29	100	(11.36)	7,800	(17.58)	114.60
	10-19	54	(6.14)	2,780	(6.27)	56.27
	0-9	40	(4.55)	1,417	(3.19)	34.16

** Total (cumulative) number of cases reported since January 2020 by sex and age / Population by sex and age (based on resident registration data of the Ministry of the Interior as of January 2020)*
※ Figures subject to correction based on findings from epidemiological investigations

Deaths by gender and age group

		New deaths	(%)	Total deaths	(%)	Case fatality rate (%)
Total		13	(100)	600	(100)	1.35
Sex	Male	6	(46.15)	308	(51.33)	1.45
	Female	7	(53.85)	292	(48.67)	1.26
Age	80 or above	9	(69.23)	309	(51.50)	15.02
	70-79	2	(15.38)	185	(30.83)	5.34
	60-69	2	(15.38)	74	(12.33)	1.09
	50-59	0	(0.00)	25	(4.17)	0.31
	40-49	0	(0.00)	5	(0.83)	0.08
	30-39	0	(0.00)	2	(0.33)	0.04
	20-29	0	(0.00)	0	(0.00)	0.00
	10-19	0	(0.00)	0	(0.00)	0.00
	0-9	0	(0.00)	0	(0.00)	0.00

** Case fatality rate (CFR) (%) = Number of deaths / Number of confirmed cases x 100*
※ Figures subject to correction based on findings from epidemiological investigations

AGE DISTRIBUTION OF SEVERE/CRITICAL CASES

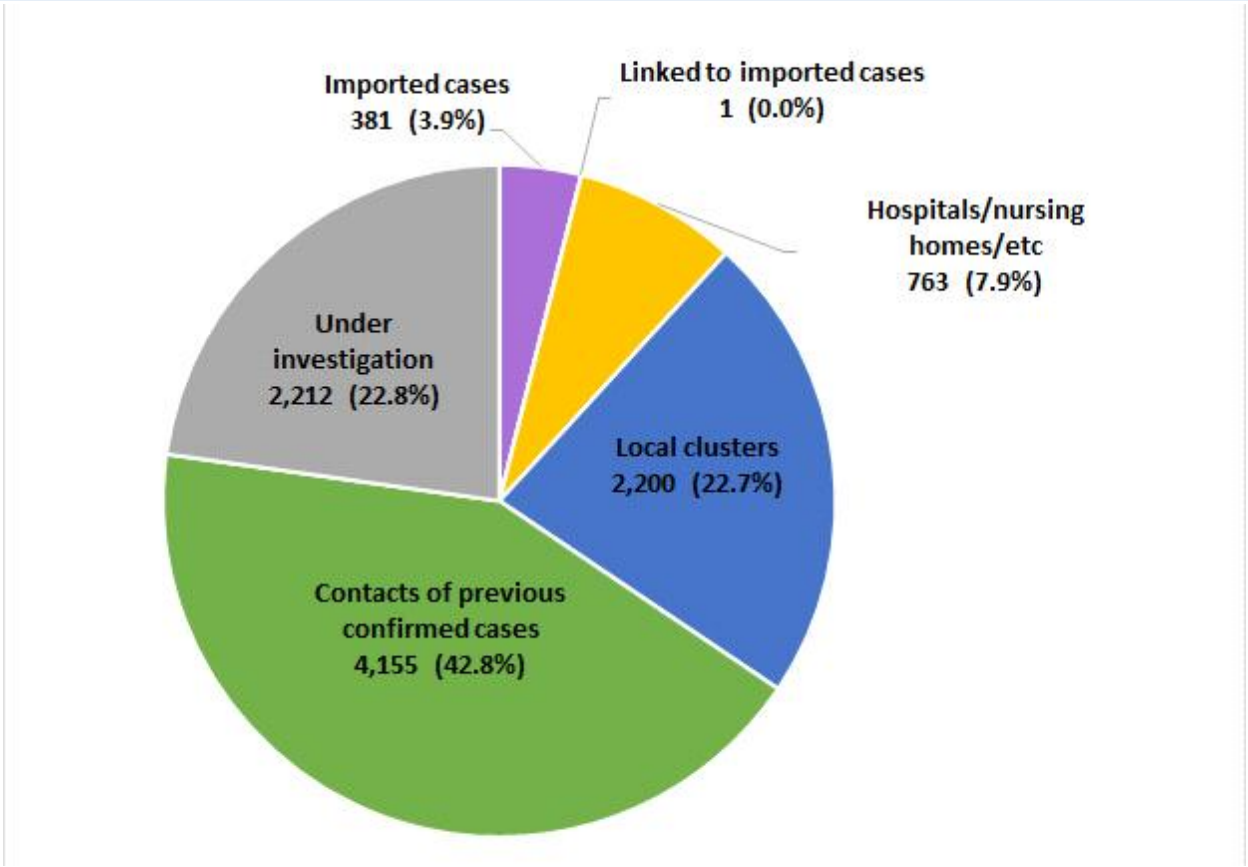
	12.2.	12.3.	12.4.	12.5.	12.6.	12.7.	12.8.	12.9.	12.10.	12.11.	12.12.	12.13.	12.14.	12.15.
Total	101	117	116	121	125	126	134	149	172	169	179	179	185	205

Severe/Critical	(	%	)
Total	**205**	**100.0**	
80 and above	38	18.5	
70-79	82	40.0	
60-69	53	25.9	
50-59	27	13.2	
40-49	3	1.5	
30-39	2	1.0	
20-29	0	0.0	
10-19	0	0.0	
0-9	0	0.0	

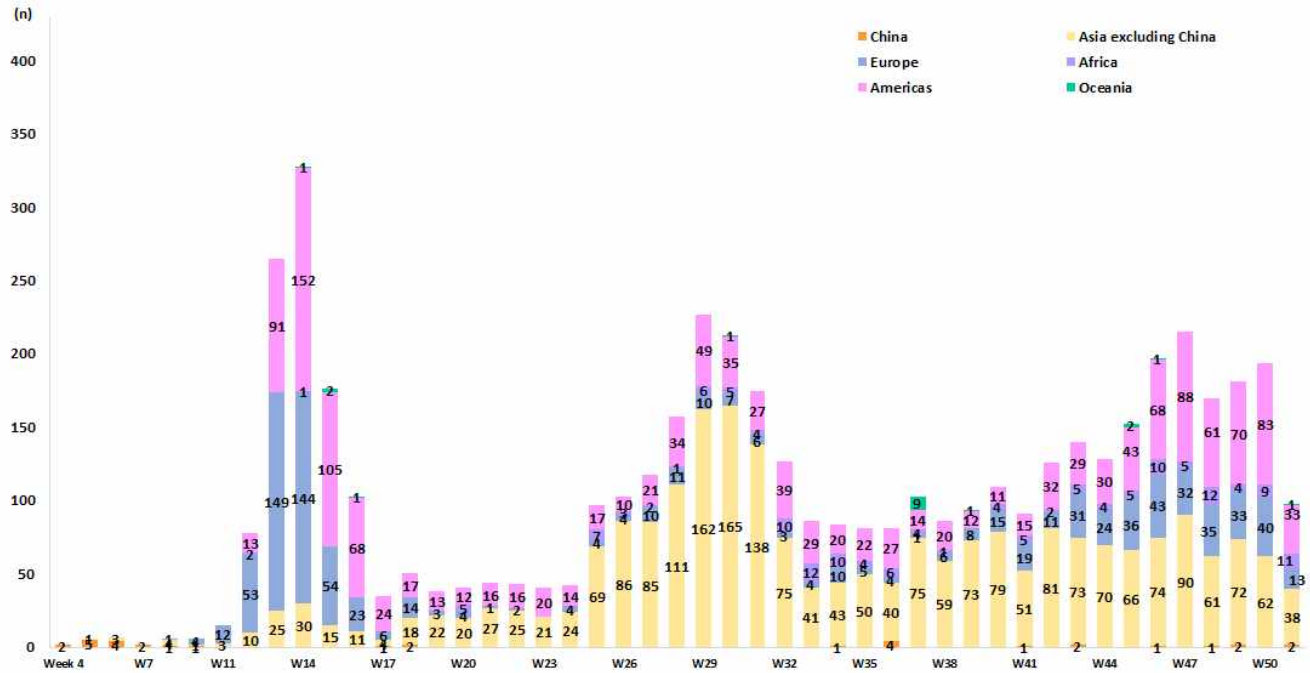
* Severe/Critical: patients treated with high flow oxygen therapy, mechanical ventilator, ECMO (Extracorporeal Membrane Oxygenation), CRRT (Continuous Renal Replacement Therapy)
* ICU treatment is decided based on the need for intensive care based on factors such as clinical condition and presence of any underlying medical condition and may differ from severe and critical case classification criteria. The number of severe/critical cases may not match the number of patients in ICU.

※ *Figures subject to correction based on findings from epidemiological investigations*

NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION



IMPORTED CASES



REGIONAL DISTRIBUTION AND EPIDEMIOLOGICAL LINKS OF CONFIRMED CASES

Region	Confirmed cases									Other major clusters
	Total	Imported cases	Clusters				Other*	Under investigation	New cases	
			Sub-total	Shin-cheonji cluster	Other local clusters	Imported related				
Seoul	12,657	587	5,773	8	5,685	80	3,701	2,596	251	Past large clusters: • Sarang Jeil Church (1173) • Aug 15 Seoul rallies (650) • Nightclubs (277) • Yongjin Woori Jeil Church (221) • Richway (210) • Guro-gu call center (170) • Gyeonggi SRC Convalescent Hospital (163) • Coupang fulfillment center (152) • Gwangju door-to-door sales (150) • Newly planted churches group (119)
Busan	1,297	81	866	12	799	55	214	136	41	
Daegu	7,384	102	5,515	4,512	996	7	985	782	19	
Incheon	1,932	143	1,058	2	1,047	9	462	269	55	
Gwangju	827	87	611	9	596	6	70	59	5	
Daejeon	657	43	360	2	357	1	164	90	32	
Ulsan	483	58	361	16	341	4	42	22	49	
Sejong	128	22	70	1	68	1	20	16	1	
Gyeonggi	10,251	986	4,597	29	4,500	68	2,991	1,677	288	
Gangwon	834	41	570	17	552	1	133	90	13	
Chung-buk	580	63	223	6	210	7	202	92	25	
Chung-nam	1,156	101	650	0	649	1	254	151	37	
Jeonbuk	521	66	314	1	313	0	97	44	15	
Jeonnam	481	54	331	1	328	2	59	37	1	
Gyeong-buk	1,865	95	1,352	565	787	0	250	168	15	
Gyeong-nam	886	107	563	32	528	3	126	90	16	
Jeju	127	28	38	0	37	1	40	21	9	
Ports of Entry	2,298	2,298	0	0	0	0	0	0	8	
Total	44,364 (%)	4,962 (11.2)	23,252 (52.4)	5,213 (11.8)	17,793 (40.1)	246 (0.6)	9,810 (22.1)	6,340 (14.3)	880	

** Includes contacts of confirmed cases*
※ The interim classification is based on the reporting location, which may change depending on further epidemiological investigation.