



KDCA

Korea Disease Control and Prevention Agency

Updates on COVID-19 in Republic of Korea

31 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	940	365	72	32	59	8	6	35	0
Cumulative	55,355	18,356	1,780	7,693	2,684	986	800	606	125
	Total	Province							
		Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam
New	219	36	22	17	11	5	22	22	9
Cumulative	13,357	1,161	1,091	1,538	756	502	2,319	1,213	388

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	27	0	13	7	7	0	0	13	14	14	13
Total	5,385	33 (0.6%)	2,541 (47.2%)	964 (17.9%)	1,655 (30.7%)	171 (3.2%)	21 (0.4%)	2,444 (45.4%)	2,941 (54.6%)	2,945 (54.7%)	2,440 (45.3%)

* Asia excluding China: Philippines 2, Kyrgyzstan 1, Uzbekistan 1, India 1, Russia 1, Myanmar 2, Indonesia 4, Iraq 1
 Europe: Poland 3, Ukraine 3, Slovakia 1
 America: US 5, Mexico 2

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 30 December (Wed)	41,435	17,459	332	879
As of 0:00 31 December (Thur)	42,271	17,569	344	900
Difference	(+)836	(+)110	(+)12	(+)21

* Based on case data reported to the KDCA

** Severe/Critical: COVID-19 patients in isolation being treated with high flow oxygen therapy, mechanical ventilator, ECMO (Extracorporeal Membrane Oxygenation), CRRT (Continuous Renal Replacement Therapy)

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Recent major local clusters as of 12:00 today

Location	Cluster	New cases	Total cases
Seoul Yangcheon-gu	Care facility II	13	14
Seoul Dongdaemun-gu	Elderly welfare facility	31	32
Seoul Songpa-gu	Correctional facility	37	814
Seoul Jungnang-gu	Religious facility	12	56
Seoul Guro-gu	Convalescent hospital / nursing home	3	193
Gyeonggi Gunpo-si	Factory plant	28	29
Chungnam Cheonan-si	Grocery store / restaurant	3	123
Gwangju Gwangsan-gu	Religious facility	8	41
Gwangju Buk-gu	Nursing home	5	64
Ulsan Jung-gu	Mission group	37	49
Busan Yeongdo-gu	Elderly health center	5	6
Busan Buk-gu	Day welfare center	8	9

* 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 49 (11.29.~12.05.)	Week 50 (12.06.~12.12.)	Week 51 (12.13.~12.19.)	Week 52 (12.20.~12.26.)
Daily average confirmed cases (n)	Local	487.7	661.7	948.6
	Imported	25.9	27.6	27.3
	Total	513.6	689.3	975.9
Cases with chain of transmission under investigation (%) (n)	17.0 (611/3,595)	22.6 (1,090/4,825)	28.4 (1,937/6,831)	27.9 (2,047/7,338)
Percentage under management (Percent of new cases confirmed while under self-quarantine)	43.6	38.0	32.8	31.2
New clusters	58 (+4*)	54 (+9*)	71 (+37*)	19**
Reproduction number (Rt)	1.23	1.18	1.28	1.11
Average critical/severe patients(n)	101	151	223	288
Number of deaths (n)	18	38	81	134
Number of ICU available	55	62	38	164

※ Figures subject to change upon new findings from investigation

* Reclassified due to epidemiological link found

** Investigation ongoing



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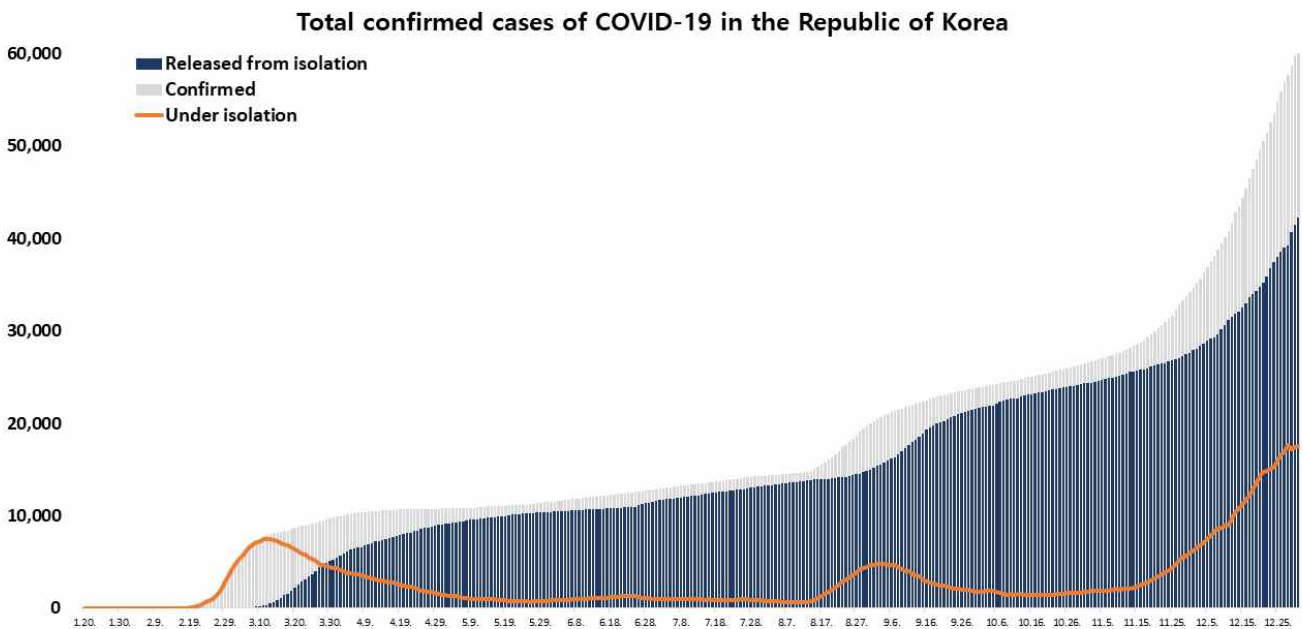
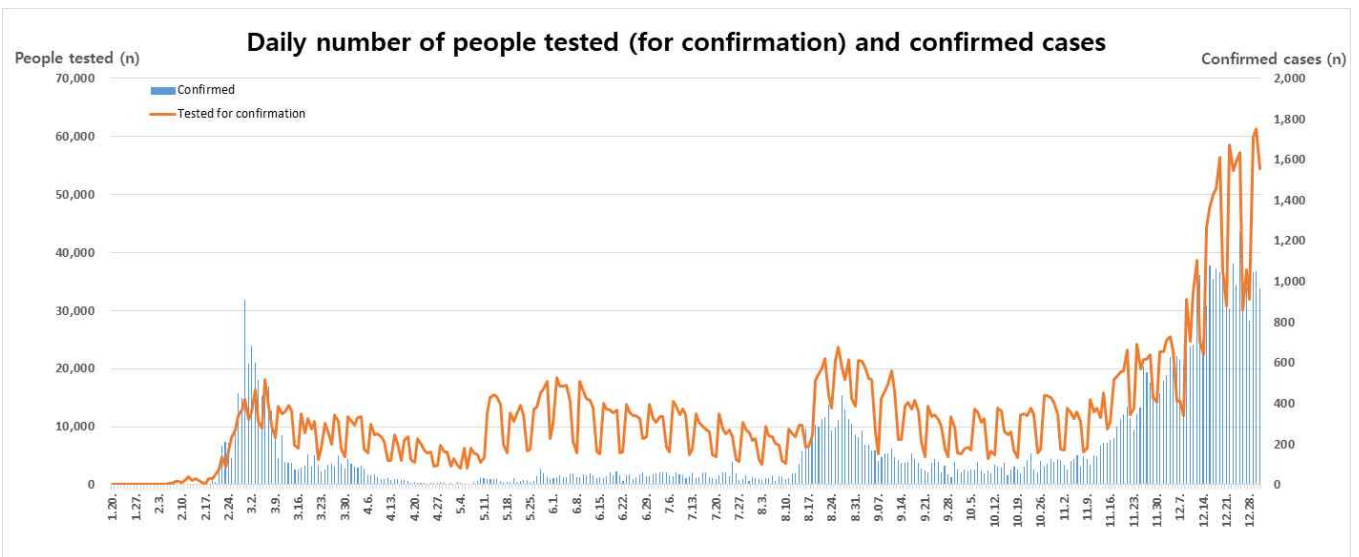
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Overall case and test status as of 0:00 today (cumulative since 3 January 2020)

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 30 December (Wed)	4,159,522	59,773	41,435	17,459	879	171,771	3,927,978
As of 0:00 31 December (Thur)	4,213,880	60,740	42,271	17,569	900	170,338	3,982,802
Difference	+54,358	+967	+836	+110	+21	-1,433	+54,824

* 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
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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	365	1	19,004	(31.29)	195.24
Busan	72	2	1,868	(3.08)	54.75
Daegu	32	1	7,801	(12.84)	320.17
Incheon	59	0	2,839	(4.67)	96.04
Gwangju	8	0	1,081	(1.78)	74.21
Daejeon	6	1	845	(1.39)	57.32
Ulsan	35	0	673	(1.11)	58.67
Sejong	0	0	149	(0.25)	43.53
Gyeonggi	219	6	14,451	(23.79)	109.06
Gangwon	36	0	1,207	(1.99)	78.35
Chungbuk	22	0	1,163	(1.91)	72.72
Chungnam	17	1	1,653	(2.72)	77.88
Jeonbuk	11	1	837	(1.38)	46.06
Jeonnam	5	0	560	(0.92)	30.03
Gyeongbuk	22	1	2,424	(3.99)	91.04
Gyeongnam	22	0	1,325	(2.18)	39.42
Jeju	9	0	416	(0.68)	62.02
Border Screening	0	13	2,444	(4.02)	-
Total	940	27	60,740	(100)	117.15

* 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		967 (100)	60,740 (100)	117.15
Sex	Male	505 (52.22)	29,612 (48.75)	114.50
	Female	462 (47.78)	31,128 (51.25)	119.79
Age	80 or above	65 (6.72)	3,023 (4.98)	159.17
	70-79	67 (6.93)	4,769 (7.85)	132.21
	60-69	174 (17.99)	9,632 (15.86)	151.82
	50-59	186 (19.23)	11,398 (18.77)	131.51
	40-49	134 (13.86)	8,624 (14.20)	102.80
	30-39	132 (13.65)	7,728 (12.72)	109.69
	20-29	93 (9.62)	9,705 (15.98)	142.59
	10-19	67 (6.93)	3,770 (6.21)	76.31
0-9	49 (5.07)	2,091 (3.44)	50.40	

* 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		21 (100)	900 (100)	1.48
Sex	Male	10 (47.62)	448 (49.78)	1.51
	Female	11 (52.38)	452 (50.22)	1.45
Age	80 or above	10 (47.62)	496 (55.11)	16.41
	70-79	8 (38.10)	258 (28.67)	5.41
	60-69	3 (14.29)	106 (11.78)	1.10
	50-59	0 (0.00)	30 (3.33)	0.26
	40-49	0 (0.00)	7 (0.78)	0.08
	30-39	0 (0.00)	3 (0.33)	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

12.18. 12.19. 12.20. 12.21. 12.22. 12.23. 12.24. 12.25. 12.26. 12.27. 12.28. 12.29. 12.30. 12.31.

Total 246 275 278 274 281 284 291 311 299 293 295 330 332 344

	Severe/Critical	(%)
Total	344	(100.0)
80 and above	83	(24.1)
70-79	127	(36.9)
60-69	94	(27.3)
50-59	32	(9.3)
40-49	7	(2.0)
30-39	0	(0.0)
20-29	1	(0.3)
10-19	0	(0.0)
0-9	0	(0.0)

* Severe/Critical: COVID-19 patients in isolation being 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.

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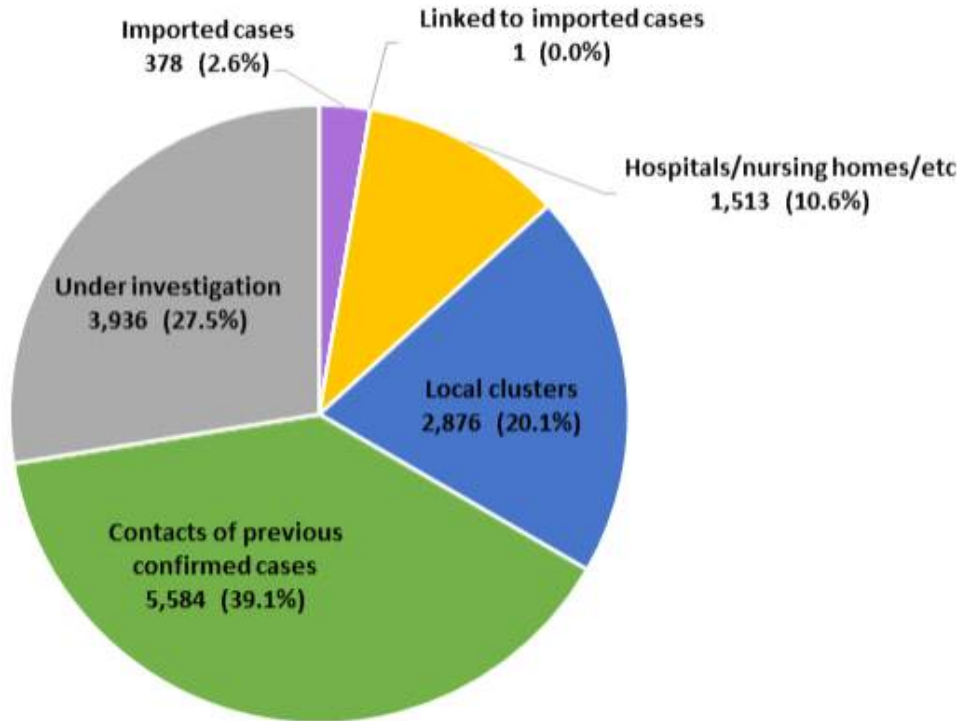
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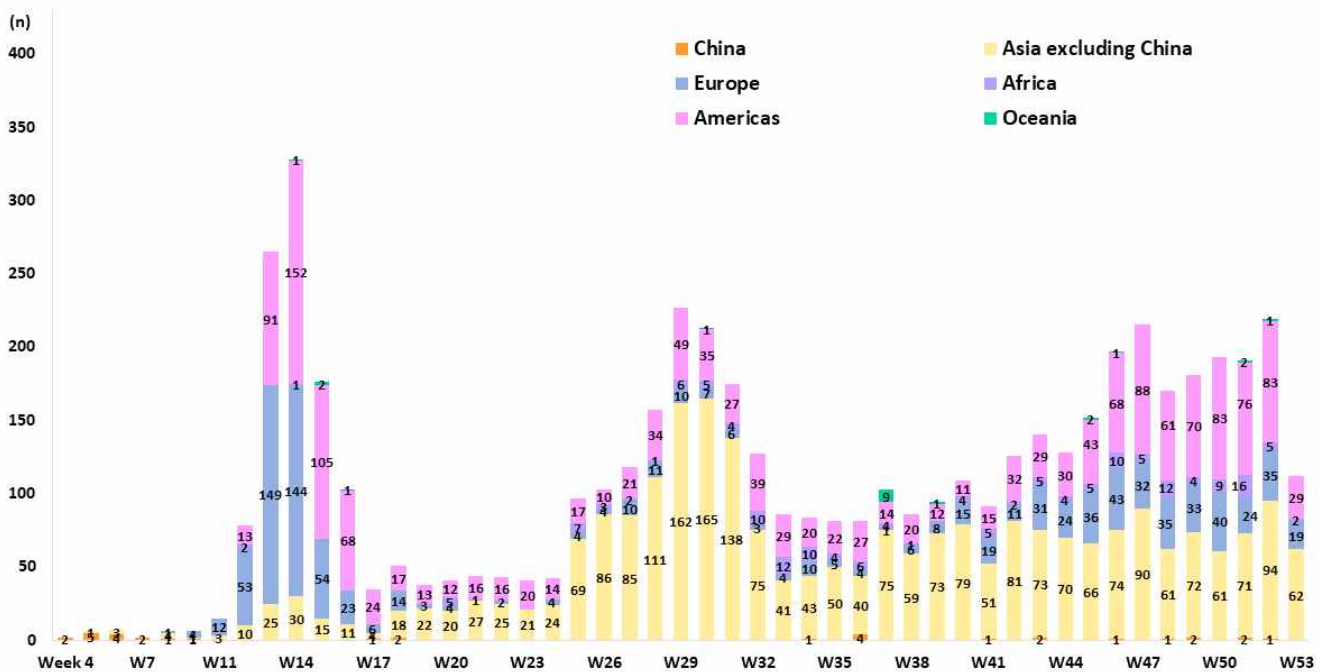
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NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION



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	19,004	648	7,396	8	7,308	80	6,237	4,723	366	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	1,868	88	1,163	12	1,096	55	380	237	74	
Daegu	7,801	108	5,684	4,512	1,165	7	1,147	862	33	
Incheon	2,839	155	1,365	2	1,354	9	845	474	59	
Gwangju	1,081	95	774	9	759	6	117	95	8	
Daejeon	845	45	435	2	432	1	244	121	7	
Ulsan	673	67	480	16	460	4	81	45	35	
Sejong	149	24	72	1	70	1	29	24	0	
Gyeonggi	14,451	1,094	5,463	29	5,366	68	4,868	3,026	225	
Gangwon	1,207	46	793	17	775	1	227	141	36	
Chungbuk	1,163	72	565	6	552	7	337	189	22	
Chungnam	1,653	115	836	0	835	1	419	283	18	
Jeonbuk	837	81	559	1	558	0	124	73	12	
Jeonnam	560	58	385	1	382	2	67	50	5	
Gyeongbuk	2,424	105	1,553	565	988	0	496	270	23	
Gyeongnam	1,325	112	840	32	804	4	214	159	22	
Jeju	416	28	248	0	247	1	87	53	9	
Ports of Entry	2,444	2,444	0	0	0	0	0	0	13	
Total	60,740 (%)	5,385 (8.9)	28,611 (47.1)	5,213 (8.6)	23,151 (38.1)	247 (0.4)	15,919 (26.2)	10,825 (17.8)	967	

* Includes contacts of confirmed cases

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