



KDCA

Korea Disease Control and Prevention Agency

Updates on COVID-19 in Republic of Korea

16 October 2020

□ As of 0:00, 16 October 2020, the total number of confirmed cases is 25,035 (including 3,476 imported cases), of which 23,180 cases have been discharged from isolation. There are 41 new local cases, 6 new imported cases, and 2 new deaths.

Local transmission cases, as of 0:00, 16 October (cumulative since 3 January 2020)

	Total	City							
		Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong
New	41	17	0	0	4	0	2	0	0
Cumulative	21,559	5,208	493	7,053	890	442	379	117	61
	Total	Province							
		Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam
New	15	0	0	1	2	0	0	0	0
Cumulative	4,122	206	143	432	110	136	1,510	218	39

Imported cases, as of 0:00, 16 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	6	0	3	1	2	0	0	3	3	1	5
Total	3,476	24 (0.7%)	1,740 (50.1%)	609 (17.5%)	994 (28.6%)	94 (2.7%)	15 (0.4%)	1,619 (46.6%)	1,857 (53.4%)	2,027 (58.3%)	1,449 (41.7%)

※ Asia excluding China: India 2, Nepal 1 / Europe: Czechia 1 / America: US 2

Case status, as of 0:00, 16 October (cumulative since 3 January 2020)

	Discharged from isolation	Under isolation	Severe/critical cases	Deceased
As of 0:00 15 October (Thur)	23,082	1,467	82	439
As of 0:00 16 October (Fri)	23,180	1,414	85	441
Difference	(+)98	(-)53	(+)3	(+)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, 16 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 15 October (Thur)	2,450,739	24,988	23,082	1,467	439	18,262	2,407,489
As of 0:00 16 October (Fri)	2,459,426	25,035	23,180	1,414	441	17,355	2,417,036
Difference	+8,687	+47	+98	-53	+2	-907	+9,547

* 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

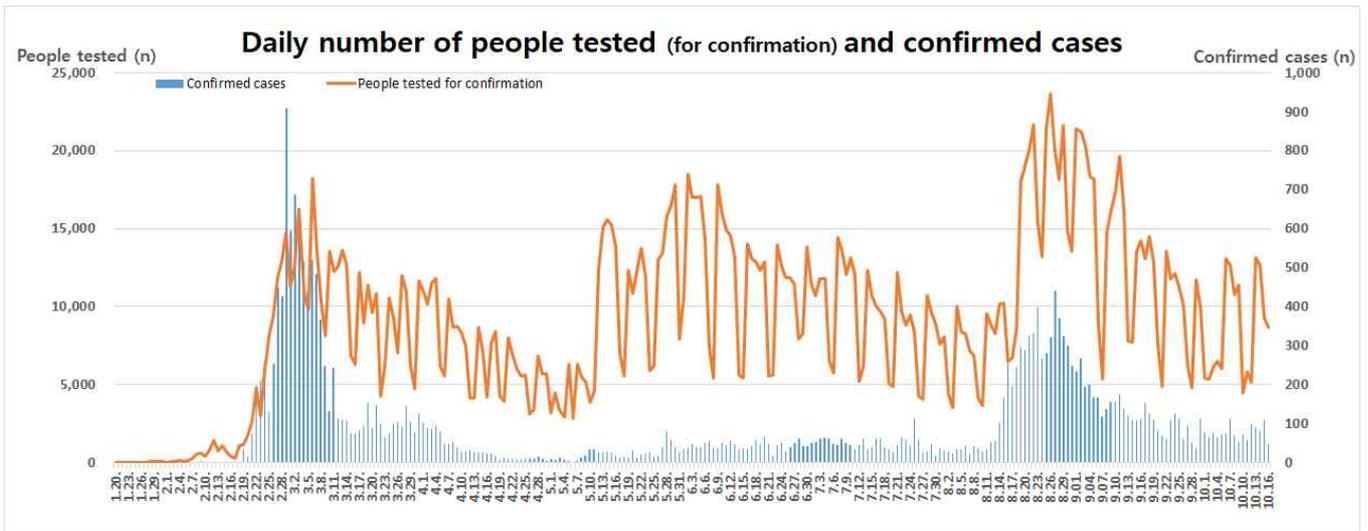


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Regional distribution of cases, as of 0:00, 16 October (cumulative since 3 January 2020)

Region	New cases		Total cases	(%)	Incidence rate* (per 100,000)
	Local	Imported			
Seoul	17	1	5,650	(22.57)	58.05
Busan	0	0	546	(2.18)	16.00
Daegu	0	0	7,141	(28.52)	293.09
Incheon	4	0	991	(3.96)	33.52
Gwangju	0	0	499	(1.99)	34.26
Daejeon	2	0	415	(1.66)	28.15
Ulsan	0	0	156	(0.62)	13.60
Sejong	0	0	78	(0.31)	22.79
Gyeonggi	15	2	4,769	(19.05)	35.99
Gangwon	0	0	232	(0.93)	15.06
Chungbuk	0	0	180	(0.72)	11.25
Chungnam	1	0	501	(2.00)	23.60
Jeonbuk	2	0	155	(0.62)	8.53
Jeonnam	0	0	176	(0.70)	9.44
Gyeongbuk	0	0	1,571	(6.28)	59.00
Gyeongnam	0	0	297	(1.19)	8.84
Jeju	0	0	59	(0.24)	8.80
Border Screening	0	3	1,619	(6.47)	-
Total	41	6	25,035	(100)	48.29

* 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 (16 October 2020)

Cluster	Location	New cases	Total cases	Note
Seongji Heights 3rd Officetels in Gangnam-gu	Seoul	4	5	The confirmed cases visited the officetel in early October
Emart Sangbong Branch	Seoul	6	7	Staff (4) including index cases Family (3)
Call center in Jung-gu (Center Place)	Seoul	4	5	Family (1) including index case Staff (4)
Proverbs Medical Devices	Seoul	1	8	Visitors (3) including index case Family (5)
KMGH Holdem Pub (casino bar)	Incheon	-	13	Staff (2) including index case Visitors (8) Family (3) Virus detected from 25.7% (9 of 35) of environmental samples (cards, table, chips, air conditioner filter, door knob, etc)
Master Plus Hospital	Gyeonggi Province	2	63	Patients (29) including index case Healthcare workers (6) Family/caregivers/care workers (27) Staff's family (1)
Social gathering in Dongducheon-si	Gyeonggi Province	2	27	Index case and family (8) Friends (7) Colleague (1) Others (11)
Chuseok family gathering in Yuseong-gu	Daejeon	1	30	Family (7) including index case Preschool staff (4) Preschool children (3) Preschool family (10) Religious activity (4) Workplace (1) Healthcare facility (1)
Haetteurak Convalescent Hospital	Busan	5	58	Patients (45) Healthcare workers (7) including index case Care workers (6)

* 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



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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	5,650	442	3,096	8	3,015	73	1,002	1,000	18	Past large clusters: • Sarang Jeil Church (1173) • 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 • Chuseok family gathering in Daejeon • Social gathering in Dongducheon-si • Family in Jeongeup-si • Daeji / Jukjeon High Schools • KMGM Holdem Pub • Dana Mental Hospital • Severance Hospital • Military garrison in North Gyeonggi • Somang Community Nursing Home • Social gathering / healthcare facility in Busan Jin-gu • Funeral in Seodaemun-gu • Military garrison in Yangju-si
Busan	546	53	386	12	319	55	51	56	0	
Daegu	7,141	88	5,369	4,512	853	4	935	749	0	
Incheon	991	101	648	2	638	8	129	113	4	
Gwangju	499	57	377	9	362	6	35	30	0	
Daejeon	415	36	247	2	245	0	86	46	2	
Ulsan	156	39	83	16	63	4	21	13	0	
Sejong	78	17	47	1	45	1	10	4	0	
Gyeonggi	4,769	647	2,718	29	2,623	66	781	623	17	
Gangwon	232	26	139	17	121	1	39	28	0	
Chungbuk	180	37	88	6	75	7	30	25	0	
Chungnam	501	69	304	0	303	1	75	53	1	
Jeonbuk	155	45	69	1	68	0	24	17	2	
Jeonnam	176	40	104	1	101	2	23	9	0	
Gyeongbuk	1,571	61	1,170	566	604	0	200	140	0	
Gyeongnam	297	79	174	32	139	3	21	23	0	
Jeju	59	20	13	0	12	1	20	6	0	
Ports of Entry	1,619	1,619	0	0	0	0	0	0	3	
Total	25,035 (%)	3,476 (13.9)	15,032 (60.0)	5,214 (20.8)	9,586 (38.3)	232 (0.9)	3,572 (14.3)	2,955 (11.8)	47	

* 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

	10.3	10.4	10.5	10.6	10.7	10.8	10.9	10.10	10.11	10.12	10.13	10.14	10.15	10.16
Total	104	105	107	105	102	97	94	89	89	87	91	85	82	85
Severe	52	54	56	52	51	45	42	41	42	41	41	37	35	39
Critical	52	51	51	53	51	52	52	48	47	46	50	48	47	46

	Total	Severe	(%)	Critical	(%)
Total	85	39	(100.0)	46	(100.0)
80 and above	15	8	(20.5)	7	(15.2)
70-79	33	14	(35.9)	19	(41.3)
60-69	30	14	(35.9)	16	(34.8)
50-59	4	1	(2.6)	3	(6.5)
40-49	3	2	(5.1)	1	(2.2)
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		47 (100)	25,035 (100)	48.29
Sex	Male	21 (44.68)	11,636 (46.48)	44.99
	Female	26 (55.32)	13,399 (53.52)	51.57
Age	80 or above	2 (4.26)	1,049 (4.19)	55.23
	70-79	2 (4.26)	2,021 (8.07)	56.03
	60-69	7 (14.89)	3,990 (15.94)	62.89
	50-59	8 (17.02)	4,596 (18.36)	53.03
	40-49	10 (21.28)	3,336 (13.33)	39.77
	30-39	9 (19.15)	3,079 (12.30)	43.70
	20-29	7 (14.89)	4,962 (19.82)	72.90
	10-19	2 (4.26)	1,374 (5.49)	27.81
	0-9	0 (0.00)	628 (2.51)	15.14

* 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)

** 11 Russian sailors have been excluded since they have not entered Korea as of 0:00 of 13 October

Deaths by gender and age group

		New deaths (%)	Total deaths (%)	Case fatality rate (%)
Total		2 (100)	441 (100)	1.76
Sex	Male	1 (50.00)	234 (53.06)	2.01
	Female	1 (50.00)	207 (46.94)	1.54
Age	80 or above	1 (50.00)	223 (50.57)	21.26
	70-79	1 (50.00)	144 (32.65)	7.13
	60-69	0 (0.00)	47 (10.66)	1.18
	50-59	0 (0.00)	21 (4.76)	0.46
	40-49	0 (0.00)	4 (0.91)	0.12
	30-39	0 (0.00)	2 (0.45)	0.06
	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



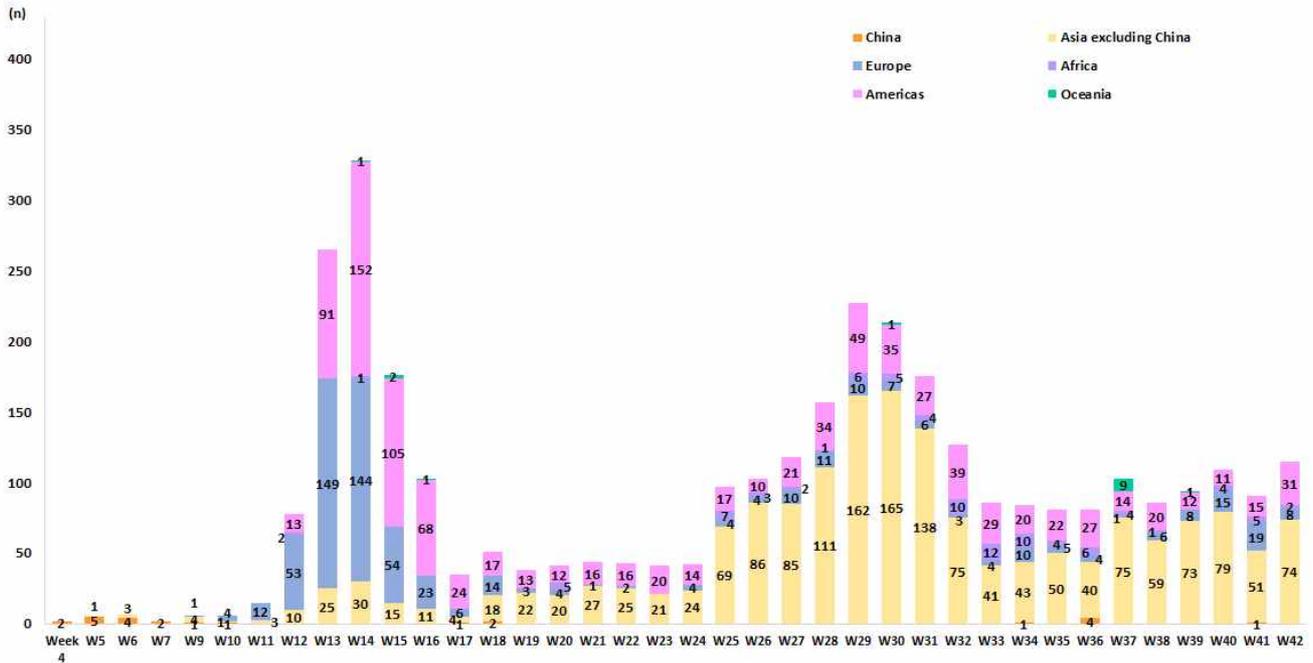
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IMPORTED CASES



NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION

