



KCDC

Korea Centers for Disease Control & Prevention

Updates on COVID-19 in Republic of Korea

23 July 2020

□ As of 0:00, 23 July 2020, the total number of confirmed cases is 13,938 (including 2,145 imported cases), of which 12,758 cases have been discharged from isolation. There are 39 new local cases, 20 new imported cases, and 0 new deaths.

[Local transmission cases, as of 0:00, 23 July (cumulative since 3 January 2020)]

	Total	City							
		Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong
New	39	11	0	0	2	9	0	0	0
Cumulative	11,793	1,198	119	6,881	302	176	147	34	45

	Total	Province							
		Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam
New	17	0	0	0	0	0	0	0	0
Cumulative	1,100	51	56	159	18	17	1,369	110	11

[Imported cases, as of 0:00, 23 July (cumulative since 3 January 2020)]

	Total	Region/Country						Where confirmed		Nationality	
		China	Asia ex-China	Europe	Americas	Africa	Oceania	Point of Entry	Community	Korean	Other
New	20	0	10	1	9	0	0	5	15	5	15
Total	2,145	18 (0.8%)	856 (39.9%)	518 (24.1%)	720 (33.6%)	29 (1.4%)	4 (0.2%)	1,002 (46.7%)	1,143 (53.3%)	1,443 (67.3%)	702 (32.7%)

※ Americas: US 9

Europe: UK 1

Asia ex-China: Russia 5, Uzbekistan 3, Kazakhstan 1, Tajikistan 1

[Case management status*, as of 0:00, 23 July (cumulative since 3 January 2020)]

	Discharged from isolation	Under isolation	Severe/critical cases	Deceased
As of 0:00 22 July (Wed)	12,698	884	21	297
As of 0:00 23 July (Thurs)	12,758	883	18	297
Difference	(+)60	(-)1	(-)3	-

* Based on case data reported to the KCDC

※ Figures subject to correction based on findings from epidemiological investigations

[Overall case and test status, as of 0:00, 23 July (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 22 July (Wed)	1,492,071	13,879	12,698	884	297	21,751	1,456,441
As of 0:00 23 July (Thurs)	1,500,854	13,938	12,758	883	297	21,418	1,465,498
Difference	(+)8,783	(+)59	(+)60	(-)1	-	(-)333	(+)9,057

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- The current state* of major local clusters as of today (as of 12:00, 23 July) 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 the Gangseo Central Day Care Center in Gangseo-gu, Seoul City, 5 additional cases (1 facility user, 4 acquaintances) were confirmed. In total, 20* cases have been confirmed.
 - * facility users = 13 cases, facility users' family members = 3 cases, acquaintances = 4 cases
 - Related to a financial firm in Gangnam-gu, Seoul City, 1 additional case was confirmed when the individual was tested prior to release from quarantine. In total, 9* cases have been confirmed.
 - * employees = 4, family members and acquaintances = 5
 - Related to the Love Church in Songpa-gu, Seoul City, 4 additional cases were confirmed. In total, 8* cases (all church members) have been confirmed.
 - * Risk factors: repeated exposure from individual attending service after developing symptoms, improper mask wearing, singing, choir meetings, dining together
 - Related to a military garrison in Gyeonggi-do, Pocheon City, 4 additional cases (1 soldier, 2 unit instructors for education and consulting, 1 family member of instructor) were confirmed. In total, 17* cases have been confirmed. It is suspected that the instructors transmitted onto others in the garrison. The military and Gyeonggi provincial authorities are conducting a joint epidemiological investigation regarding 4 additional garrisons that the instructors visited.
 - * soldiers = 14, instructors = 2, instructor's family members = 1
 - Risk factors: improper mask wearing
 - Related to the door-to-door sales group in Gwangju City, 2 additional cases were confirmed (T WORLD phone store related) when tested prior to release from quarantine. In total, 150 cases have been confirmed.
 - Related to a family in Gwangju City, 6 additional cases were confirmed after the index case was confirmed on July 22. In total, 7* cases have been confirmed. Investigation is underway for possible connections with past clusters, such as the Gwangju door-to-door sales cluster.
 - * family members = 4, acquaintances = 3
- As of 0:00, 23 July, there were 20 imported cases, of which 5 were confirmed at the point of entry, and 15 were confirmed in the community while in mandatory self-quarantine after arrival. The 20 cases consisted of 5 Korean nationals and 15 foreign nationals.
- The (presumed) location of infection acquisition of the 20 new imported cases are: Americas (9) (US 9), Europe (1) (UK 1), and Asia excluding China (10) (Russia 5, Uzbekistan 3, Kazakhstan 1, Tajikistan 1).
- To date, of the 2,145 total imported cases, 46.7% (1,002 cases) were confirmed at the point of entry through diagnostic testing, and were subsequently isolated to prevent local community transmission.



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- The 1,143 imported cases that were confirmed in the community were tested and isolated within 3 days after entry to prevent local community transmission.
- KCDC shared updates on preparation for a second domestic COVID-19 antibody titer survey.
 - The second batch of excess serums (578 serums, as of 15 July 2020) from the 2020 National Health and Nutrition Examination Survey, including serums from Daegu, Daejeon, and Sejong, have been collected. Once additional serums have been collected, antibody titer survey results will be compiled around late August.
 - A separate antibody titer survey of 3,300 individuals in the Daegu and Gyeongsan areas is planned to take place in August.
- KCDC asked the public to actively use the Safety Sinmungo Report program run by the Ministry of the Interior and Safety, to report any risk factors related to preventing transmission of COVID-19.
 - 1,273* reports have been submitted through the Safety Sinmungo Report from 1 July to 22 July. Guideline infraction reports, accounting for 705 (55.4%) of the reports, was the most common.

Total	Safety Reports					Suggestions
	Subtotal	Guideline Infraction	Administrative Action Infraction	Self-quarantine Infraction	Others (Unclear)	
1,273 (100%)	1,156 (90.8%)	705 (55.4%)	49 (3.8%)	23 (1.7%)	379 (29.8%)	117 (9.2%)

- Recent incident reports included:
 - ▲ 50-60 members of a music club drinking and practicing music without wearing masks in a closed underground space for a whole night, risking transmission
 - ▲ A movie theatre not maintaining a visitor's log and disregarding distancing guidelines in seat arrangement
- The transmission of COVID-19 can occur in all closed, crowded, and close-contact spaces. Therefore, it is asked that individuals cancel social gatherings and meetings or conduct them in a non-face-to-face manner, while following COVID-19 guidelines, including social distancing (2m or more).
- KCDC asked the public to actively report COVID-19 risk factors, including guideline infractions, to the Safety Sinmungo App or portal.
 - * The Safety Sinmungo app (Android, iOS) and the program's website (www.safetyreport.go.kr) allows immediate report of COVID-19-related infractions/risk factors. The result of your report can be easily checked via mobile text message and KakaoTalk messenger application.



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- As the executive action mandating COVID-19 prevention guideline adherence to churches nationwide (limits on assembly) will be lifted on 24 July at 18:00, KCDC asked that church leaders and churchgoers continue to voluntarily refrain from behaviors that increase the risk of infection, such as small group meetings, events and sharing meals, and follow COVID-19 prevention guidelines.
- Face-to-face meetings and events, other than regular services, risk transmission to many people, and should be canceled or conducted in a non-face-to-face manner.
 - During worship:
 - ▲ Always wear a mask
 - ▲ Maintain 2m distance
 - ▲ Use instrumental versions of songs, rather than singing
 - ▲ Do not share food or have group meals
- In order to ensure that people have safe vacations in the upcoming holiday season, KCDC asked that the following guidelines be kept:
 - If you have COVID-19 symptoms, such as fever, cough, and sore throat, postpone or cancel your vacation, go see a doctor, and get tested
 - People going on vacation should:
 - ▲ Only be in small groups or family units
 - ▲ Avoid closed and crowded places, or busy hours
 - ▲ Preferably use personal vehicles
 - During vacation:
 - ▲ Always wear a mask when indoors
 - ▲ Minimize your time spent in rest areas, restaurants, and cafes
 - ▲ Maintain 2m distance or more with others
- KCDC advised caution as water damage from the rainy season may also cause an increase of various waterborne and mosquito-borne infectious diseases.
 - Infectious diseases that mainly occur during the rainy season include:
 - Waterborne infectious diseases transmitted by food and drink, such as bacterial heterogeneity, typhoid fever, enterohemorrhagic *E. coli* or norovirus infectious disease
 - Malaria (in northern Gyeonggi area) and Japanese encephalitis, with increase in mosquitos
 - To prevent the major infectious diseases that occur in the rainy season, KCDC stressed that:
 - ▲ Food and drink should be thoroughly heated before consumption
 - ▲ Cooked food should not be kept for long
 - ▲ Individual hygiene such as handwashing is very important



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[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 local clusters	Contacts of confirmed cases	Linked to imported cases			
Seoul	1,526	328	1,043	8	897	69	69	155	12	Nightclubs (139), Richway (119), Guro-gu call center (99), Yangcheon-gu sport facility (44), Seongsim Day Care Center (43), Manmin Central Church (41), SMR newly planted churches group (37), Wangsung church (30), Dong-an Church-PC Cafe (28), Coupang (24), Gangseo Central Daycare Center (12), Hanhwa life insurance (12), Gangnam-gu financial institution (8), Songpa Love Church (5), Pocheon military garrison (3) Gangnam office (Yoohwan DnC) (2), etc.
Busan	159	40	89	12	58	18	1	30	2	Onchun Church (39), Suyeong-gu kindergarten (5), Nightclubs (4), etc.
Daegu	6,937	56	6132	4,512	699	917	4	749	0	Second Mi-Ju Hospital (196), Hansarang Convalescent Hospital (124), Daesil Convalescent Hospital (101), Fatima Hospital (39), Daegu Acting Academy (10), Nightclubs (2), etc.
Incheon	380	78	289	2	268	11	8	13	3	Coupang (61), SMR newly planted churches group (57), Nightclubs (54), Richway (24), Guro-gu call center (19), Gyeyang-gu real estate agency family (12), SMR door-to-door sales gathering (8), Gangseo Central Day Care Center (5) etc.
Gwangju	200	24	171	9	146	10	6	5	9	Gwangju door-to-door sales (138), etc.
Daejeon	166	19	124	2	100	22	0	23	0	Door-to-door sales in Daejeon (56), The Joeun Clinic (18), etc.
Ulsan	57	23	27	16	4	3	4	7	0	
Sejong	50	5	44	1	40	3	0	1	0	Ministry of Oceans and Fisheries (31), gym facilities (8)



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Gyeonggi	1,479	379	996	29	832	70	65	104	28	Grace River Church (67), Coupang (67), Nightclubs (59), Richway (58), Uijeongbu St. Mary's Hospital (50), Guro-gu call center-Bucheon SaengMyeongSu Church (50), SMR door-to-door sales (32), Yangcheon-gu sport facility (28), SMR Newly planted churches group (25), Lord Glory Church (25), Anyang-Gunpo pastors group (22), Uijeongbu Apartment (22), Lotte Confectionery logistics center (15), Pocheon military garrison (14) , Wangsung Church (10), Gangnam office (YooHwan DnC) (9) , Seongnam neighbors gathering (7), etc.
Gangwon	72	21	44	17	26	0	1	7	0	Uijeongbu St. Mary's Hospital (10), Apartments in Wonju (4), Richway (4), Geumcheon-gu rice milling machine manufacturer (4), etc.
Chungbuk	72	16	45	6	29	8	2	11	0	Goesan-gun Jangyeon-myeon (11), Nightclubs (9), Guro-gu call center (2), etc.
Chungnam	187	28	147	0	142	4	1	12	0	Gym facilities in Cheonan (103), Daejeon door-to-door sales (15), Richway (3), etc.
Jeonbuk	39	21	13	1	12	0	0	5	0	Daejeon door-to-door sales (3), Nightclubs (2)
Jeonnam	35	18	14	1	10	2	1	3	0	Gwangju door-to-door sales (8), etc.
Gyeongbuk	1,395	26	1,236	566	478	192	0	133	0	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	156	46	90	32	50	6	2	20	0	Geochang Church (10), Wings Tower (9), Geochang Woongyang-myeon (8), Nightclubs (2), etc.
Jeju	26	15	7	0	6	0	1	4	0	Gwanak-gu office related (5), etc.
Ports of Entry	1,002	1,002	0	0	0	0	0	0	5	
Total	13,938 (%)	2,145 (15.3)	10,511 (75.5)	5,214 (37.6)	3,797 (27.1)	1,335 (9.6)	165 (1.2)	1,282 (9.2)	59	

* 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.



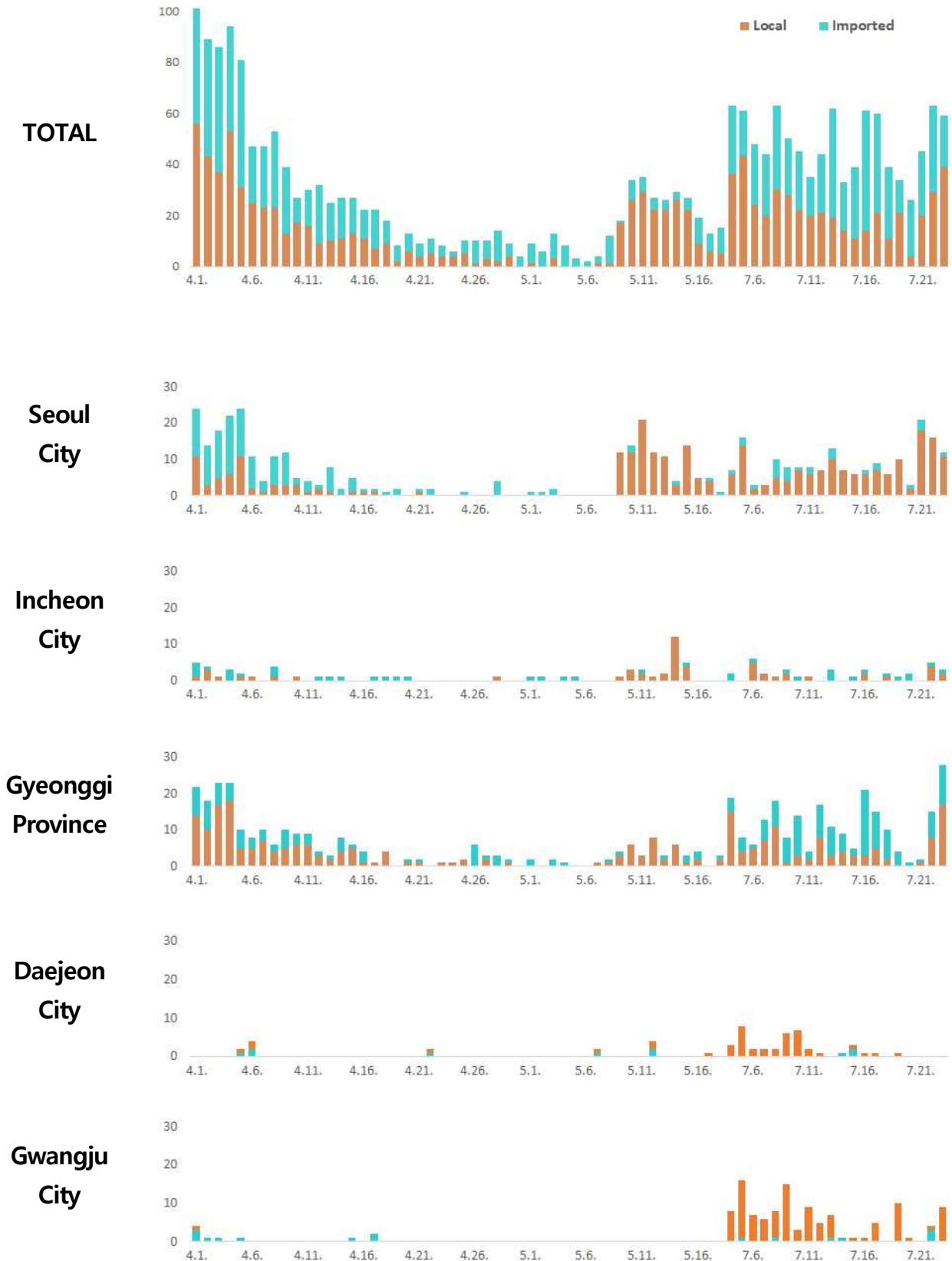
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[Figure 3: Daily new confirmed cases by chain of transmission]





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[Age distribution of severe cases]

	7.10	7.11	7.12	7.13	7.14	7.15	7.16	7.17	7.18	7.19	7.20	7.21	7.22	7.23
Total	22	20	19	20	17	17	16	16	19	19	19	21	21	18
Severe	8	7	8	8	4	6	6	4	7	7	8	9	11	6
Very severe	14	13	11	12	13	11	10	12	12	12	11	12	10	12

	Total	Severe	(%)	Very severe	(%)
Total	18	6	(100)	12	(100)
80 and above	2	0	(0.0)	2	(16.7)
70-79	9	4	(66.7)	5	(41.7)
60-69	6	2	(33.3)	4	(33.3)
50-59	0	0	(0.0)	0	(0.0)
40-49	1	0	(0.0)	1	(8.3)
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]

