



KCDC

Korea Centers for Disease Control & Prevention

# Updates on COVID-19 in Republic of Korea

17 July 2020

- As of 0:00, 17 July 2020, the total number of confirmed cases is 13,672 (including 2,005 imported cases), of which 12,460 cases have been discharged from isolation. There are 21 new local cases, 39 new imported cases, and 2 new deaths.

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 16 July (Thurs)	1,441,348	13,612	12,396	925	291	23,404	1,404,332
<b>As of 0:00 17 July (Fri)</b>	1,451,017	13,672	12,460	919	293	23,110	1,414,235
<b>Difference</b>	(+)9,669	(+)60	(+)64	(-)6	(+)2	(-)294	(+)9,903

- The current state\* of major local clusters as of today (as of 12:00, 17 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 an office in Gwanak-gu, Seoul City, 2 visitors (family and acquaintance) were additionally confirmed. In total, 13\* cases have been confirmed.
    - \* (Region) 8 Seoul, 3 Gyeonggi, 2 Jeonbuk
  - Related to door-to-door sales group in Gyeonggi and Seoul metropolitan region, 1 additional case (contact related to Wondang Catholic Church) was confirmed. In total, 42 cases have been confirmed.
    - \* 7 church members in Suwon, 10 related to door-to-door sales in apartments in Incheon, 3 related to door-to-door sales in the Gwanak-gu, 10 people at Happy-rang Healing Center in Gunpo, 12 related to Wondang Cathedral in Goyang
  - Related to Seoul Daehyo Convalescent Hospital, 1 additional case (guardian of inpatient) was confirmed. In total, 4 cases have been confirmed.
    - \* 189 people subject to testing, 182 tested negative, 7 are being tested
  - Related to Hanwha Life Insurance in Seoul City, 3 cases were additionally confirmed. In total, 8 cases have been confirmed.
    - \* 5 employees of Hanwha Life, 2 acquaintances, 1 family member
  - Related to door-to-door sales group in Gwangju City, 3 additional cases were confirmed. In total, 147 cases have been confirmed. The new cases are related to badminton club (2) and Hanwul Nursing Home (1).



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Category	Location	Index case confirmed	Number of related confirmed cases
Gwangneuksa Temple	Dong-gu, Gwangju City	27 June	14
Geumyang Building (officetel)	Dong-gu, Gwangju City	27 June	26
Tourist group		30 June	5
Gwangju Love Church	Buk-gu, Gwangju City	30 June	17
CCC Agape Silver Center	Dong-gu, Gwangju City	30 June	7
Hanwul Nursing Home	Buk-gu, Gwangju City	1 July	12 (+1)
Gwangju Ilgok Central Church	Buk-gu, Gwangju City	2 July	21
SM Sauna	Gwangsan-gu, Gwangju City	1 July	7
T WORLD (mobile phone store)	Buk-gu, Gwangju City	4 July	7
Gwangju Gosi Hagwon	Dong-gu, Gwangju City	8 July	17
Happy View Hospital	Buk-gu, Gwangju City	30 June	1
Badminton club	Buk-gu, Gwangju City	1 July	13 (+2)
<b>Total</b>			<b>147</b>

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

- As of 0:00, 17 July, there were 39 imported cases, of which, 25 were confirmed at the point of entry, and 14 were confirmed in the community while in mandatory self-quarantine after arrival.
- The (presumed) location of infection acquisition of the 39 new imported cases are: Americas (8) (8 from US), and Asia excluding China (31) (20 from Russia, 6 from Iraq, 3 from the Philippines, and 2 from Uzbekistan).

## [ Imported cases in Korea (as of 0:00, 17 July 2020) ]

	Total	Region/Country						Where confirmed		Nationality	
		China	Asia ex-China	Europe	Americas	Africa	Australia	Point of Entry	Community	Korean	Other
<b>New</b>	39	0	31	0	8	0	0	25	14	6	33
<b>Total</b>	2,005	19 (0.9%)	761 (38.0%)	510 (25.4%)	687 (34.3%)	27 (1.3%)	1 (0.0%)	931 (46.4%)	1074 (53.6%)	1,389 (69.3%)	616 (30.7%)

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

- From the Russia-flagged ship REGUL that entered Port of Busan on 26 June, 3 were confirmed on 16 July, and upon further testing of sailors on board, 14 were confirmed. In total, 17 have been confirmed to date. 5 cases (3 and 2 respectively) have also been confirmed from two Russia vessels that entered on 15 July and 16 July.

- Due to the rise in the number of confirmed cases from Russian vessels, starting 20 July, all



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ships from Russia entering Korean sea ports that require extensive contact with domestic ship-related workers will be required to have all sailors tested regardless of symptoms.

\* *Vessels that require little contact between sailors and Korean ship-related workers will be subject to diagnostic tests only for sailors who show symptoms, as before.*

□ KCDC shared recent real-life examples where proper mask wearing prevented further transmission and requested people to practice proper mask wearing in everyday life.

○ **(Why do I need to wear a mask?)** Mask wearing prevents my respiratory droplets (saliva droplets) from being spread to another person and protect me from exposure to other people's respiratory droplets. Mask wearing is the most effective COVID-19 prevention tool.

\* *Not wearing a mask increases the likelihood of infection by 5 times or more compared to wearing a mask (THE LANCET, 2020)*

- In following examples, further transmission was minimized thanks to correct mask wearing despite risky situations such as riding in a small car together with a confirmed case for a long period of time, 7-day hospital stay, and a church service attended by a confirmed case.

Place	Risk factor	Exposure	Lessons
<b>Car</b>	Riding together for over 1 hour in a small space	3 people riding in the same car	<ul style="list-style-type: none"> <li>Confirmed case and other people all wore masks</li> <li>=&gt; No transmission to people in the car</li> </ul>
<b>Hospital</b>	<ul style="list-style-type: none"> <li>7 day hospitalization</li> <li>Moved a wide range within hospital</li> <li>Frequent contact with healthcare staff</li> </ul>	56 people (17 healthcare staff, 32 patients)	<ul style="list-style-type: none"> <li>Confirmed case and most other inpatients did not wear mask properly most of the time</li> <li>Healthcare staff wore masks at all times</li> <li>=&gt; 4 patients tested positive; All 17 healthcare staff tested negative</li> </ul>
	Visited hospital for outpatient care 3 times (before testing positive), including exam rooms, pain clinics, and other places in hospital	13 people (13 healthcare staff)	<ul style="list-style-type: none"> <li>Confirmed case wore mask, practiced distancing</li> <li>Healthcare staff wore masks at all times</li> <li>=&gt; All 13 healthcare staff tested negative</li> </ul>
<b>Church</b>	Attended church service 3 times (before testing positive)	Around 9,000 church members	<ul style="list-style-type: none"> <li>All church members were required to wear masks</li> <li>Designated manager checked/monitored mask wearing frequently</li> <li>=&gt; No further transmission to other church members</li> </ul>



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- **(When should I wear a mask?)** Masks must be worn indoors where it is difficult to keep a distance of 2 m or more from other people.
  - Especially when using indoor facilities where you come into contact with multiple people (e.g. medical institutions, public transportation, religious facilities, schools, offices, restaurants, etc.),
  - People who have jobs related to caring for high-risk individuals such as caregivers for the elderly should make proper mask wearing an everyday habit.
  - According to a survey (source: Hankook Research weekly report) on public perception on mask wearing, people of all age groups believe that mask wearing is necessary when in public places such as public transportation, grocery stores, and PC cafes.
  - However, there was low awareness of the need for mask wearing in places such as restaurants, cafes, and bars, which are environments with high COVID-19 transmission risk.
  - Restaurants, cafes, bars/pubs, and offices/workplaces often make it difficult to keep a distance of 2 m or more, so mask wearing is essential in such places.
  - In restaurants, cafes, bars and pubs, masks should be worn while not eating, including when ordering and while waiting for food.
  
- **(When do I not need to wear a mask?)** Masks wearing is not necessary when in outdoor space where it is possible to stay 2 m or more away from other people, such as when walking, running, biking, and climbing outdoors in the streets, parks, mountains, and seas, and it is possible to maintain a distance of 2 m or more from others.
  - Infants under 24 months of age, and those who have difficulty breathing with a mask on do not have to wear a mask.
  
- **(How should I wear a mask?)** ▲Cover your mouth and nose completely, ▲The surface of the mask should not be touched as much as possible, and ▲Wash your hands before and after wearing a mask.
  - **When putting on a mask:** Completely cover the mouth and nose, with a snug fit so that there is no gap between the face and the mask
  - **After putting on a mask:** In order to prevent contamination through hands, do not touch the mask surface as much as possible, and take off the mask by the strings only
  - **Before and after wearing a mask:** Wash your hands thoroughly with soap under running water



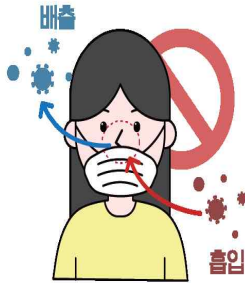
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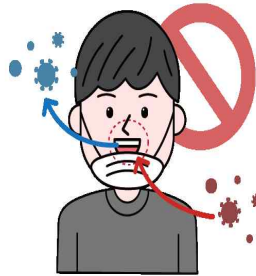
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for at least 30 seconds.



**(1) Wearing a mask with nose exposed**

**PROBLEM:**  
Respiratory droplets can enter nose



**(2) Wearing a mask over chin, with nose and mouth exposed**

**PROBLEM:**  
Respiratory droplets can enter through nose or mouth



**(3) Touching mask surface with hands**

**PROBLEM:**  
Respiratory droplet on the mask can be transferred to hand and then can enter mouth or nose

□ KCDC urged people to refrain from social gathering and to comply with the infection prevention guidelines during the weekend.

○ Cancel use non-face-to-face methods for religious events and small group gatherings

- If having on-site events, minimize on-site attendees, maintain 2m distancing, require mask wearing at all times, replace singing with instrumental music, and avoid group meals or small group meetings.

○ In addition, since COVID-19 transmissions can occur in any closed, crowded, and close-contact spaces, KCDC requests that people avoid publicly used facilities such as nightlife venues, singing rooms, and PC cafes.



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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	1,458	323	996	8	861	58	69	139	9	Nightclubs (139), Richway (121), 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), Dong-an Church-PC Cafe (28), Coupang (24), Wangsung Church (30), Gangnam Yeoksam-dong gathering (13), Daejeon door-to-door sales (8), Uijeongbu Apartment (10), Gangnam-gu financial institution (8), Lotte Midopa Gwanghwamun Building (3), <b>Gwanak-gu office (7), Hanwha Life Insurance (5)</b> , etc.
Busan	156	37	89	12	58	18	1	30	0	Onchun Church (39), Suyeong-gu Kindergarten (5), Nightclubs (4), etc.
Daegu	6,929	49	6,131	4,511	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	367	72	282	2	262	10	8	13	0	Coupang (61), SMR newly planted churches group (57), Nightclubs (54), Richway (24), Guro-gu call center (19), Gyeong-gu real estate agency family (12), SMR door-to-door sales gathering (8), Car enthusiast group (4) etc.
Gwangju	176	21	150	9	130	5	6	5	5	<b>Gwangju door-to-door sales (132)</b>
Daejeon	165	19	123	2	97	24	0	23	1	Door-to-door sales in Daejeon (56), The Joeun Clinic (18), etc.
Ulsan	56	23	26	16	4	3	3	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	1,419	348	969	29	805	71	64	102	15	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 sport facility (28). SMR Newly planted churches group (25), Lord Glory Church (25), Anyang-Gunpo pastors group (22), Uijeongbu Apartment (22), SMR door-to-door sales (28), Lotte Confectionery logistics center (15), Wangsung Church (10), Seongnam neighbors gathering (7), Gangnam Yeoksam-dong gathering (5) etc.
Gangwon	72	21	43	17	26	0	0	8	0	Uijeongbu St. Mary's Hospital (10), Apartments in Wonju (4), Richway (4), Geumcheon-gu rice milling machine manufacturer (4), etc.
Chungbuk	71	15	45	6	29	8	2	11	0	Goesan-gun Jangyeon-myeon (11), Nightclubs (9), Guro-gu call center (2), etc.
Chungnam	185	26	147	0	142	4	1	12	0	Gym facilities in Cheonan (103), Daejeon door-to-door sales (15), Richway (3), etc.
Jeonbuk	38	20	13	1	12	0	0	5	0	Daejeon door-to-door sales (3), Nightclubs (2)
Jeonnam	32	16	13	1	9	2	1	3	0	Gwangju door-to-door sales (8)
Gyeongbuk	1,393	24	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	151	41	90	32	50	6	2	20	2	Geochang Church (10), Wings Tower (9), Geochang Woongyang-myeon (8), Nightclubs (2), etc.
Jeju	23	14	5	0	1	3	1	4	3	
Ports of Entry	931	931	0	0	0	0	0	0	25	
Total	13,672 (%)	2,005 (14.7)	10,402 (76.1)	5,213 (38.1)	3,703 (27.1)	1,324 (9.7)	162 (1.2)	1,265 (9.3)	60	

\* 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.



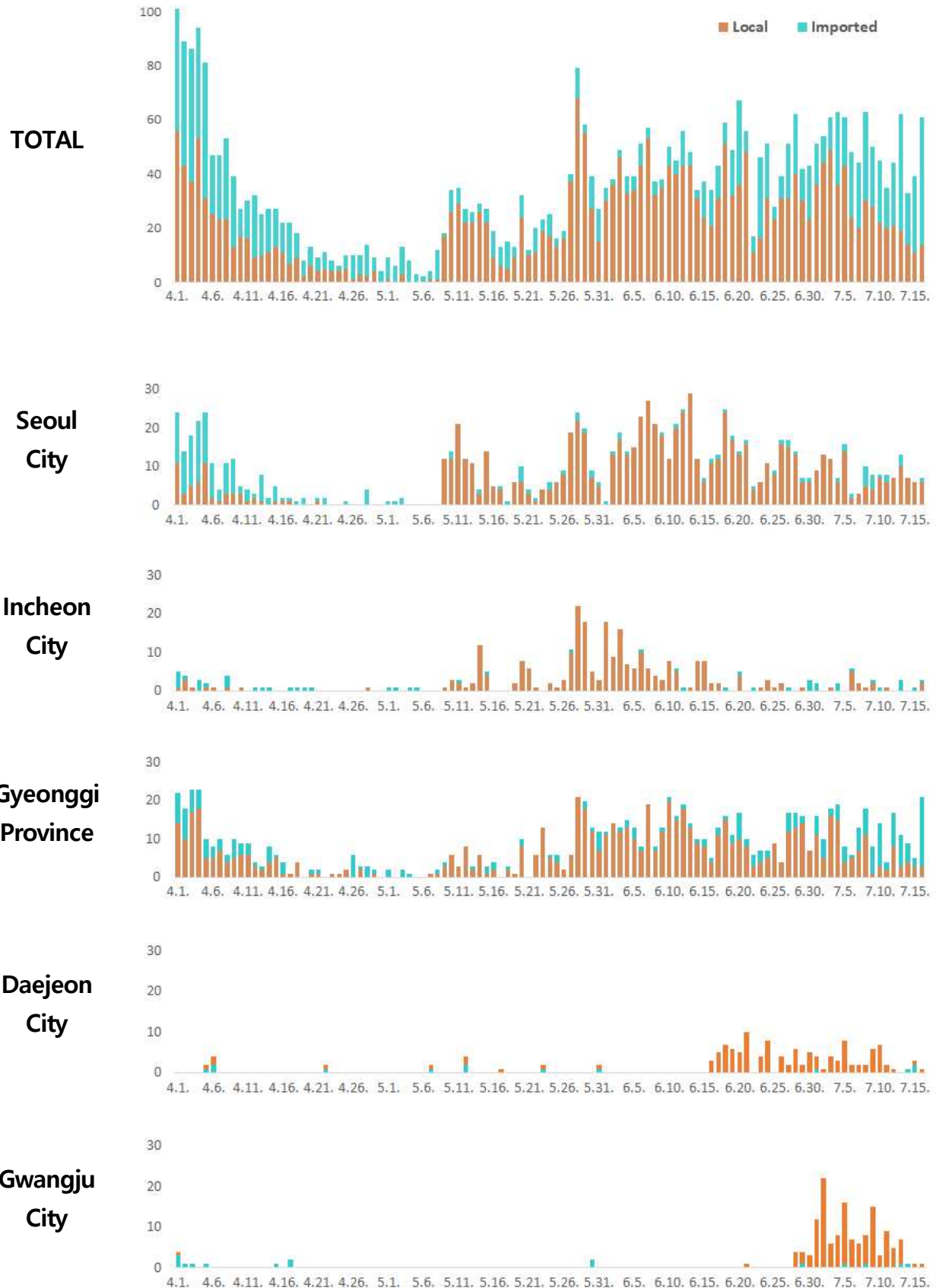
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[Figure 3: Daily new confirmed cases by chain of transmission]







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[ Age distribution of severe cases ]

	7.4	7.5	7.6	7.7	7.8	7.9	7.10	7.11	7.12	7.13	7.14	7.15	7.16	7.17
<b>Total</b>	30	32	32	36	31	26	22	20	19	20	17	17	16	16
<b>Severe</b>	11	11	11	12	9	7	8	7	8	8	4	6	6	4
<b>Very severe</b>	19	21	21	24	22	19	14	13	11	12	13	11	10	12

	Total	Severe	( % )	Very severe	( % )
Total	16	4	( 100 )	12	( 100 )
80 and above	3	1	( 25.0 )	2	( 16.7 )
70-79	7	2	( 50.0 )	5	( 41.7 )
60-69	3	0	( 0.0 )	3	( 25.0 )
50-59	3	1	( 25.0 )	2	( 16.7 )
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]

