



KDCA

Korea Disease Control and Prevention Agency

Updates on COVID-19 in Republic of Korea

8 October 2020

□ As of 0:00, 8 October 2020, the total number of confirmed cases is 24,422 (including 3,334 imported cases), of which 22,463 cases have been discharged from isolation. There are 60 new local cases, 9 new imported cases, and 2 new deaths.

Local transmission cases, as of 0:00, 8 October (cumulative since 3 January 2020)

	Total	City							
		Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong
New	60	19	5	0	5	0	7	0	0
Cumulative	21,088	5,040	422	7,053	855	440	342	117	61
	Total	Province							
		Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam
New	22	0	0	0	0	0	1	1	0
Cumulative	3,987	198	141	426	106	134	1,510	217	39

Imported cases, as of 0:00, 8 October (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	9	0	5	1	3	0	0	3	6	2	7
Total	3,334	24 (0.7%)	1,655 (49.7%)	595 (17.9%)	955 (28.6%)	90 (2.7%)	15 (0.4%)	1,563 (46.9%)	1,771 (53.1%)	1,996 (59.9%)	1,338 (40.1%)

※ Asia excluding China: Philippines 1, Indonesia 3, Myanmar 1 / Europe: Poland 1 / America: US 3

Case status, as of 0:00, 8 October (cumulative since 3 January 2020)

	Discharged from isolation	Under isolation	Severe/critical cases	Deceased
As of 0:00 7 October (Wed)	22,334	1,594	102	425
As of 0:00 8 October (Thur)	22,463	1,532	97	427
Difference	(+)129	(-)62	(-)5	(+)2

* Based on case data reported to the KDCA

** Critical: patients treated with mechanical ventilator, ECMO (Extracorporeal Membrane Oxygenation), CRRT (Continuous Renal Replacement Therapy) / Severe: patients treated with oxygen mask and high flow of oxygen therapy

※ Figures subject to correction based on findings from epidemiological investigations

Overall case and test status, as of 0:00, 8 October (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 7 October (Wed)	2,378,073	24,353	22,334	1,594	425	22,138	2,331,582
As of 0:00 8 October (Thur)	2,388,844	24,422	22,463	1,532	427	20,978	2,343,444
Difference	+10,771	+69	+129	-62	+2	-1,160	+11,862

* 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

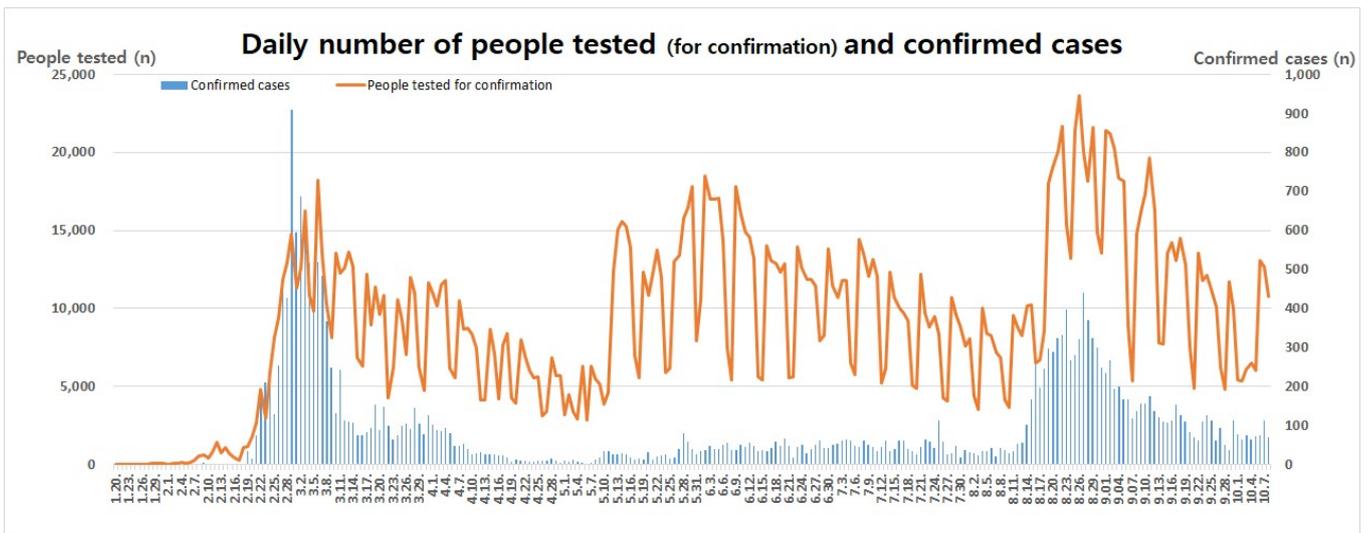


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Regional distribution of cases, as of 0:00, 8 October (cumulative since 3 January 2020)

Region	New cases		Total cases	(%)	Incidence rate* (per 100,000)
	Local	Imported			
Seoul	19	1	5,463	(22.37)	56.13
Busan	5	0	473	(1.94)	13.86
Daegu	0	0	7,137	(29.22)	292.92
Incheon	5	0	956	(3.91)	32.34
Gwangju	0	0	496	(2.03)	34.05
Daejeon	7	0	377	(1.54)	25.57
Ulsan	0	0	154	(0.63)	13.43
Sejong	0	0	78	(0.32)	22.79
Gyeonggi	22	2	4,589	(18.79)	34.63
Gangwon	0	0	224	(0.92)	14.54
Chungbuk	0	1	177	(0.72)	11.07
Chungnam	0	0	491	(2.01)	23.13
Jeonbuk	0	0	149	(0.61)	8.20
Jeonnam	0	0	173	(0.71)	9.28
Gyeongbuk	1	0	1,568	(6.42)	58.89
Gyeongnam	1	2	295	(1.21)	8.78
Jeju	0	0	59	(0.24)	8.80
Border Screening	0	3	1,563	(6.40)	-
Total	60	9	24,422	(100)	47.10

* 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



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Major local clusters as of 12:00 today (8 October 2020)

Cluster	Location	New cases	Total cases	Note
Dana Mental Hospital	Seoul	1	51	Patients (49) including index case Hospital staff (2)
Family gathering	Gyeonggi Province	5	6	First case confirmed on October 6
Family in Goyang-si	Gyeonggi Province	6	7	Residents of the same household (7)
Master Plus Hospital	Gyeonggi Province	6	36	Patients (17) including index case Healthcare workers (3) Family/caregivers/care workers (16)
Family / social gathering	Daejeon	11	12	Family (3) including index case Friends (2) Friend's family (7)
Social gathering / healthcare facilities	Busan	2	13	Household (2) including index case Social gathering (5) ON Hospital (3) ENT clinic (3)

* 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

- KDCA stressed the importance of hand hygiene for the prevention of respiratory infectious diseases such as COVID-19 and influenza.
- Respiratory viral infection usually occurs when respiratory organs or mucous membrane are exposed to respiratory droplets carrying the virus through coughs or sneezes.
- Touching one's face with hands after touching a contaminated object can also allow infection to occur. This can often cause silent transmission since people tend to touch their faces unconsciously multiple times a day.
- A study done in 2019 found that children (aged 13 months – 6 years) and the elderly (aged 65 years or above) touched their faces 45.4 times and 22.1 times on average per hour, respectively.

	Ages 13 mo – 6 yr	Ages 65 or above
Total	45.4	22.1
Eyes	4.9	1.8
Nose	10.2	4.7
Mouth	12.7	2.9
Ears	2.2	0.9
Head	7.3	3.6
Forehead	1.1	0.8
Chin	2.5	4.3
Cheek	4.5	3.1

- An infected person without a mask sneezes or coughing into their hands and touching frequently touched objects such as door knobs can transmit the virus to a large number of people.
- Good hand washing and hand hygiene habit is important to prevention of respiratory infection.



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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	Related to imported cases				
Seoul	5,463	423	3,022	8	2,941	73	1,030	988	20	Past large clusters: • Sarang Jeil Church (1174) • Aug 15 Seoul rallies (647) • Nightclubs (277) • Richway (210) • Guro-gu call center (170) • Coupang fulfillment center (152) • Gwangju door-to-door sales (150) • Fitness/sport facility in Cheonan (123) • Newly planted churches group (119) Recent clusters: • Dana Mental Hospital • Master Plus Hospital • Yemaru Day Care Center • LG Twin Tower • Love Tree Preschool • Family in Goyang-si • Family gathering in Hwaseong-si • Daewoo Dioville Plus (Gangnam-gu) • Severance Hospital • Bakaewon (mental health care facility) • Military garrison in Pocheon-si • Elderly day care center in Icheon-si • Office in Iksan-si
Busan	473	51	316	12	249	55	49	57	5	
Daegu	7,137	84	5,369	4,512	853	4	935	749	0	
Incheon	956	101	622	2	612	8	127	106	5	
Gwangju	496	56	377	9	362	6	34	29	0	
Daejeon	377	35	207	2	205	0	91	44	7	
Ulsan	154	37	83	16	63	4	21	13	0	
Sejong	78	17	47	1	45	1	10	4	0	
Gyeonggi	4,589	602	2,645	29	2,550	66	744	598	24	
Gangwon	224	26	132	17	114	1	39	27	0	
Chungbuk	177	36	88	6	75	7	28	25	1	
Chungnam	491	65	299	0	298	1	75	52	0	
Jeonbuk	149	43	67	1	66	0	24	15	0	
Jeonnam	173	39	104	1	101	2	22	8	0	
Gyeongbuk	1,568	58	1,163	566	597	0	202	145	1	
Gyeongnam	295	78	173	32	138	3	21	23	3	
Jeju	59	20	13	0	12	1	20	6	0	
Ports of Entry	1,563	1,563	0	0	0	0	0	0	3	
Total	24,422 (%)	3,334 (13.7)	14,727 (60.3)	5,214 (21.3)	9,281 (38.0)	232 (0.9)	3,472 (14.2)	2,889 (11.8)	69	

* Includes contacts of confirmed cases

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



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AGE DISTRIBUTION OF SEVERE CASES

	9.25	9.26	9.27	9.28	9.29	9.30	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8
Total	128	122	124	120	115	109	107	107	104	105	107	105	102	97
Severe	58	56	58	57	52	53	54	52	52	54	56	52	51	45
Very severe	70	66	66	63	63	56	53	55	52	51	51	53	51	52

	Total	Severe	(%)	Critical	(%)
Total	97	45	(100.0)	52	(100.0)
80 and above	24	15	(33.3)	9	(17.3)
70-79	36	10	(22.2)	26	(50.0)
60-69	27	14	(31.1)	13	(25.0)
50-59	7	4	(8.9)	3	(5.8)
40-49	3	2	(4.4)	1	(1.9)
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)

* Critical: patients treated with mechanical ventilator, ECMO (Extracorporeal Membrane Oxygenation), CRRT (Continuous Renal Replacement Therapy)

* Severe: patients treated with oxygen mask and high flow oxygen 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.



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Confirmed cases by gender and age group

		New cases (%)	Total cases (%)	Incidence rate* (per 100,000)
Total		69 (100)	24,422 (100)	47.10
Sex	Male	39 (56.52)	11,321 (46.36)	43.77
	Female	30 (43.48)	13,101 (53.64)	50.42
Age	80 or above	3 (4.35)	1,002 (4.10)	52.76
	70-79	10 (14.49)	1,974 (8.08)	54.73
	60-69	11 (15.94)	3,901 (15.97)	61.49
	50-59	12 (17.39)	4,527 (18.54)	52.23
	40-49	9 (13.04)	3,251 (13.31)	38.75
	30-39	7 (10.14)	2,986 (12.23)	42.38
	20-29	6 (8.70)	4,842 (19.83)	71.14
	10-19	5 (7.25)	1,339 (5.48)	27.10
	0-9	6 (8.70)	600 (2.46)	14.46

* 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)

Deaths by gender and age group

		New deaths (%)	Total deaths (%)	Case fatality rate (%)
Total		2 (100)	427 (100)	1.75
Sex	Male	2 (100)	229 (53.63)	2.02
	Female	0 (0.00)	198 (46.37)	1.51
Age	80 or above	1 (50.00)	214 (50.12)	21.36
	70-79	0 (0.00)	141 (33.02)	7.14
	60-69	0 (0.00)	46 (10.77)	1.18
	50-59	1 (50.00)	20 (4.68)	0.44
	40-49	0 (0.00)	4 (0.94)	0.12
	30-39	0 (0.00)	2 (0.47)	0.07
	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



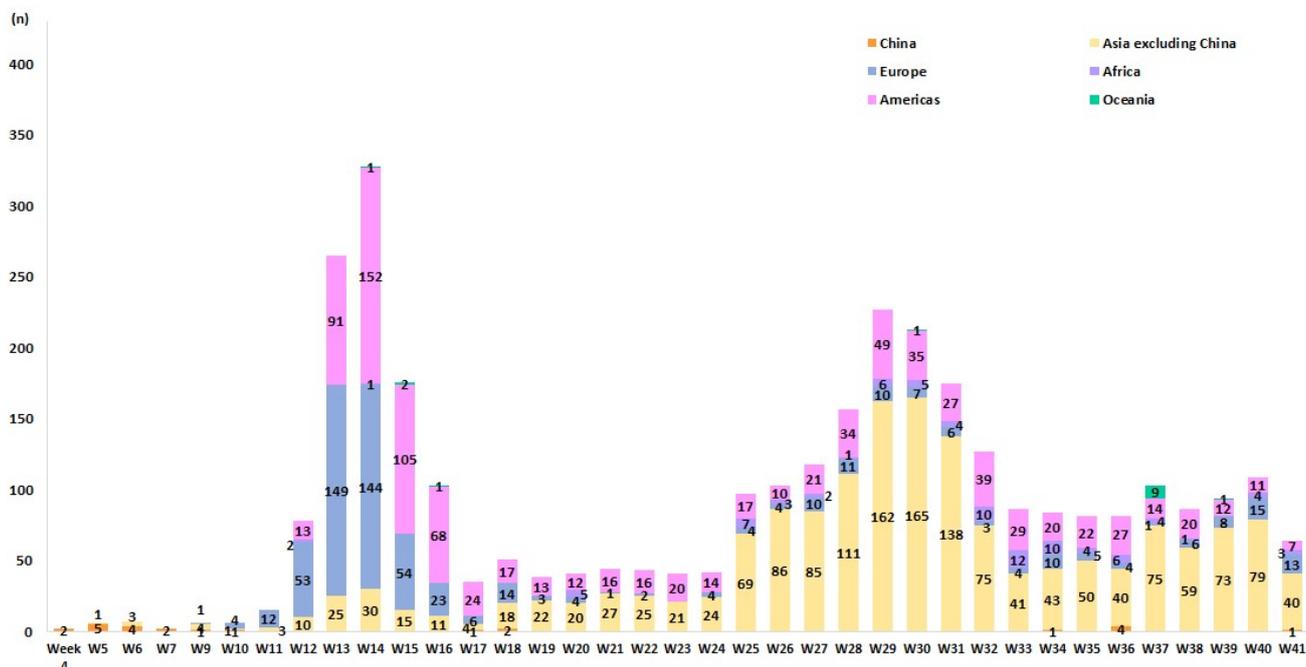
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IMPORTED CASES



NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION

