



KCDC

Korea Centers for Disease Control & Prevention

Updates on COVID-19 in Republic of Korea

29 June 2020

□ As of 0:00, 29 June 2020, the total number of confirmed cases is 12,757 (including 1,562 imported cases), of which 11,429 cases have been discharged from isolation. There are 30 new local cases and 12 new imported cases.

[Table 1. Total reported/tested cases]

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 28 June (Sun)	1,251,695	12,715	11,364	1,069	282	19,005	1,219,975
As of 0:00 29 June (Mon)	1,259,954	12,757	11,429	1,046	282	18,499	1,228,698
Difference	(+)8,259	(+)42	(+)65	(-)23	-	(-)506	(+)8,723

- The current state* of major local clusters as of today (as of 12:00, 29 June) are as follows:
 - * The specific figures below may differ from the daily reported statistics (which are based on figures as of 0:00 today) or figures disclosed by local municipalities due to factors such as report timing and differences in the time period considered
 - Related to Richway in Gwangak-gu, Seoul, 3 additional cases were confirmed. The new cases were contacts under quarantine. In total, 210* cases have been confirmed.
 - * Visitors = 42; Contacts = 168 / Seoul = 122; Gyeonggi = 57; Incheon = 24; Gangwon = 4; Chungnam = 3
 - Related to Wangsung Church (congregation of 1,963) in Gwangak-gu, Seoul, 1 additional case was confirmed. In total, 28* cases have been confirmed. Over 1,600 have tested negative. The rest are being tested.
 - * Seoul = 24; Gyeonggi = 4
 - The 74 people related to the preschool at the Ministry of National Defense in Yongsan-gu, Seoul (including preschool children and teachers) were tested. 1 additional case was confirmed. The other 73 tested negative.
 - * Seoul = 9; Gyeonggi = 4; Ulsan = 1
 - Related to Lord Glory Church (congregation of 80) in Anyang-si, Gyeonggi Province, 4 additional cases (2 members and 2 coworkers) were additionally confirmed. In total, 22 cases have been confirmed including the index case. Further investigation on contacts and chains of transmission related to new contacts' workplace (Emart 24 Gyeonggi Province Icheon-si Yangji SLC logistics center) are underway.
 - * Seoul = 1; Gyeonggi = 21
 - Related to Central Baptist Church (congregation of over 9,000) in Suwon-si, Gyeonggi Province, 4* additional cases were confirmed. In total, 7 cases have been confirmed. Symptom monitoring is underway for the 720 people who attended service.



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- Epidemiological investigation on the cases related to a family in Gwangju/Jeonnam region found that the cases were related to Gwangneuksa Temple in Gwangju City. In total, 12 cases have been confirmed. From epidemiological investigation on Gwangneuksa Temple, 76 contacts were found. Further investigation and testing are underway.
 - * Visitors = 8; Contacts = 4 / * Gwangju = 7; Jeonnam = 3; Jeonbuk = 1; Gyeonggi = 1
- The (presumed) location of infection acquisition of the 12 imported cases are: America (3), Europe (1), Asia excluding China (8) (Philippines=2; Bangladesh=2; Kazakhstan=2; Russia=1; Pakistan=1).

[Table 2. Imported cases in Korea (as of 0:00, 29 June 2020)]

	Total	Region/Country						Where confirmed		Nationality	
		China	Asia ex-China	Europe	Americas	Africa	Australia	Point of Entry	Community	Korean	Other
New	12	0	8	1	3	0	0	5	7	4	8
Total	1,563	19 (1.2%)	445 (28.5%)	487 (31.2%)	593 (37.9%)	18 (1.2%)	1 (0.1%)	711 (45.5%)	852 (54.5%)	1,223 (78.2%)	340 (21.8%)

* Figures may change based on findings from ongoing local epidemiological investigation efforts

- KCDC noted that COVID-19 infections are spreading through various religious activities including weekend religious events, religious small group meetings, and retreats, and advised caution accordingly.

Location	Total congregation/ membership size (Number of people subject to management)	Index case confirmed date	Total number of confirmed cases	Chains of transmission and relationship	Risk factors
Wangsung Church (Seoul Gwangak-gu)	Over 1,700 (1642)	6.24	28	Church member, family, acquaintance, coworker	<ul style="list-style-type: none"> • Small group gatherings before or after service • Church retreat / praise team without proper mask wearing • People who attended service while being symptomatic
Lord Glory Church (Gyeonggi Anyang-si)	Over 80 (33)	6.26	22	Church member, family, acquaintance, coworker	<ul style="list-style-type: none"> • Eating meals inside non-ventilated facility / church • Improper/poor mask wearing • People who attended service while being symptomatic
Central Baptist Church (Gyeonggi Suwon-si)	Over 9,000 (717)	6.27	7	Under investigation	<ul style="list-style-type: none"> • Social gatherings among church members • People who attended service while being symptomatic

※ Information subject to change based on findings from ongoing local investigation



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- Epidemiological investigation regarding religious facilities where many recent cases emerged found:
 - Infection prevention measures were not properly followed including poor mask wearing (improper wearing, praise team singing without mask on, etc)
 - Large number of activities that can create and transmit respiratory droplets such as singing, eating, and small group gathering
 - Some people attended service while having symptoms, causing additional infection
- Since religious gatherings tend to involve a crowded environment where conversations, singing, and eating take place, making it vulnerable to droplet-induced transmission,
 - canceling small group meetings or switching to non-face-to-face methods is recommended; and
 - if on-site worship service is held, such facilities are requested to reduce the number of participants to ensure that participants keep proper distance from each other, check participants for fever and other symptoms, ensure hand washing and mask wearing, and
 - make sure not to provide meals or engage in activities that release respiratory droplets in the air (such as singing, chanting, and shouting).
- For the last 2 weeks of cases, local cases (45.8%) and imported cases (34.1%) account for a large proportion, but cases whose source of infection is under investigation is rising, at 11.8%.
- Since COVID-19 outbreaks can occur in any confined, crowded, and close-contact environment, KCDC advises postponing social gatherings and avoiding high risk facilities such as nightlife entertainment establishments, bars, karaoke, and PC cafes.
 - In daily life, hand washing, mask wearing, and 2 meter physical distancing should also be followed.
- Regarding the Enterohemorrhagic Escherichia coli (EHEC) infection outbreak in a kindergarten in Ansan-si, Gyeonggi Province, KCDC has been investigating and monitoring the outbreak in cooperation with local municipality and related ministries since 16 June (Tues) when suspected outbreak was reported, and will continue to do so.
- As of 18:00 of 28 June, there are 114* people with symptoms. In total, 58 cases have been confirmed, including 1 new case who is a family member of a student of the kindergarten with EHEC.
 - * 111 students of the kindergarten and 3 family members of students
 - Currently 21 people (19 kindergarten students and 2 family members) are under hospitalization for inpatient care. In 16 people (14 kindergarten students and 2 family members) had onset of symptoms suspected of hemolytic uremic syndrome (HUS). Currently 4 people are receiving dialysis treatment.
- For prevention of EHEC infection, KCDC advised people to wash hands and maintain personal hygiene, sufficiently cook all food including beef and consume only safe foods, separate cookware, ensure that people with diarrhea or other symptoms do not cook food.



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Enterohemorrhagic Escherichia coli (EHEC) infection prevention tips

○ **Make proper hand washing an everyday habit**

- Wash hands under running water and with soap or hand wash
- After returning from an outing, after going to bathroom, before cooking, after caring for a diaper-wearing baby or toddler, or after touching dirty clothes or linen, etc

○ **Consume safe food**

- ◇ Cook food at sufficient temperature before eating
 - * Avoid non-pasteurized milk or raw meat; Cook meat to an internal temperature of 72 degrees or above
- ◇ Boil water before drinking
- ◇ Wash vegetables and fruit with water and peel before eating

○ **Maintain kitchen hygiene**

- Disinfect knife and cutting board before use
- Separate cookware for each purpose (for vegetables, for meat, for fish)

○ **Prohibit people with diarrhea from cooking or preparing food**

○ **When swimming in river, lake, or swimming pool, do not drink the water in river, lake, or swimming pool**



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[Table 4: Regional distribution and epidemiological links of the confirmed cases]

Region	Confirmed cases									Other major clusters
	Total	Imported cases	Clusters					Other*	New cases	
			Sub-total	Shin-cheonji	Other clusters	Contacts of confirmed cases	Imported cases			
Seoul	1,305	299	900	8	791	32	69	106	7	Nightclubs (139), Richway (117), Guro-gu call center (99), Yangcheon-gu table tennis club (44), Seongsim Day Care Center (43), Manmin Central Church (41), SMR newly planted churches group (37), Dong-an Church-PC Cafe (28), Coupang (24), Wangsung Church (24) , Gangnam Yeoksam-dong gathering (8), Daejeon door-to-door sales (8), Geumcheon-gu rice milling machine manufacturer (4), etc.
Busan	153	34	89	12	57	19	1	30	1	Onchun Church (39), Suyeong-gu Kindergarten (5), Nightclubs (4), etc.
Daegu	6,906	37	6,122	4,511	690	917	4	747	2	Second Mi-Ju Hospital (196), Hansarang Convalescent Hospital (124), Daesil Convalescent Hospital (101), Fatima Hospital (39), Nightclubs (2), etc.
Incheon	338	57	270	2	254	6	8	11	1	Coupang (61), SMR newly planted churches group (57), Nightclubs (54), Richway (24), Guro-gu call center (19), Gyeong-gu real estate agency family (12), Jesus Malsseum Silcheon Church (5), Car enthusiast group (4) , etc.
Gwangju	41	17	20	9	1	4	6	4	4	
Daejeon	112	15	80	2	68	10	0	17	2	Door-to-door sales in Daejeon (53) , Dreaming Church (4), etc.
Ulsan	55	22	26	16	4	3	3	7	0	
Sejong	49	4	44	1	40	3	0	1	0	Ministry of Oceans and Fisheries (31), gym facilities (8)
Gyeonggi	1,200	242	872	29	718	62	63	86	16	Grace River Church (67), Coupang (67), Nightclubs (59), Richway (58) , Uijeongbu St. Mary's Hospital (50), Guro-gu call center-Bucheon SaengMyeongSu Church (50), Yangcheon-gu table tennis club (28), SMR newly planted churches group (25), Anyang-Gunpo pastors group (22), Lotte Confectionery logistics center (15), Lord Glory Church (14) , KCCC (7), Geumcheon-gu rice milling machine manufacturer (6), Seoul City Hall Station safety worker (5), Seongnam neighbors gathering (5) , Wangsung Church (4) , etc.
Gangwon	64	16	41	17	24	0	0	7	0	Uijeongbu St. Mary's Hospital (10), Apartments in Wonju (4), Richway (4), Geumcheon-gu rice milling machine manufacturer (3), etc.
Chungbuk	64	11	42	6	27	7	2	11	0	Goesan-gun Jangyeon-myeon (11), Nightclubs (9), Guro-gu call center (2), etc.
Chungnam	167	15	140	0	137	2	1	12	0	Gym facilities in Cheonan (103), Daejeon door-to-door sales (10), Richway (3), Eunpyeong-Boksagol culture center (3), etc.
Jeonbuk	27	12	9	1	8	0	0	6	1	Nightclubs (2), Daejeon door-to-door sales (3)
Jeonnam	24	13	5	1	1	2	1	6	1	
Gyeongbuk	1,388	21	1,234	566	478	190	0	133	1	Cheongdo Daenam Hospital (119), Bonghwa Pureun Nursing Home (68), Gyeongsan Seo Convalescent Hospital (66), pilgrimage to Israel (41), Yecheon-gun (40), Gumi Elim Church (10), etc.
Gyeongnam	134	24	90	32	50	6	2	20	1	Geochang Church (10), Wings Tower (9), Geochang Woongyang-myeon (8), Soso Seowon (3), Nightclubs (2), etc.
Jeju	19	13	2	0	1	0	1	4	0	
Airport	711	711	0	0	0	0	0	0	5	
Total	12,757 (%)	1,563 (12.3)	9,986 (78.3)	5,213 (40.9)	3,349 (26.3)	1,263 (9.9)	161 (1.3)	1,208 (9.5)	42	

* Not classified into a cluster or under investigation

※ The interim classification is based on the reporting location, which may change depending on further epidemiological investigation.



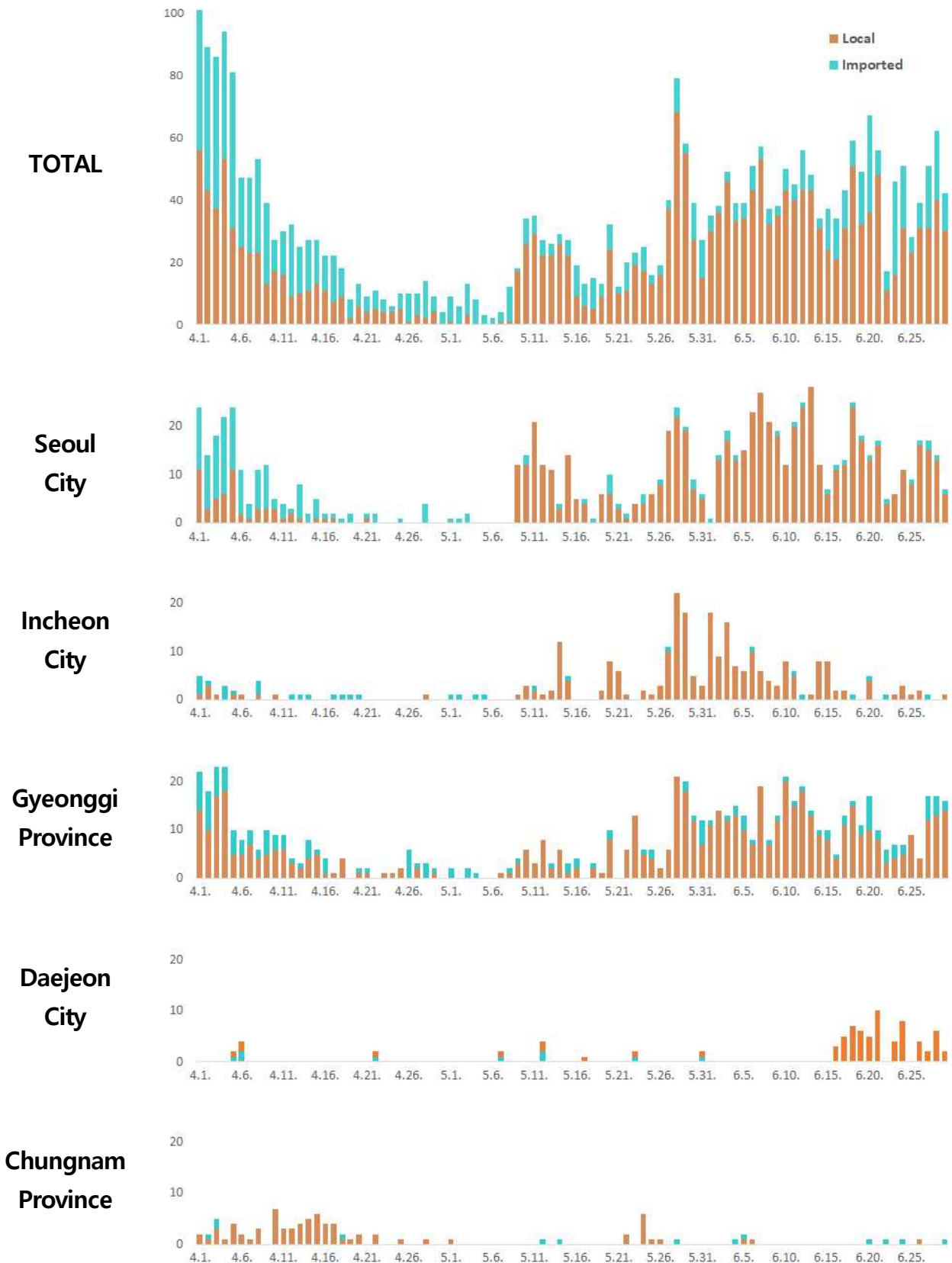
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[Figure 3: Daily new confirmed cases by chain of transmission]





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[Table 5: Age distribution of severe cases]

	6.16	6.17	6.18	6.19	6.20	6.21	6.22	6.23	6.24	6.25	6.26	6.27	6.28	6.29
Total	24	25	27	33	33	34	34	37	38	37	35	30	32	32
Severe	15	15	16	21	17	17	17	18	17	19	15	12	13	13
Very severe	9	10	11	12	16	17	17	19	21	18	20	18	19	19

	Total	Severe (%)	Very severe (%)
Total	32	13 (100.0)	19 (100.0)
80 and above	9	3 (23.1)	6 (31.6)
70-79	11	6 (46.2)	5 (26.3)
60-69	6	3 (23.1)	3 (15.8)
50-59	6	1 (7.7)	5 (26.3)
40-49	0	0 (0.0)	0 (0.0)
30-39	0	0 (0.0)	0 (0.0)
20-29	0	0 (0.0)	0 (0.0)
10-19	0	0 (0.0)	0 (0.0)
0-9	0	0 (0.0)	0 (0.0)

[Figure 4: New cases (for last 2 weeks) by chain of transmission]

