



KDCA

Korea Disease Control and Prevention Agency

Updates on COVID-19 in Republic of Korea

21 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	892	327	19	21	85	11	3	17	0
Cumulative	45,475	14,432	1,431	7,415	2,187	788	656	500	106
	Total	Province							
		Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam
New	237	22	29	16	11	8	48	15	23
Cumulative	10,917	932	734	1,182	613	453	1,938	967	224

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	34	0	13	8	13	0	0	10	24	21	13
Total	5,116	34 (0.7%)	2,407 (47.0%)	924 (18.1%)	1,567 (30.6%)	164 (3.2%)	20 (0.4%)	2,343 (45.8%)	2,773 (54.2%)	2,790 (54.5%)	2,326 (45.5%)

* Asia excluding China: Russia 9, India 1, Indonesia 1, Myanmar 1, Jordan 1, Europe: Poland 1, Ukraine 1, UK 1, Germany 4, Austria 1, America: US 12, Mexico 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 20 December (Sun)	34,722	14,269	278	674
As of 0:00 21 December (Mon)	35,155	14,738	274	698
Difference	(+)433	(+)469	(-)4	(+)24

* 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



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Recent major local clusters as of 12:00 today

Location	Cluster	New cases	Total cases
Seoul Songpa-gu	Correctional facility	2	217
Seoul Gangseo-gu	Religious facility	10	213
Seoul Yongsan-gu	Construction site	9	101
Gyeonggi Bucheon-si	Convalescent hospital	12	146
Gyeonggi Dongducheo-si	Clinic	11	12
Gyeonggi Pyeongtaek-si	Call center	9	10
Gyeonggi Siheung-si	Nursing home	10	28
Incheon Seo-gu	Nursing home	23	24
Incheon Michuhol-gu	Health supplement sales	17	18
Gangwon Donghae-si	Elementary school	28	29
Gangwon Donghae-si	Hospital	6	13
Daegu Dalseong-gun	Religious facility	4	100
Gyeongbuk Gyeongsan-si	Religious facility	8	9
Gyeongbuk Gumi-si	Religious facility	8	9
Gyeongbuk Andong-si	Religious facility	7	8
Gyeongbuk Ulleung-gun	Coast Guard	11	12
Busan Dong-gu	Convalescent hospital 2	13	23
Ulsan Nam-gu	Convalescent hospital	11	240
Gwangju Buk-gu	Logistics company	13	14
Jeju Jeju-si	Religious facility	20	100

* 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 48 (11.22~11.28.)	Week 49 (11.29.~12.05.)	Week 50 (12.06.~12.12.)	Week 51 (12.13.~12.19.)
Daily average confirmed cases (n)	Local	400.1	487.7	661.7	949.0
	Imported	24.3	25.9	27.6	27.7
	Total	424.4	513.6	689.3	976.7
Cases with chain of transmission under investigation %(n)		14.2(421/2,971)	17.0(611/3,595)	22.6(1,091/4,825)	29.9(2,047/6,837)
Percentage under management (Percent of new cases confirmed while under self-quarantine)		39.6	43.4	37.9	31.6
New clusters		42(+22)	54(+52)	45(+292)	34
Reproduction number (Rt)		1.43	1.23	1.18	1.28
Average critical/severe patients(n)		80	101	151	223
Number of deaths (n)		19	18	38	81
Number of ICU available		86	55	62	38

※ Figures subject to change upon new findings from investigation

* Reclassified due to epidemiological link found



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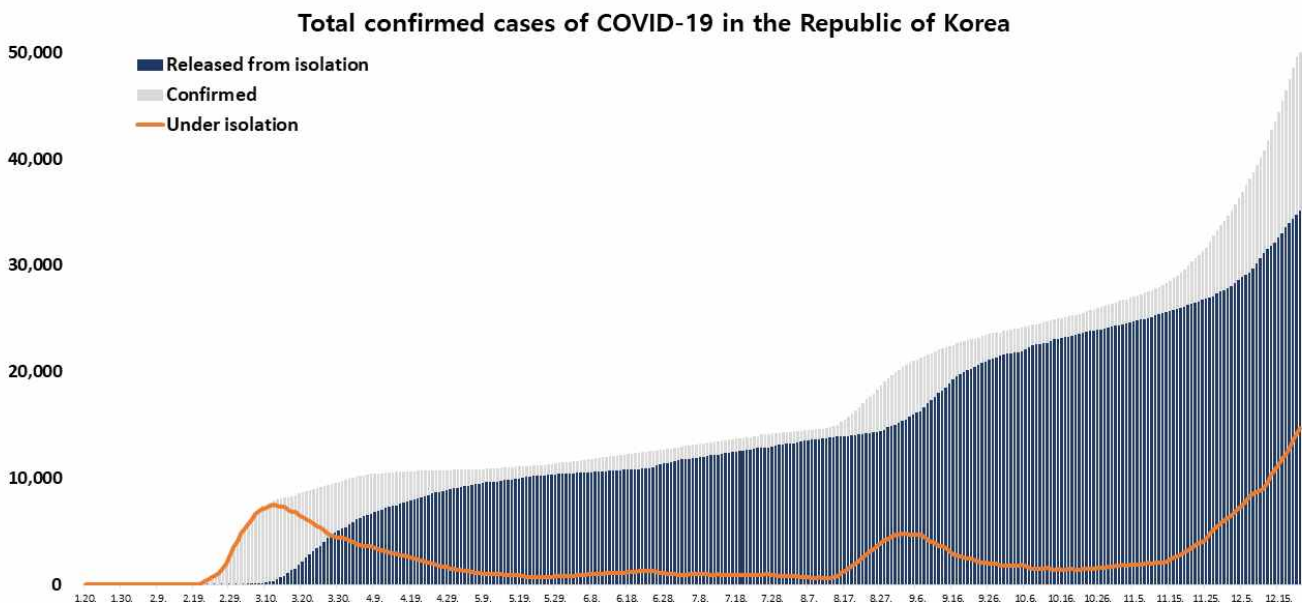
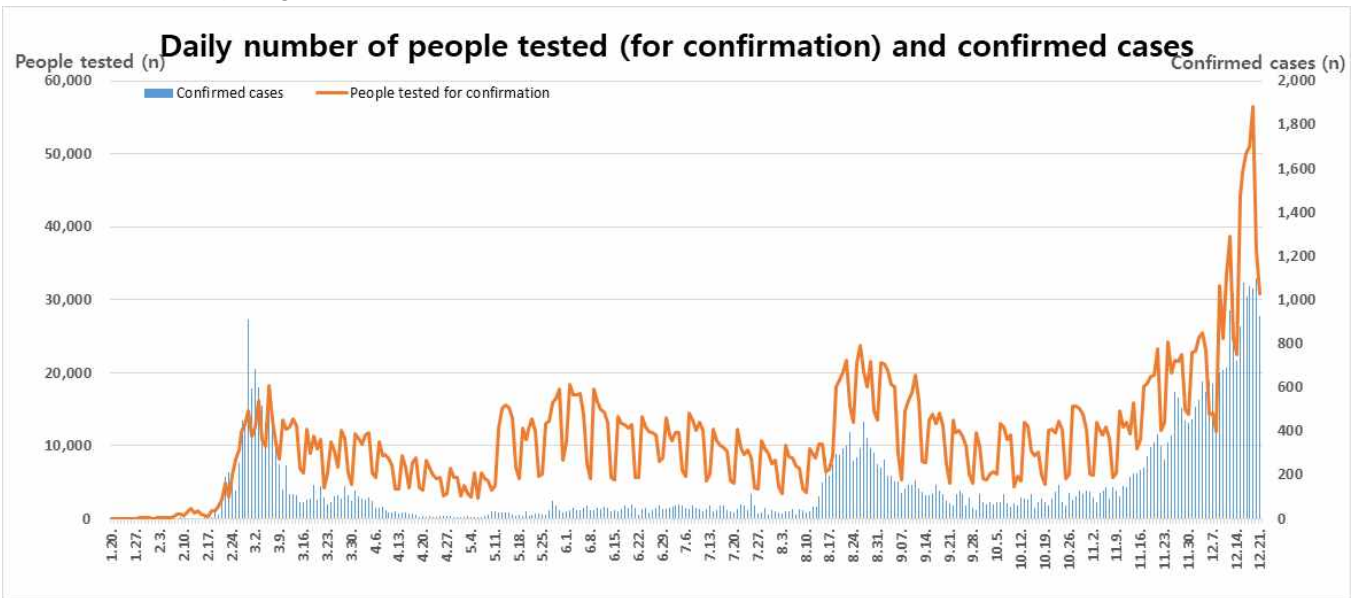
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Overall case and test status as of 0:00 today (cumulative since 3 January 2020)

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 20 December (Sun)	3,683,094	49,665	34,722	14,269	674	139,475	3,493,954
As of 0:00 21 December (Mon)	3,713,861	50,591	35,155	14,738	698	146,438	3,516,832
Difference	+30,767	+926	+433	+469	+24	+6,963	+22,878

* 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) Corrected local reporting error (December 8, 0:00, Incheon -1, December 9, 0:00, Incheon -1)





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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	327	1	15,039	(29.73)	154.51
Busan	19	1	1,513	(2.99)	44.35
Daegu	21	0	7,518	(14.86)	308.56
Incheon	85	3	2,336	(4.62)	79.02
Gwangju	11	2	879	(1.74)	60.34
Daejeon	3	0	699	(1.38)	47.42
Ulsan	17	0	562	(1.11)	49.00
Sejong	0	0	129	(0.25)	37.68
Gyeonggi	237	7	11,946	(23.61)	90.16
Gangwon	22	3	976	(1.93)	63.35
Chungbuk	29	4	803	(1.59)	50.21
Chungnam	16	0	1,288	(2.55)	60.68
Jeonbuk	11	2	688	(1.36)	37.86
Jeonnam	8	1	508	(1.00)	27.24
Gyeongbuk	48	0	2,035	(4.02)	76.43
Gyeongnam	15	0	1,077	(2.13)	32.04
Jeju	23	0	252	(0.50)	37.57
Border Screening	0	10	2,343	(4.63)	-
Total	892	34	50,591	(100)	97.58

* 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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Confirmed cases by gender and age group

		New cases (%)	Total cases (%)	Incidence rate* (per 100,000)
Total		926 (100)	50,591 (100)	97.58
Sex	Male	461 (49.78)	24,329 (48.09)	94.07
	Female	465 (50.22)	26,262 (51.91)	101.07
Age	80 or above	54 (5.83)	2,428 (4.80)	127.84
	70-79	87 (9.40)	3,979 (7.87)	110.31
	60-69	161 (17.39)	7,883 (15.58)	124.25
	50-59	195 (21.06)	9,402 (18.58)	108.48
	40-49	124 (13.39)	7,099 (14.03)	84.62
	30-39	117 (12.63)	6,414 (12.68)	91.04
	20-29	97 (10.48)	8,552 (16.90)	125.65
	10-19	45 (4.86)	3,150 (6.23)	63.76
	0-9	46 (4.97)	1,684 (3.33)	40.59

* 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)

※ Figures subject to correction based on findings from epidemiological investigations

Deaths by gender and age group

		New deaths (%)	Total deaths (%)	Case fatality rate (%)
Total		24 (100)	698 (100)	1.38
Sex	Male	13 (54.17)	358 (51.29)	1.47
	Female	11 (45.83)	340 (48.71)	1.29
Age	80 or above	15 (62.50)	372 (53.30)	15.32
	70-79	4 (16.67)	204 (29.23)	5.13
	60-69	3 (12.50)	84 (12.03)	1.07
	50-59	1 (4.17)	29 (4.15)	0.31
	40-49	0 (0.00)	6 (0.86)	0.08
	30-39	1 (4.17)	3 (0.43)	0.05
	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

	12.8.	12.9.	12.10.	12.11.	12.12.	12.13.	12.14.	12.15.	12.16.	12.17.	12.18.	12.19.	12.20.	12.21.
Total	134	149	172	169	179	179	185	205	226	242	246	275	278	274

	Severe/Critical	(%)
Total	274	(100.0)
80 and above	56	(20.4)
70-79	106	(38.7)
60-69	74	(27.0)
50-59	29	(10.6)
40-49	6	(2.2)
30-39	3	(1.1)
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



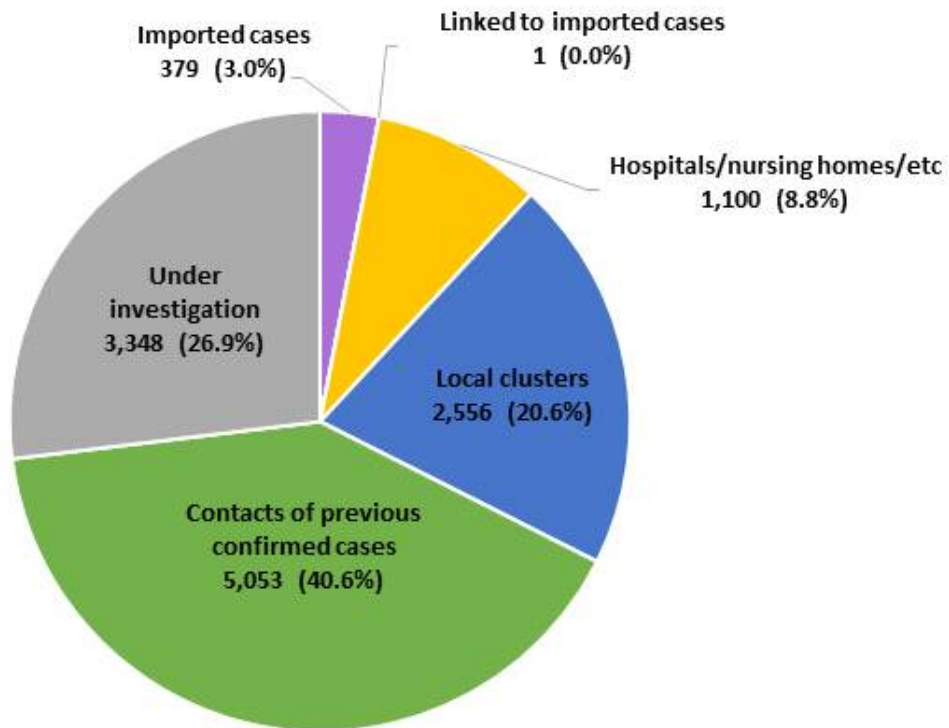
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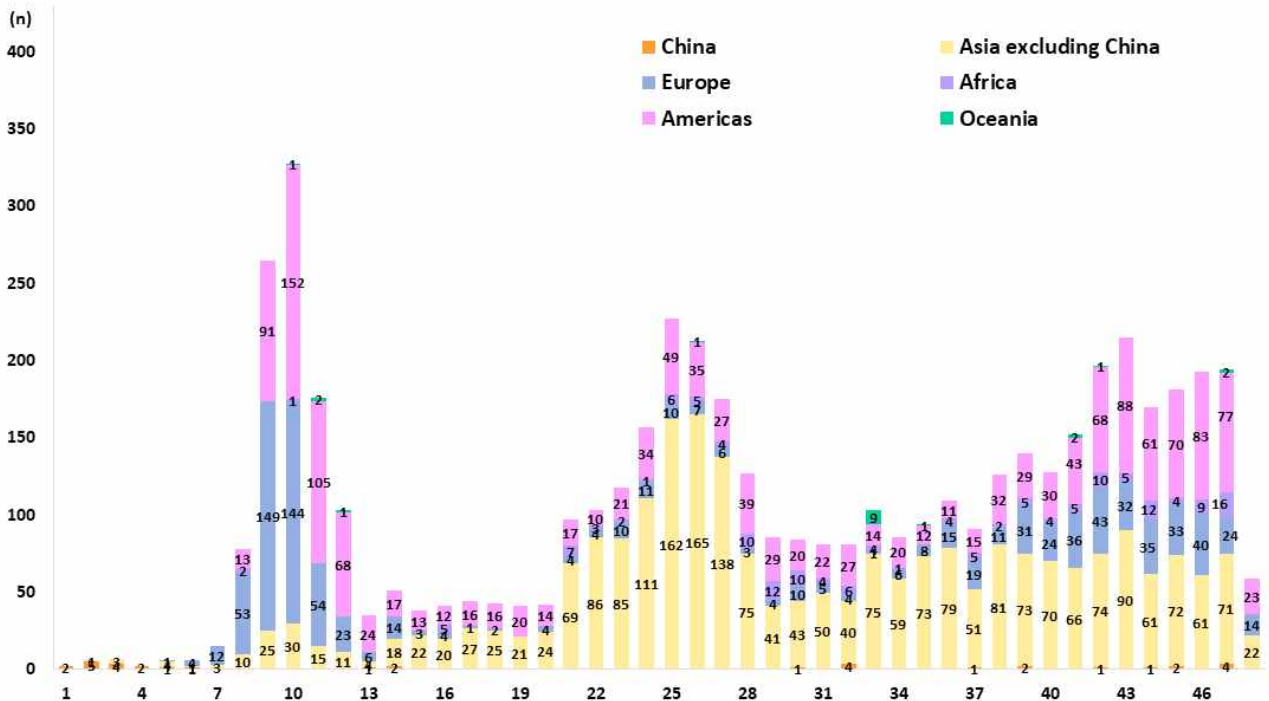
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NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION



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	15,039	607	6,245	8	6,157	80	4,707	3,480	328	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) • Gyeonggi SRC Convalescent Hospital (163) • Coupang fulfillment center (152) • Gwangju door-to-door sales (150) • Newly planted churches group (119)
Busan	1,513	82	984	12	917	55	283	164	20	
Daegu	7,518	103	5,604	4,512	1,085	7	1,013	798	21	
Incheon	2,336	149	1,171	2	1,160	9	661	355	88	
Gwangju	879	91	622	9	607	6	96	70	13	
Daejeon	699	43	375	2	372	1	183	98	3	
Ulsan	562	62	401	16	381	4	60	39	17	
Sejong	129	23	70	1	68	1	20	16	0	
Gyeonggi	11,946	1,029	4,981	29	4,884	68	3,699	2,237	244	
Gangwon	976	44	646	17	628	1	180	106	25	
Chungbuk	803	69	357	6	344	7	252	125	33	
Chungnam	1,288	106	701	0	700	1	290	191	16	
Jeonbuk	688	75	456	1	455	0	100	57	13	
Jeonnam	508	55	346	1	343	2	64	43	9	
Gyeongbuk	2,035	97	1,435	565	870	0	313	190	48	
Gyeongnam	1,077	110	666	32	630	4	183	118	15	
Jeju	252	28	123	0	122	1	70	31	23	
Ports of Entry	2,343	2,343	0	0	0	0	0	0	10	
Total	50,591 (%)	5,116 (10.1)	25,183 (49.8)	5,213 (10.3)	19,723 (39.0)	247 (0.5)	12,174 (24.1)	8,118 (16.0)	926	

* Includes contacts of confirmed cases

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