



KDCA

Korea Disease Control and Prevention Agency

Updates on COVID-19 in Republic of Korea

28 September 2020

□ As of 0:00, 28 September 2020, the total number of confirmed cases is 23,661 (including 3,193 imported cases), of which 21,292 cases have been discharged from isolation. There are 40 new local cases, 10 new imported cases, and 5 new deaths.

Local transmission cases, as of 0:00, 28 September (cumulative since 3 January 2020)

	Total	City							
		Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong
New	40	19	1	0	1	0	0	1	0
Cumulative	20,468	4,818	364	7,050	813	437	327	110	61
	Total	Province							
		Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam
New	13	1	1	0	0	0	3	0	0
Cumulative	3,772	198	138	418	87	133	1,487	216	39

Imported cases, as of 0:00, 28 September (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	10	0	8	1	1	0	0	7	3	7	3
Total	3,193	23 (0.7%)	1,562 (48.9%)	571 (17.9%)	939 (29.4%)	83 (2.6%)	15 (0.5%)	1,497 (46.9%)	1,696 (53.1%)	1,942 (60.8%)	1,251 (39.2%)

※ Asia excluding China: Uzbekistan 2, India 1, Indonesia 1, Nepal 1, Kuwait 1, Qatar 1, Malaysia 1
 Europe: Turkey 1 / Americas: Canada 1

Case status, as of 0:00, 28 September (cumulative since 3 January 2020)

	Discharged from isolation	Under isolation	Severe/critical cases	Deceased
As of 0:00 27 September (Sun)	21,248	1,962	124	401
As of 0:00 28 September (Mon)	21,292	1,963	120	406
Difference	(+)44	(+)1	(-)4	(+)5

* 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, 28 September (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 27 September (Sun)	2,296,517	23,611	21,248	1,962	401	18,878	2,254,028
As of 0:00 28 September (Mon)	2,301,303	23,661	21,292	1,963	406	18,587	2,259,055
Difference	+4,786	+50	+44	+1	+5	-291	+5,027

* 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

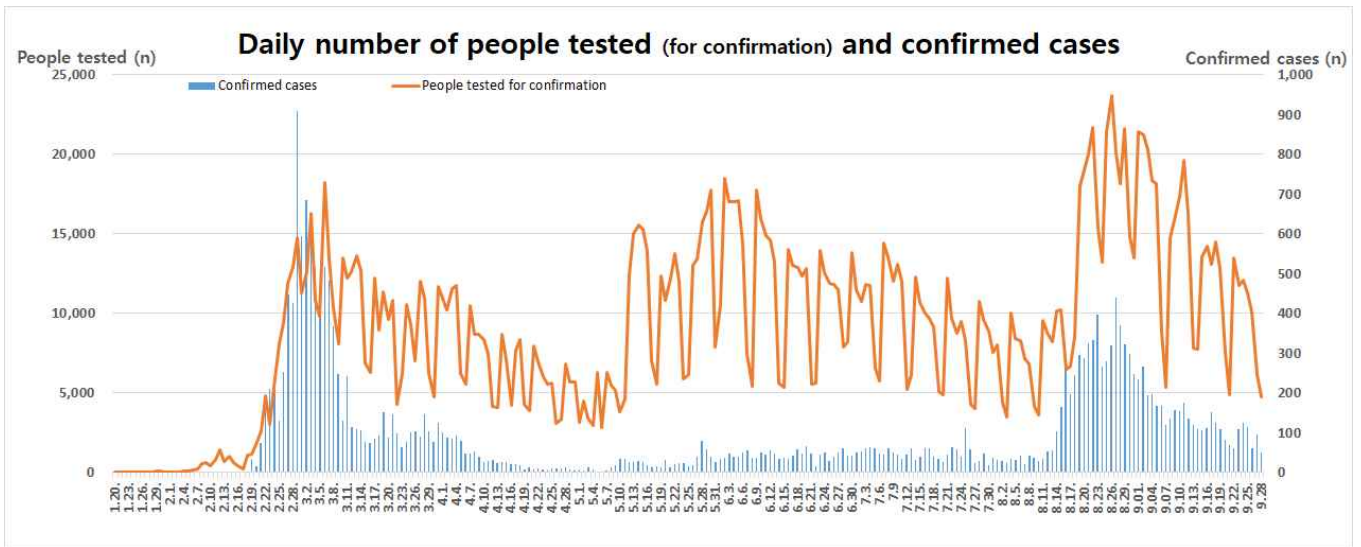


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Regional distribution of cases, as of 0:00, 28 September (cumulative since 3 January 2020)

Region	New cases		Total cases	(%)	Incidence rate* (per 100,000)
	Local	Imported			
Seoul	19	0	5,231	(22.11)	53.74
Busan	1	0	413	(1.75)	12.10
Daegu	0	0	7,130	(30.13)	292.63
Incheon	1	0	912	(3.85)	30.85
Gwangju	0	0	492	(2.08)	33.78
Daejeon	0	0	358	(1.51)	24.29
Ulsan	1	0	146	(0.62)	12.73
Sejong	0	0	76	(0.32)	22.20
Gyeonggi	13	1	4,348	(18.38)	32.81
Gangwon	1	0	224	(0.95)	14.54
Chungbuk	1	0	170	(0.72)	10.63
Chungnam	0	0	477	(2.02)	22.47
Jeonbuk	0	0	125	(0.53)	6.88
Jeonnam	0	0	169	(0.71)	9.06
Gyeongbuk	3	1	1,543	(6.52)	57.95
Gyeongnam	0	1	291	(1.23)	8.66
Jeju	0	0	59	(0.25)	8.80
Border Screening	0	7	1,497	(6.33)	-
Total	40	10	23,661	(100)	45.64

* 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 (28 September 2020)

Cluster	Location	New cases	Total cases	Note
Daewoo Deoville Plus	Seoul	4	52	Staff and guest (27) Family and friends (25)
Yemaru Day Care Center	Seoul	3	27	Facility users (9) including index case Staff (6) Family/friends (4) Sauna related (8)
Sammo Sporex Sauna	Seoul	5	29	Staff (7) Guests (10) Friends (12)
DY Development	Seoul	2	17	Staff (10) Visitors (1) Family (6)
Sindorim Station	Seoul	1	10	Staff (8) Family (2)
Bakaewon (mental health care facility)	Gyeonggi Province	2	41	Staff (3) Residents (37) Family (1)
Family gathering	Gyeonggi Province	5	7	
Elderly gathering	Gyeongbuk Province	3	11	Visitors (8) Family/friends (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

Weekly risk assessment indicators:

		8.30.~9.5.	9.6.~9.12.	9.13.~9.19.	9.20-9.26
Daily average new confirmed cases	Local	218.4	134.6	107.4	75.6
	Imported	11.6	14.7	12.3	13.4
	Total	230.0	149.3	119.7	89.0
Transmission chain under investigation, %(n)	Total	18.1 (292/1610)	22.7 (237/1045)	21.5 (180/838)	20.4 (127/623)
New clusters		25	18	20	8
Percent of new cases under management (i.e. confirmed while under home quarantine) (%)		Under 80%	Under 80%	Under 80%	Under 80%
Deaths		11	24	25	18

- KDCA requested the public to stay home and avoid traveling for the upcoming Chuseok holiday for the health and safety of loved ones.
- Surges in COVID-19 cases following a long holiday or vacation season was observed repeatedly in the past.
 - Since the elderly are at higher risk of developing severe illness if affected by COVID-19, KDCA encourages families to communicate with elderly parents this year through video chats instead of paying a visit in person.
 - Some screening clinics will remain open during the holidays. Check holiday hours of specific clinics in advance before visiting during holidays.



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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	5,231	413	2,884	8	2,804	72	958	976	19	Past large clusters: • Sarang Jeil Church (1168) • Aug 15 Seoul rallies (627) • Nightclubs (277) • Richway (208) • 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: • Bakaewon (mental health care facility) • Yemaru Day Care Center • Elderly gathering in Pohang • Sindorim Station • Severance Hospital • Sammosporex Sauna • Kia Motors • Bible study in Dongdaemun-gu • Woori Church in Songpa-gu • Saengmyeonggil Church • DY Development • Daewoo Dioville Plus • Health supplement seminar in Daejeon • Office in Iksan
Busan	413	49	268	12	201	55	49	47	1	
Daegu	7,130	80	5,369	4,512	853	4	933	748	0	
Incheon	912	99	611	2	601	8	106	96	1	
Gwangju	492	55	376	9	361	6	32	29	0	
Daejeon	358	31	174	2	172	0	110	43	0	
Ulsan	146	36	71	16	51	4	26	13	1	
Sejong	76	15	47	1	45	1	10	4	0	
Gyeonggi	4,348	576	2,432	29	2,337	66	733	607	14	
Gangwon	224	26	132	17	114	1	39	27	1	
Chungbuk	170	32	86	6	73	7	28	24	1	
Chungnam	477	59	291	0	290	1	75	52	0	
Jeonbuk	125	38	52	1	51	0	22	13	0	
Jeonnam	169	36	102	1	99	2	24	7	0	
Gyeongbuk	1,543	56	1,146	566	580	0	201	140	4	
Gyeongnam	291	75	172	32	137	3	21	23	1	
Jeju	59	20	11	0	10	1	22	6	0	
Ports of Entry	1,497	1,497	0	0	0	0	0	0	7	
Total	23,661 (%)	3,193 (13.5)	14,162 (59.9)	5,214 (22.0)	8,717 (36.8)	231 (1.0)	3,410 (14.4)	2,856 (12.1)	50	

* 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

	9.15	9.16	9.17	9.18	9.19	9.20	9.21	9.22	9.23	9.24	9.25	9.26	9.27	9.28
Total	158	160	160	150	152	146	141	146	139	126	128	122	124	120
Severe	85	88	84	76	79	74	68	73	63	54	58	56	58	57
Very severe	73	72	76	74	73	72	73	73	76	72	70	66	66	63

	Total	Severe	(%)	Critical	(%)
Total	120	57	(100)	63	(100)
80 and above	20	11	(19.3)	9	(14.3)
70-79	50	21	(36.8)	29	(46.0)
60-69	39	21	(36.8)	18	(28.6)
50-59	6	1	(1.8)	5	(7.9)
40-49	4	2	(3.5)	2	(3.2)
30-39	1	1	(1.8)	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		50 (100)	23,661 (100)	45.64
Sex	Male	26 (52.00)	10,860 (45.90)	41.99
	Female	24 (48.00)	12,801 (54.10)	49.26
Age	80 or above	4 (8.00)	965 (4.08)	50.81
	70-79	3 (6.00)	1,897 (8.02)	52.59
	60-69	12 (24.00)	3,760 (15.89)	59.27
	50-59	10 (20.00)	4,390 (18.55)	50.65
	40-49	5 (10.00)	3,151 (13.32)	37.56
	30-39	3 (6.00)	2,881 (12.18)	40.89
	20-29	5 (10.00)	4,746 (20.06)	69.73
	10-19	4 (8.00)	1,299 (5.49)	26.29
	0-9	4 (8.00)	572 (2.42)	13.79

* 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		5 (100)	406 (100)	1.72
Sex	Male	3 (60.00)	216 (53.20)	1.99
	Female	2 (40.00)	190 (46.80)	1.48
Age	80 or above	2 (40.00)	205 (50.49)	21.24
	70-79	2 (40.00)	132 (32.51)	6.96
	60-69	0 (0.00)	44 (10.84)	1.17
	50-59	1 (20.00)	19 (4.68)	0.43
	40-49	0 -	4 (0.99)	0.13
	30-39	0 -	2 (0.49)	0.07
	20-29	0 -	0 (0.00)	0.00
	10-19	0 -	0 (0.00)	0.00
	0-9	0 -	0 (0.00)	0.00

* Case fatality rate (CFR) = Number of deaths / Number of confirmed cases x 100



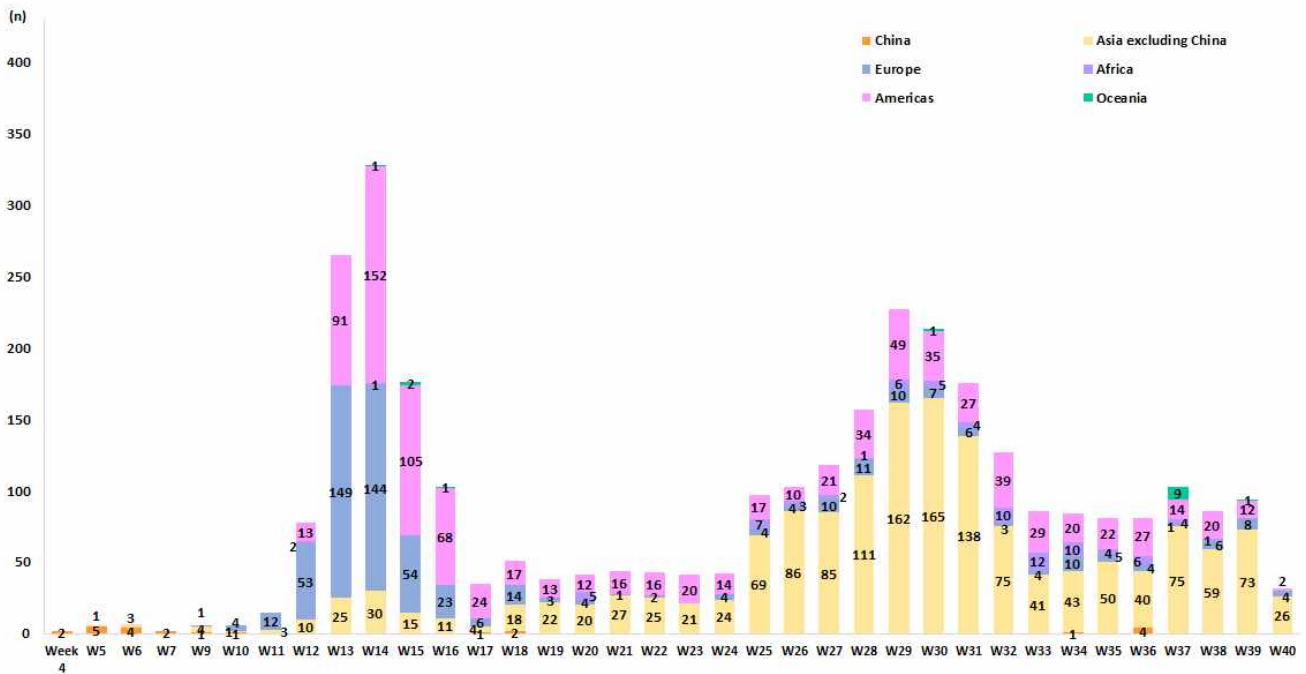
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IMPORTED CASES



NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION

