



KDCA

Korea Disease Control and Prevention Agency

# Updates on COVID-19 in Republic of Korea

12 October 2020

□ As of 0:00, 12 October 2020, the total number of confirmed cases is 24,703 (including 3,402 imported cases), of which 22,728 cases have been discharged from isolation. There are 69 new local cases, 29 new imported cases, and 1 new death.

## Local transmission cases, as of 0:00, 12 October (cumulative since 3 January 2020)

	Total	City							
		Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong
<b>New</b>	69*	29	3	0	3	1	13	0	0
<b>Cumulative</b>	21,301	5,128	436	7,053	867	441	363	117	61

	Total	Province							
		Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam
<b>New</b>	17*	1	0	0	1	0	0	1	0
<b>Cumulative</b>	4,054	201	142	428	107	136	1,510	218	39

\* Figure corrected by local government

## Imported cases, as of 0:00, 12 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
<b>New</b>	29	0	25	1	2	1	0	9	20	5	24
<b>Total</b>	3,402	24 (13.8%)	1,699 (0.7%)	604 (49.9%)	967 (17.9%)	93 (28.4%)	15 (2.7%)	1,586 (0.4%)	1,816 (46.6%)	2,017 (53.4%)	1,385 (59.3%)

※ Asia excluding China: Uzbekistan 3, Pakistan 1, Kazakhstan 1, Philippines 2, India 4, Indonesia 1, Nepal 13  
 Europe: Turkey 1 / America: US 2 / Africa: Algeria 1

## Case status, as of 0:00, 12 October (cumulative since 3 January 2020)

	Discharged from isolation	Under isolation	Severe/critical cases	Deceased
As of 0:00 11 October (Sun)	22,692	1,481	89	432
<b>As of 0:00 12 October (Mon)</b>	22,728	1,542	87	433
<b>Difference</b>	(+)36	(+)61	(-)2	(+)1

\* 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, 12 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 11 October (Sun)	2,410,483	24,605***	22,692	1,481	432	19,303	2,366,575
<b>As of 0:00 12 October (Mon)</b>	2,415,610	24,703	22,728	1,542	433	19,192	2,371,715
<b>Difference</b>	+5,127	+98	+36	+61	+1	-111	+5,140

\* 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

\*\*\* Figure corrected by local government

※ Figures subject to correction based on findings from epidemiological investigations

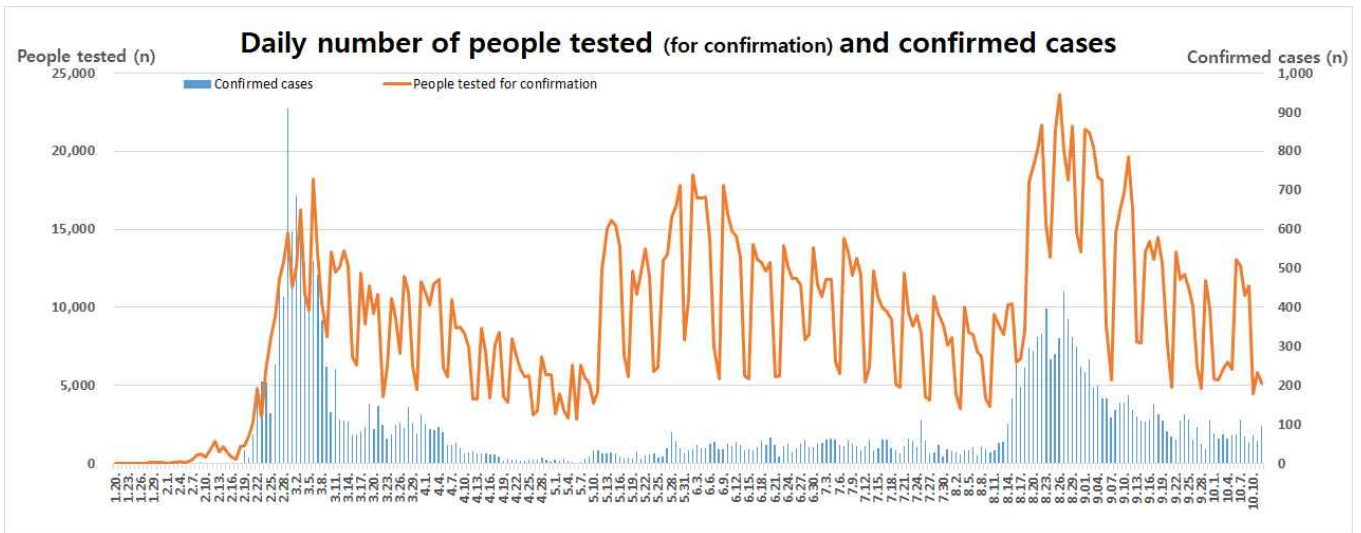


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## Regional distribution of cases, as of 0:00, 12 October (cumulative since 3 January 2020)

Region	New cases		Total cases	(%)	Incidence rate* (per 100,000)
	Local	Imported			
Seoul	29	2	5,564	(22.52)	57.16
Busan	3	1	488	(1.98)	14.30
Daegu	0	0	7,140	(28.90)	293.04
Incheon	3	0	968	(3.92)	32.75
Gwangju	1	0	497	(2.01)	34.12
Daejeon	13	0	398	(1.61)	27.00
Ulsan	0	0	155	(0.63)	13.51
Sejong	0	0	78	(0.32)	22.79
Gyeonggi	17	13	4,675	(18.92)	35.28
Gangwon	1	0	227	(0.92)	14.74
Chungbuk	0	0	178	(0.72)	11.13
Chungnam	0	2	497	(2.01)	23.42
Jeonbuk	1	1	151	(0.61)	8.31
Jeonnam	0	0	176	(0.71)	9.44
Gyeongbuk	0	1	1,569	(6.35)	58.93
Gyeongnam	1	0	297	(1.20)	8.84
Jeju	0	0	59	(0.24)	8.80
Border Screening	0	9	1,586	(6.42)	-
<b>Total</b>	<b>69</b>	<b>29</b>	<b>24,703</b>	<b>(100)</b>	<b>47.65</b>

\* 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 (12 October 2020)

Cluster	Location	New cases	Total cases	Note
Funeral in Seodaemun-gu	Seoul	10	11	Family (4) including index case / Guests (7) Transmission presumably through funeral (28-30 September)
Social gathering in Dongducheon-si	Gyeonggi Province	7	15	Participants (5) including index case Participant's family (2) / Friend (8)
Sports Island in Suwon-si	Gyeonggi Province	5	6	Visitors (5) including index case / Family (1)
Family gathering in Yuseong-gu	Daejeon	13	14	Family (7) including index case Preschool staff (4) / Preschool children (3) Transmission presumably through family gathering and then through grandchild attending preschool
Pyeonggang Clinic	Busan	1	15	Outpatient visitors (8) / Staff (3) Outpatient's friends/family (4) including index case
Social gathering / healthcare facilities	Busan	1	15	Household (2) including index case Social gathering (5) / ON Hospital (4) ENT clinic (4)

\* 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 38 (9.13.~9.19.)	Week 39 (9.20.~9.26.)	Week 40 (9.27.~10.3.)	Week 41 (10.4.~10.10.)
Daily average new confirmed cases (n)	Local	107.4	75.6	57.4
	Imported	12.3	13.4	15.6
	<b>Total</b>	<b>119.7</b>	<b>89.0</b>	<b>73.0</b>
Transmission chain under investigation, %(n)	19.3(162/838)	17.8 (111/623)	16.8 (86/511)	<b>21.1 (110/521)</b>
Percent of new cases under management (i.e. confirmed while under home quarantine) (%)	Under 80%	Under 80%	Under 80%	<b>Under 80%</b>
New clusters	20	16 (+1 reclassified)	13 (+8 reclassified)	<b>9</b>
Weekly average severe/critical cases (n)	156	135	112	<b>100</b>
Weekly deaths (n)	23	21	21	<b>10</b>

- KDCA is considering preemptive mass testing of all staff and users of high-risk facilities (such as elderly care facilities and mental health facilities) in areas with high number of cases.
- With the social distancing level downgraded to Social Distancing Level 1 (effective 12 October), KDCA requests the public to remain vigilant and continue to follow infection prevention guidelines.
- In light of the change of seasons, KDCA stressed the importance of personal hygiene in preventing respiratory viral infections such as COVID-19 and influenza.
  - In light of the annual flu season, KDCA will share its findings from influenza surveillance.
  - Free influenza vaccination for eligible groups will begin on 13 October.



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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	5,564	436	3,048	8	2,967	73	1,083	997	31	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: • Master Plus Hospital • Social gathering / healthcare facility in Busan • Seoul Mapo-gu high school • Sport Island (Suwon-si) • Dana Mental Hospital • Military garrison in Gyeonggi Province • Somang Community Nursing Home • Family and social gatherings in Daejeon • Military garrison in Pyeongyang Clinic in Busan • Injection visits in Busan • Family in Jeongeup-si • Love Tree Preschool • Door-to-door sales in Yeongdeungpo-gu • LG Twin Tower in Yeongdeungpo-gu
Busan	488	52	331	12	264	55	51	54	4	
Daegu	7,140	87	5,369	4,512	853	4	935	749	0	
Incheon	968	101	624	2	614	8	135	108	3	
Gwangju	497	56	377	9	362	6	34	30	1	
Daejeon	398	35	227	2	225	0	91	45	13	
Ulsan	155	38	83	16	63	4	21	13	0	
Sejong	78	17	47	1	45	1	10	4	0	
Gyeonggi	4,675	621	2,677	29	2,582	66	763	614	29	
Gangwon	227	26	132	17	114	1	41	28	1	
Chungbuk	178	36	88	6	75	7	29	25	0	
Chungnam	497	69	300	0	299	1	76	52	2	
Jeonbuk	151	44	67	1	66	0	24	16	2	
Jeonnam	176	40	104	1	101	2	23	9	0	
Gyeongbuk	1,569	59	1,170	566	604	0	200	140	1	
Gyeongnam	297	79	174	32	139	3	21	23	1	
Jeju	59	20	13	0	12	1	20	6	0	
Ports of Entry	1,586	1,586	0	0	0	0	0	0	9	
Total	24,703 (%)	3,402 (13.8)	14,831 (60.0)	5,214 (21.1)	9,385 (38.0)	232 (0.9)	3,557 (14.4)	2,913 (11.8)	97	

\* 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

	9.28	9.29	9.30	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	10.10	10.11
<b>Total</b>	<b>120</b>	<b>115</b>	<b>109</b>	<b>107</b>	<b>107</b>	<b>104</b>	<b>105</b>	<b>107</b>	<b>105</b>	<b>102</b>	<b>97</b>	<b>94</b>	<b>89</b>	<b>89</b>
<b>Severe</b>	57	52	53	54	52	52	54	56	52	51	45	42	41	42
<b>Very severe</b>	63	63	56	53	55	52	51	51	53	51	52	52	48	47

	Total	Severe	( % )	Critical	( % )
<b>Total</b>	<b>89</b>	<b>42</b>	<b>( 100.0 )</b>	<b>47</b>	<b>( 100.0 )</b>
80 and above	17	11	( 26.2 )	6	( 12.8 )
70-79	34	11	( 26.2 )	23	( 48.9 )
60-69	28	15	( 35.7 )	13	( 27.7 )
50-59	7	3	( 7.1 )	4	( 8.5 )
40-49	3	2	( 4.8 )	1	( 2.1 )
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		98 (100)	24,703 (100)	47.65
Sex	Male	56 (57.73)	11,479 (46.47)	44.38
	Female	42 (42.27)	13,224 (53.53)	50.89
Age	80 or above	2 (2.06)	1,013 (4.10)	53.34
	70-79	8 (8.25)	1,999 (8.09)	55.42
	60-69	12 (11.34)	3,950 (15.99)	62.26
	50-59	12 (12.37)	4,561 (18.46)	52.63
	40-49	16 (16.49)	3,287 (13.31)	39.18
	30-39	19 (19.59)	3,033 (12.28)	43.05
	20-29	19 (19.59)	4,891 (19.80)	71.86
	10-19	2 (2.06)	1,355 (5.49)	27.43
	0-9	8 (8.25)	614 (2.49)	14.80

\* 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		1 (100)	433 (100)	1.75
Sex	Male	0 (0.00)	231 (53.35)	2.01
	Female	1 (100)	202 (46.65)	1.53
Age	80 or above	0 (0.00)	218 (50.35)	21.52
	70-79	0 (0.00)	142 (32.79)	7.10
	60-69	1 (100)	47 (10.85)	1.19
	50-59	0 (0.00)	20 (4.62)	0.44
	40-49	0 (0.00)	4 (0.92)	0.12
	30-39	0 (0.00)	2 (0.46)	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



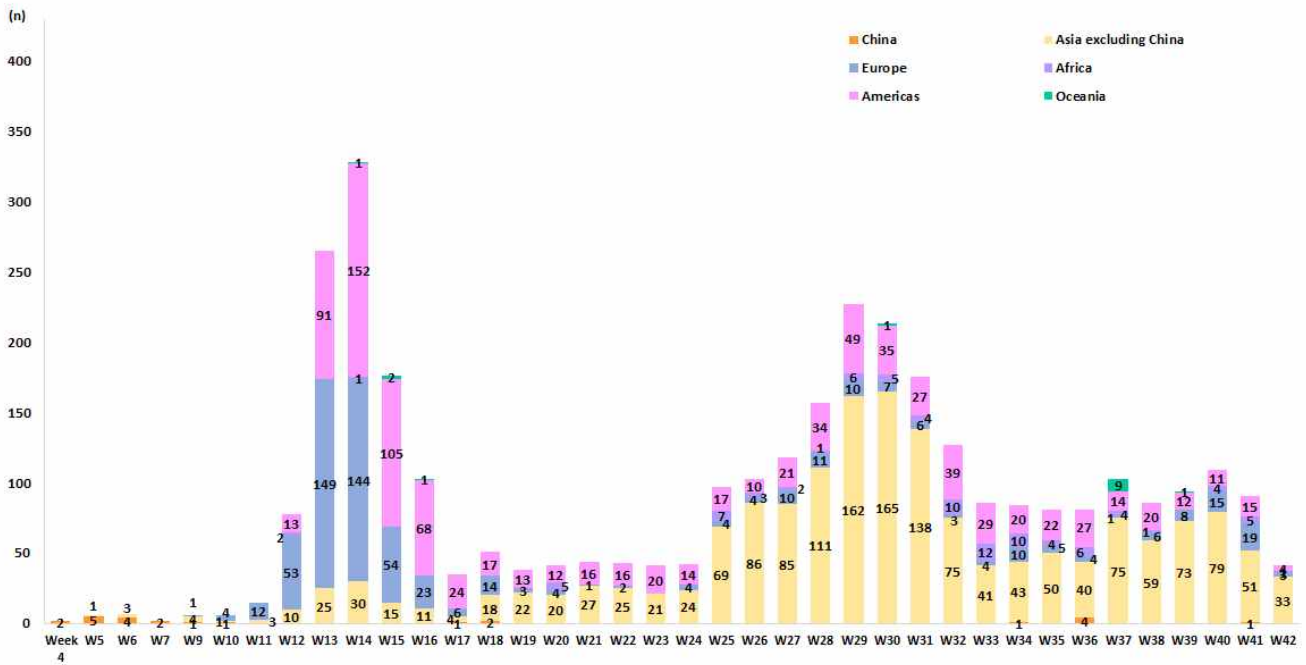
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## IMPORTED CASES



## NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION

