



KDCA

Korea Disease Control and Prevention Agency

Updates on COVID-19 in Republic of Korea

10 December 2020

Local transmission cases as of 0:00 today (cumulative since 3 January 2020)

	Total	City							
		Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong
New	646	251	31	3	37	3	9	17	1
Cumulative	35,273*	10,603	1,017	7,179	1,559	687	543	295	101
	Total	Province							
		Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam
New	201	15	12	20	8	5	8	16	9
Cumulative	7,949	702	415	940	414	408	1,701	686	74

* Correction (of error due to technical system update) (December 9, 0:00, Seoul -8, Busan -1, Daegu -1, Chungbuk -2, Gyeongnam -2, Jeju -2)

Imported cases, as of 0:00 today (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	36	0	10	7	19	0	0	16	20	22	14
Total	4,825	30 (0.6%)	2,301¹ (47.7%)	878¹ (18.2%)	1,456 (30.2%)	142 (2.9%)	18 (0.4%)	2,240 (46.4%)	2,585 (53.6%)	2,627 (54.4%)	2,198 (45.6%)

* Asia excluding China: Philippines 1, Nepal 1, Russia 1, Myanmar 1, Kazakhstan 1, Indonesia 4, UAE 1, Europe: Bulgaria 1, Hungary 5, Germany 1, America: US 19

¹ Correction (December 4, 0:00, 1 Ukrainian sailor, Europe -1 --> Asia -1 and Europe +1)

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

	Discharged from isolation	Under isolation	Severe/critical cases	Deceased
As of 0:00 9 December (Wed)	30,177	8,683¹	149	556
As of 0:00 10 December (Thur)	30,637	8,897	172	564
Difference	(+)460	(+)214	(+)23	(+)8

* Based on case data reported to the KDCA

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

※ Figures subject to correction based on findings from epidemiological investigations

* Correction (of error due to technical system update) (December 9, 0:00, Seoul -8, Busan -1, Daegu -1, Chungbuk -2, Gyeongnam -2, Jeju -2)



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Recent major local clusters as of 12:00 today

Location	Cluster	New cases	Total cases
Seoul Jung-gu	Market	13	34
Seoul Jongno-gu	Restaurant/singing class	15	204
Gyeonggi Suwon-si	Nursing home	20	21
Gyeonggi Anyang-si	Religious facility	16	17
Gyeonggi Hwaseong-si	Hagwon	11	12
Gyeonggi Gunpo-si	Manufacturing company	4	30
Incheon Namdong-gu	Military unit	10	11
Daejeon	Social gathering / kimchi making gathering	12	13
Chungbuk Jecheon-si	Nursing home	12	13
Ulsan Nam-gu	Middle school	19	20
Busan Sasang-gu	Convalescent hospital	19	25

* 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 46 (11.8.~11.14.)	Week 47 (11.15.~11.21.)	Week 48 (11.22.~11.28.)	Week 49 (11.29.~12.05.)
Daily average confirmed cases (n)	Local	122.4	255.6	400.1	487.9
	Imported	28.1	30.7	24.3	26.7
	Total	150.6	286.3	424.4	514.6
Cases with chain of transmission under investigation (%) (n)		12.7(134/1,054)	13.1(263/2,004)	14.4(428/2,971)	17.9(643/3,602)
Percentage under management (Percent of new cases confirmed while under self-quarantine)		58.1	45.5	41.4	42.9
New clusters		37(-3)	45(+3)	37(+20)	15
Reproduction number (Rt)		1.12	1.52	1.43	1.23
Average critical/severe patients (n)		54	70	80	101
Number of deaths (n)		15	11	19	18
Number of ICU available		131	113	86	55

※ Figures subject to change upon new findings from investigation



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Overall case and test status as of 0:00 today (cumulative since 3 January 2020)

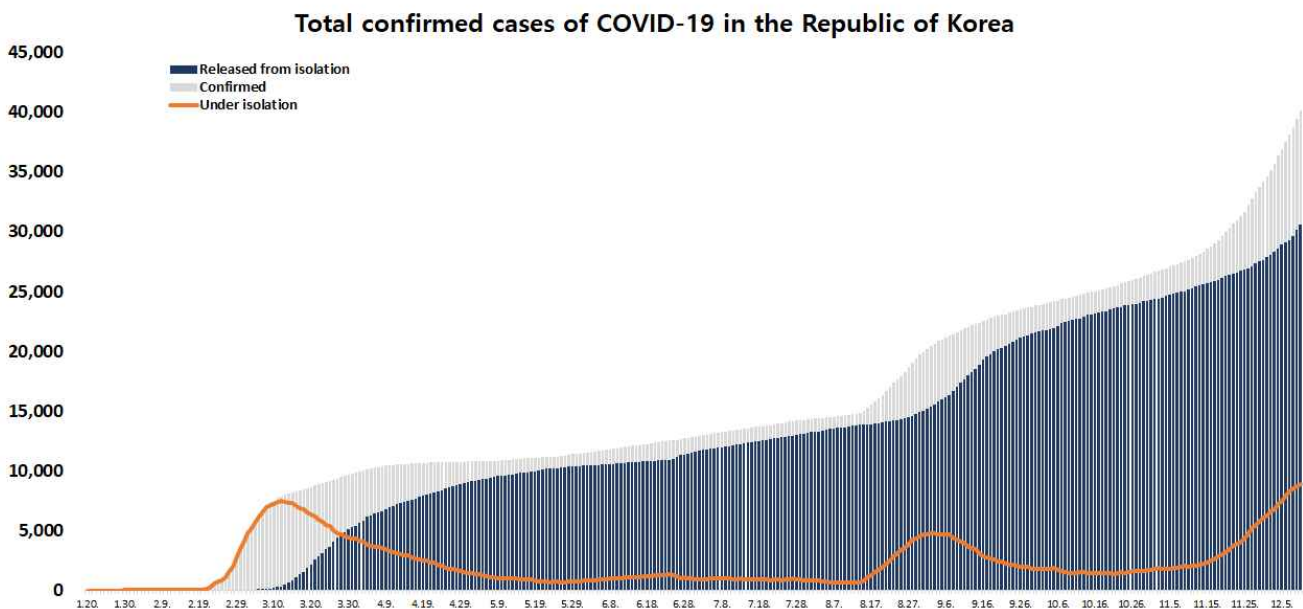
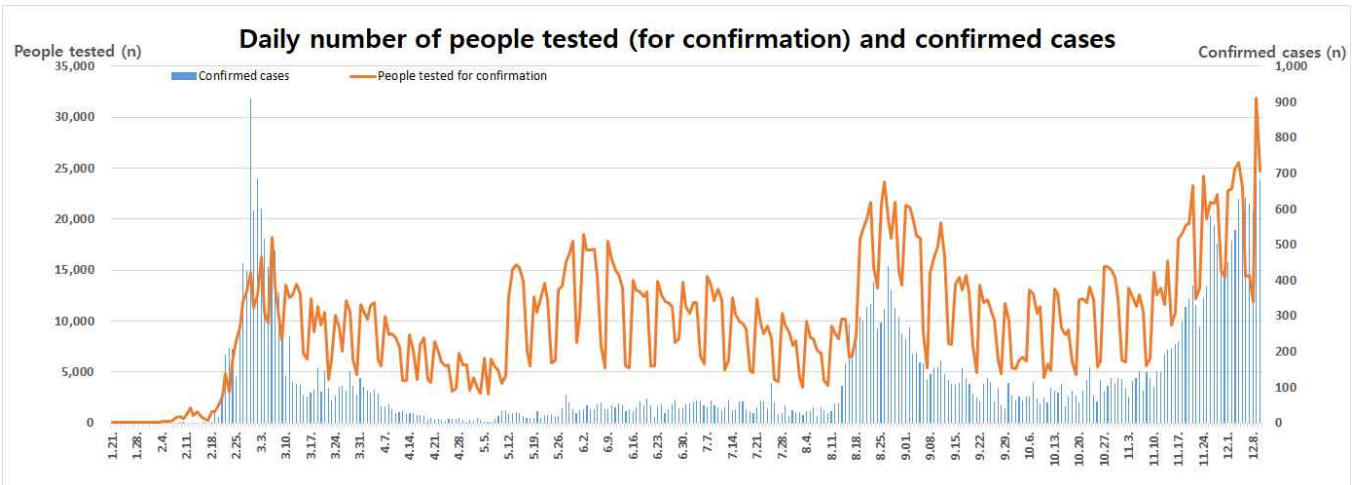
Period (since 3 Jan)	Total	Tested positive (PCR)				Testing in progress	Tested negative (PCR)
		Confirmed	Discharged from isolation	Under isolation	Deceased		
As of 0:00 9 December (Wed)	3,253,220 ¹	39,416	30,177	8,683 ¹	556	75,080	3,138,724
As of 0:00 10 December (Thur)	3,277,947	40,098	30,637	8,897	564	72,764	3,165,085
Difference	+24,727	+682	+460	+214	+8	-2,316	+26,361

* 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

¹ Correction (of error due to technical system update) (December 9, 0:00, Seoul -8, Busan -1, Daegu -1, Chungbuk -2, Gyeongnam -2, Jeju -2)





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Regional distribution of cases as of 0:00 today (cumulative since 3 January 2020)

Region	New cases		Total cases	(%)	Incidence rate* (per 100,000)
	Local	Imported			
Seoul	251	0	11,175	(27.87)	114.81
Busan	31	0	1,093	(2.73)	32.04
Daegu	3	0	7,280	(18.16)	298.79
Incheon	37	0	1,701	(4.24)	57.54
Gwangju	3	2	773	(1.93)	53.07
Daejeon	9	0	582	(1.45)	39.48
Ulsan	17	0	352	(0.88)	30.69
Sejong	1	0	123	(0.31)	35.93
Gyeonggi	201	14	8,904	(22.21)	67.20
Gangwon	15	0	742	(1.85)	48.16
Chungbuk	12	0	477	(1.19)	29.82
Chungnam	20	0	1,034	(2.58)	48.72
Jeonbuk	8	0	476	(1.19)	26.19
Jeonnam	5	0	461	(1.15)	24.72
Gyeongbuk	8	0	1,794	(4.47)	67.38
Gyeongnam	16	0	789	(1.97)	23.47
Jeju	9	4	102	(0.25)	15.21
Border Screening	0	16	2,240	(5.59)	-
Total	646	36	40,098¹	(100)	77.34

* 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

¹ Correction (of error due to technical system update) (December 9, 0:00, Seoul -8, Busan -1, Daegu -1, Chungbuk -2, Gyeongnam -2, Jeju -2)



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Confirmed cases by gender and age group

		New cases (%)	Total cases (%)	Incidence rate* (per 100,000)
Total		682 (100)	40,098 (100)	77.34
Sex	Male	351 (51.47)	19,257 (48.02)	74.46
	Female	331 (48.53)	20,841 (51.98)	80.21
Age	80 or above	30 (4.40)	1,731 (4.32)	91.14
	70-79	53 (7.77)	3,100 (7.73)	85.94
	60-69	115 (16.86)	6,137 (15.31)	96.73
	50-59	110 (16.13)	7,320 (18.26)	84.46
	40-49	93 (13.64)	5,615 (14.00)	66.93
	30-39	111 (16.28)	5,196 (12.96)	73.75
	20-29	80 (11.73)	7,310 (18.23)	107.40
	10-19	53 (7.77)	2,466 (6.15)	49.91
	0-9	37 (5.43)	1,223 (3.05)	29.48

* 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		8 (100)	564 (100)	1.41
Sex	Male	2 (25.00)	289 (51.24)	1.50
	Female	6 (75.00)	275 (48.76)	1.32
Age	80 or above	6 (75.00)	290 (51.42)	16.75
	70-79	2 (25.00)	177 (31.38)	5.71
	60-69	0 (0.00)	65 (11.52)	1.06
	50-59	0 (0.00)	25 (4.43)	0.34
	40-49	0 (0.00)	5 (0.89)	0.09
	30-39	0 (0.00)	2 (0.35)	0.04
	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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AGE DISTRIBUTION OF SEVERE/CRITICAL CASES

	11.27.	11.28.	11.29.	11.30.	12.1.	12.2.	12.3.	12.4.	12.5.	12.6.	12.7.	12.8.	12.9.	12.10.
Total	77	78	76	76	97	101	117	116	121	125	126	134	149	172

	Severe/Critical	(%)
Total	172	(100.0)
80 and above	38	(22.1)
70-79	66	(38.4)
60-69	38	(22.1)
50-59	26	(15.1)
40-49	3	(1.7)
30-39	1	(0.6)
20-29	0	(0.0)
10-19	0	(0.0)
0-9	0	(0.0)

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

※ Figures subject to correction based on findings from epidemiological investigations



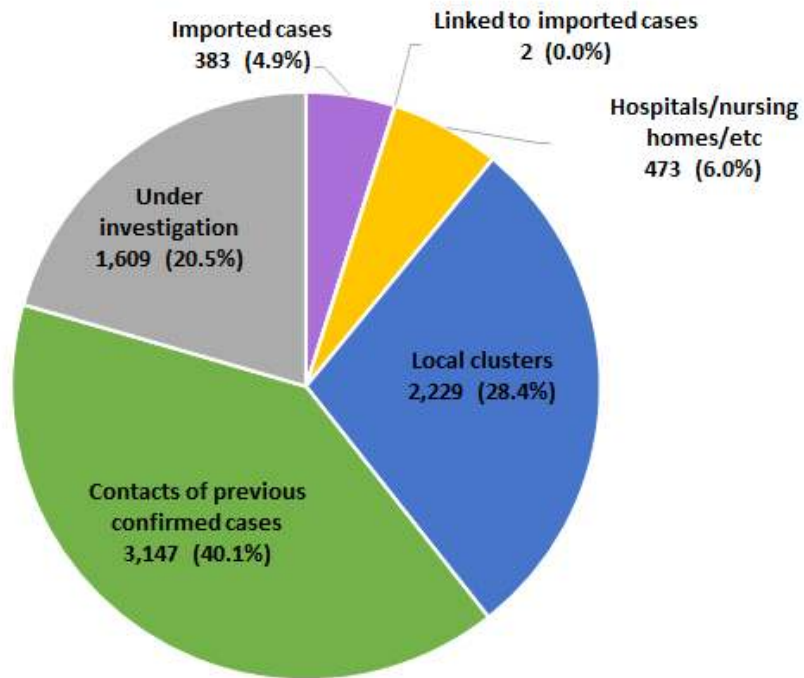
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NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION





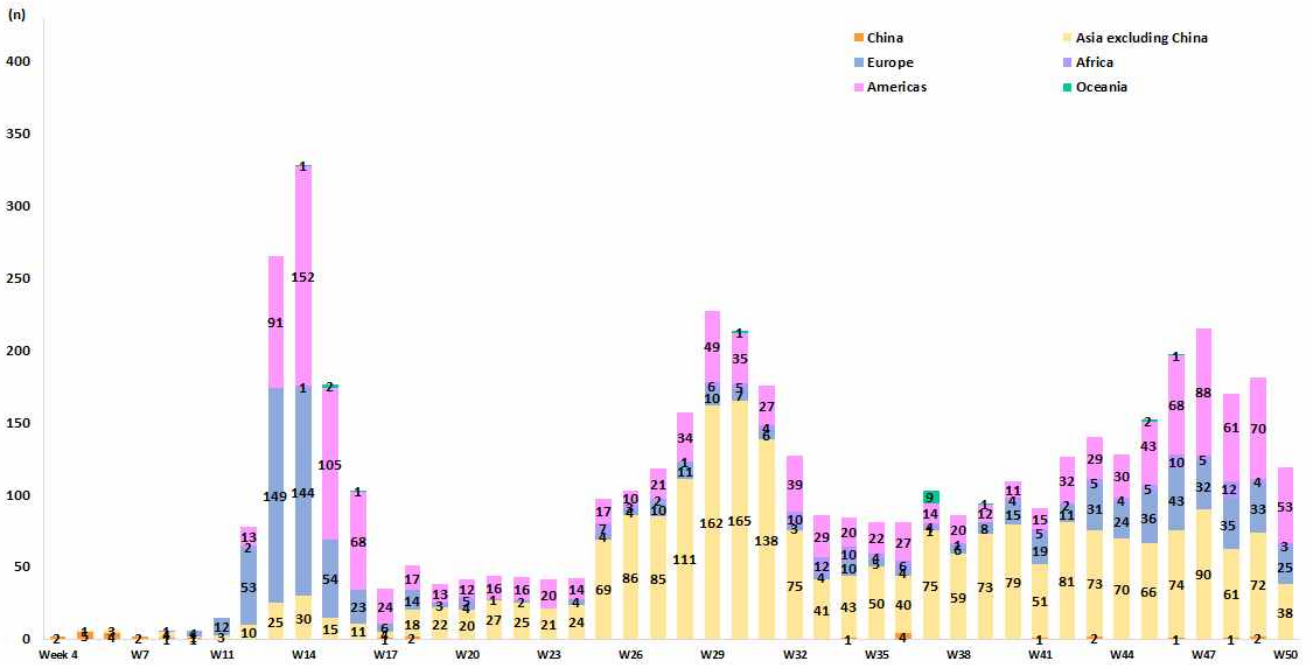
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IMPORTED CASES





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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	Imported related				
Seoul	11,175	572	5,436	8	5,348	80	2,993	2,174	251	Past large clusters: • Sarang Jeil Church (1173) • Aug 15 Seoul rallies (650) • Nightclubs (277) • Yongjin Woori Jeil Church (221) • Richway (210) • Guro-gu call center (170) • Coupang fulfillment center (152) • Gwangju door-to-door sales (150) • Newly planted churches group (119)
Busan	1,093	76	744	12	677	55	158	115	31	
Daegu	7,280	101	5,469	4,512	950	7	946	764	3	
Incheon	1,701	142	1,001	2	990	9	338	220	37	
Gwangju	773	86	564	9	549	6	69	54	5	
Daejeon	582	39	333	2	330	1	138	72	9	
Ulsan	352	57	239	16	219	4	32	24	17	
Sejong	123	22	68	1	66	1	20	13	1	
Gyeonggi	8,904	955	4,277	29	4,180	68	2,313	1,359	215	
Gangwon	742	40	510	17	492	1	110	82	15	
Chungbuk	477	62	195	6	182	7	141	79	12	
Chungnam	1,034	94	569	0	568	1	239	132	20	
Jeonbuk	476	62	277	1	276	0	93	44	8	
Jeonnam	461	53	328	1	325	2	49	31	5	
Gyeongbuk	1,794	93	1,318	565	753	0	226	157	8	
Gyeongnam	789	103	540	32	505	3	80	66	16	
Jeju	102	28	27	0	26	1	29	18	13	
Ports of Entry	2,240	2,240	0	0	0	0	0	0	16	
Total	40,098 (%)	4,825 (12.0)	21,895 (54.6)	5,213 (13.0)	16,436 (41.0)	246 (0.6)	7,974 (19.9)	5,404 (13.5)	682	

* Includes contacts of confirmed cases

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