



KDCA

Korea Disease Control and Prevention Agency

Updates on COVID-19 in Republic of Korea

23 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	1,060	373	32	24	46	35	34	16	1
Cumulative	47,357*	15,114	1,489	7,478	2,277	849	699	522	108
	Total	Province							
		Gyeonggi	Gangwon	Chung-buk	Chung-nam	Jeon-buk	Jeon-nam	Gyeong-buk	Gyeong-nam
New	299	13	58	11	20	12	25	28	33
Cumulative	11,407*	968	822	1,208	637	469	2,021	1,013	276

* Corrected local reporting error (December 22, 0:00, Gyeonggi -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	32	0	17	8	6	0	1	9	23	21	11
Total	5,193	34 (0.7%)	2,444 (47.0%)	936 (18.0%)	1,592 (30.7%)	166 (3.2%)	21 (0.4%)	2,370 (45.6%)	2,823 (54.4%)	2,835 (54.6%)	2,358 (45.4%)

* Asia excluding China: Philippines 1, Indonesia 9, Russia 5, Kazakhstan 1, Sri Lanka 1, Europe: Hungary 1, Turkey 1, UK 4, Sweden 1, Germany 1, America: US 6, Oceania: Australia 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 22 December (Tues)	35,928	14,808¹⁾	281	722
As of 0:00 23 December (Wed)	36,726	15,085	284	739
Difference	(+)798	(+)277	(+)3	(+)17

* 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)

※ Figures subject to correction based on findings from epidemiological investigations



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Updates on COVID-19 in Republic of Korea

23 December 2020

Recent major local clusters as of 12:00 today

Location	Cluster	New cases	Total cases
Seoul Nowon-gu	Hospital	23	24
Seoul Geumcheon-gu	Religious facility	20	21
Gyeonggi Paju-si	Hospital	20	21
Incheon Bupyeong-gu	Insurance company	15	16
Daejeon Yuseong-gu	Day care center	12	13
Chungbuk Cheongju-si	Nursing home	8	79
Chungbuk Goesan-gun / Eumseong-gun / Jincheon-gun	Hospital	39	125
Daegu Dong-gu	Religious facility	8	37
Busan Dong-gu	Convalescent hospital 2	11	34
Ulsan Nam-gu	Performing arts gathering	23	24
Jeonbuk Sunchang-gun	Convalescent hospital	19	36
Gwangju Buk-gu	Nursing home	7	24
Jeju Jeju-si	Religious facility	7	119

* 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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23 December 2020

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

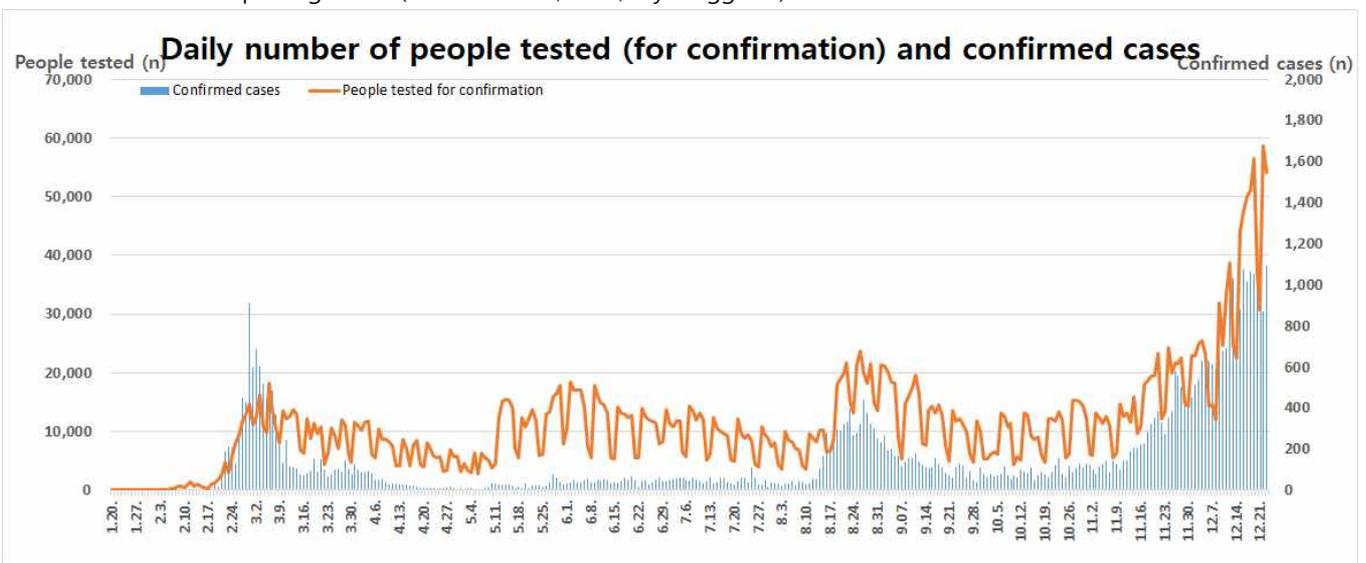
Period (since 3 Jan)	Total	Tested positive (PCR)				Testing in progress	Tested negative (PCR)
		Confirmed	Discharged from isolation	Under isolation	Deceased		
As of 0:00 22 December (Tues)	3,772,430 ¹⁾	51,458 ¹⁾	35,928	14,808 ¹⁾	722	151,129	3,569,843
As of 0:00 23 December (Wed)	3,826,571	52,550	36,726	15,085	739	153,109	3,620,912
Difference	+54,141	+1,092	+798	+277	+17	+1,980	+51,069

* Based on case data reported to the KDCA

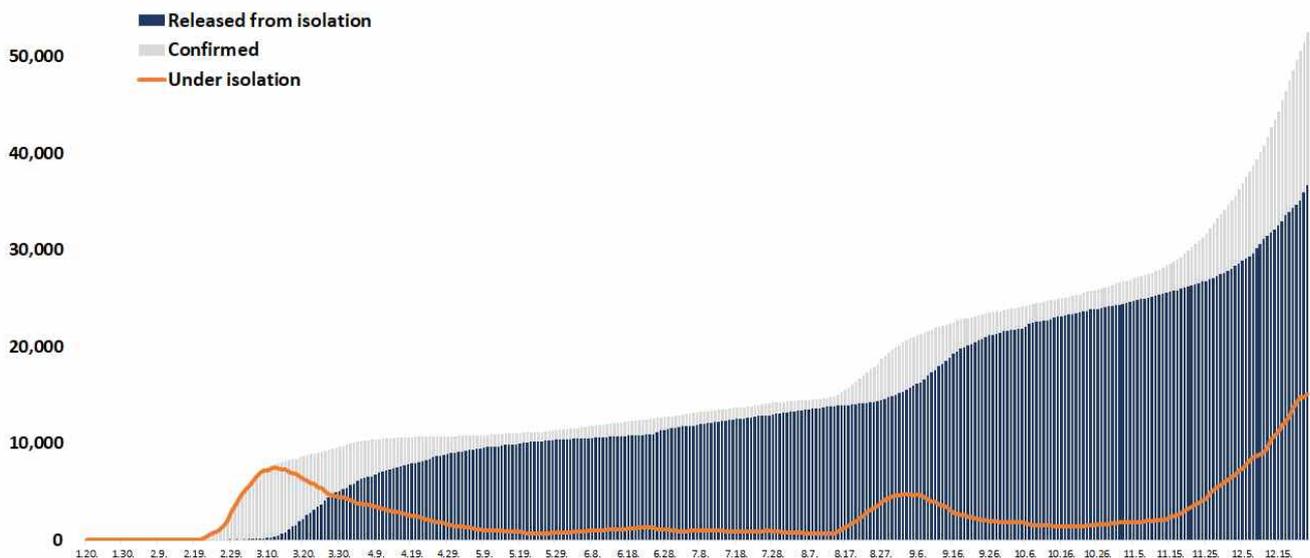
** Testing in progress includes number of completed tests with negative results that are being recorded with delays

※ Figures subject to correction based on findings from epidemiological investigations

¹⁾ Corrected local reporting error (December 22, 0:00, Gyeonggi -2)



Total confirmed cases of COVID-19 in the Republic of Korea





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Updates on COVID-19 in Republic of Korea

23 December 2020

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	373	3	15,732	(29.94)	161.63
Busan	32	0	1,571	(2.99)	46.05
Daegu	24	0	7,581	(14.43)	311.14
Incheon	46	3	2,430	(4.62)	82.20
Gwangju	35	1	941	(1.79)	64.60
Daejeon	34	1	743	(1.41)	50.40
Ulsan	16	2	586	(1.12)	51.09
Sejong	1	0	131	(0.25)	38.27
Gyeonggi	299	11	12,460 ¹⁾	(23.71)	94.04
Gangwon	13	0	1,012	(1.93)	65.69
Chungbuk	58	0	892	(1.70)	55.77
Chungnam	11	0	1,316	(2.50)	62.00
Jeonbuk	20	1	713	(1.36)	39.23
Jeonnam	12	0	525	(1.00)	28.15
Gyeongbuk	25	0	2,119	(4.03)	79.59
Gyeongnam	28	1	1,124	(2.14)	33.44
Jeju	33	0	304	(0.58)	45.32
Border Screening	0	9	2,370	(4.51)	-
Total	1,060	32	52,550¹⁾	(100)	101.35

* 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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Updates on COVID-19 in Republic of Korea

23 December 2020

Confirmed cases by gender and age group

		New cases (%)	Total cases (%)	Incidence rate* (per 100,000)
Total		1,092 (100)	52,550 (100)	101.35
Sex	Male	530 (48.53)	25,282 (48.11)	97.75
	Female	562 (51.47)	27,268 (51.89)	104.94
Age	80 or above	83 (7.60)	2,562 (4.88)	134.90
	70-79	96 (8.79)	4,161 (7.92)	115.36
	60-69	189 (17.31)	8,204 (15.61)	129.31
	50-59	246 (22.53)	9,827 (18.70)	113.38
	40-49	144 (13.19)	7,367 (14.02)	87.81
	30-39	124 (11.36)	6,642 (12.64)	94.28
	20-29	102 (9.34)	8,758 (16.67)	128.67
	10-19	62 (5.68)	3,268 (6.22)	66.15
	0-9	46 (4.21)	1,761 (3.35)	42.45

* 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		17 (100)	739 (100)	1.41
Sex	Male	9 (52.94)	374 (50.61)	1.48
	Female	8 (47.06)	365 (49.39)	1.34
Age	80 or above	10 (58.82)	394 (53.32)	15.38
	70-79	6 (35.29)	217 (29.36)	5.22
	60-69	1 (5.88)	90 (12.18)	1.10
	50-59	0 (0.00)	29 (3.92)	0.30
	40-49	0 (0.00)	6 (0.81)	0.08
	30-39	0 (0.00)	3 (0.41)	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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Updates on COVID-19 in Republic of Korea

23 December 2020

AGE DISTRIBUTION OF SEVERE/CRITICAL CASES

12.10. 12.11. 12.12. 12.13. 12.14. 12.15. 12.16. 12.17. 12.18. 12.19. 12.20. 12.21. 12.22. 12.23.

Total	172	169	179	179	185	205	226	242	246	275	278	274	281	284
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	Severe/Critical	(%)
Total	284	(100.0)
80 and above	61	(21.5)
70-79	111	(39.1)
60-69	80	(28.2)
50-59	26	(9.2)
40-49	4	(1.4)
30-39	2	(0.7)
20-29	0	(0.0)
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.

※ Figures subject to correction based on findings from epidemiological investigations



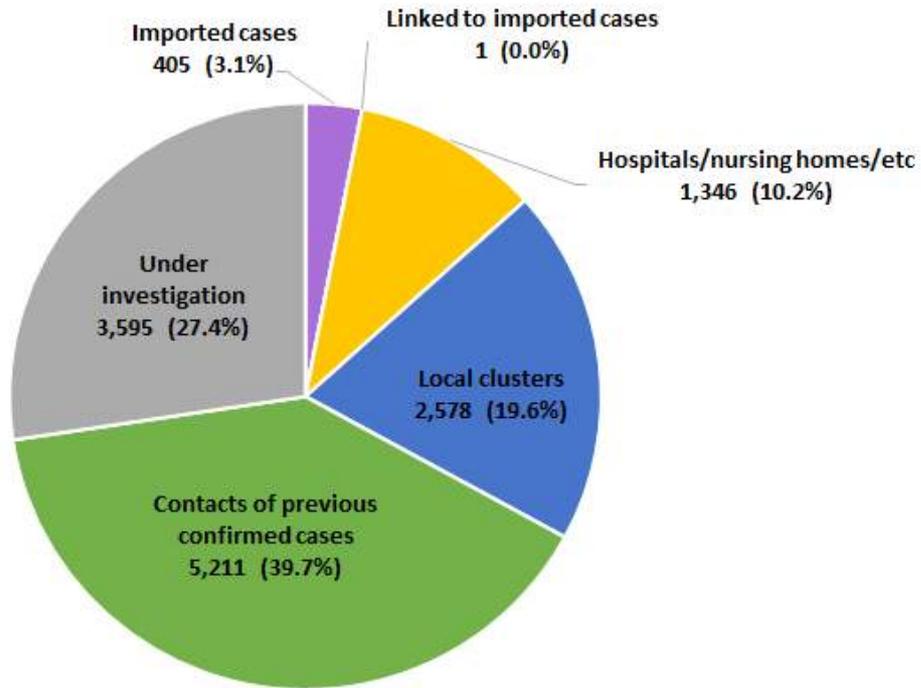
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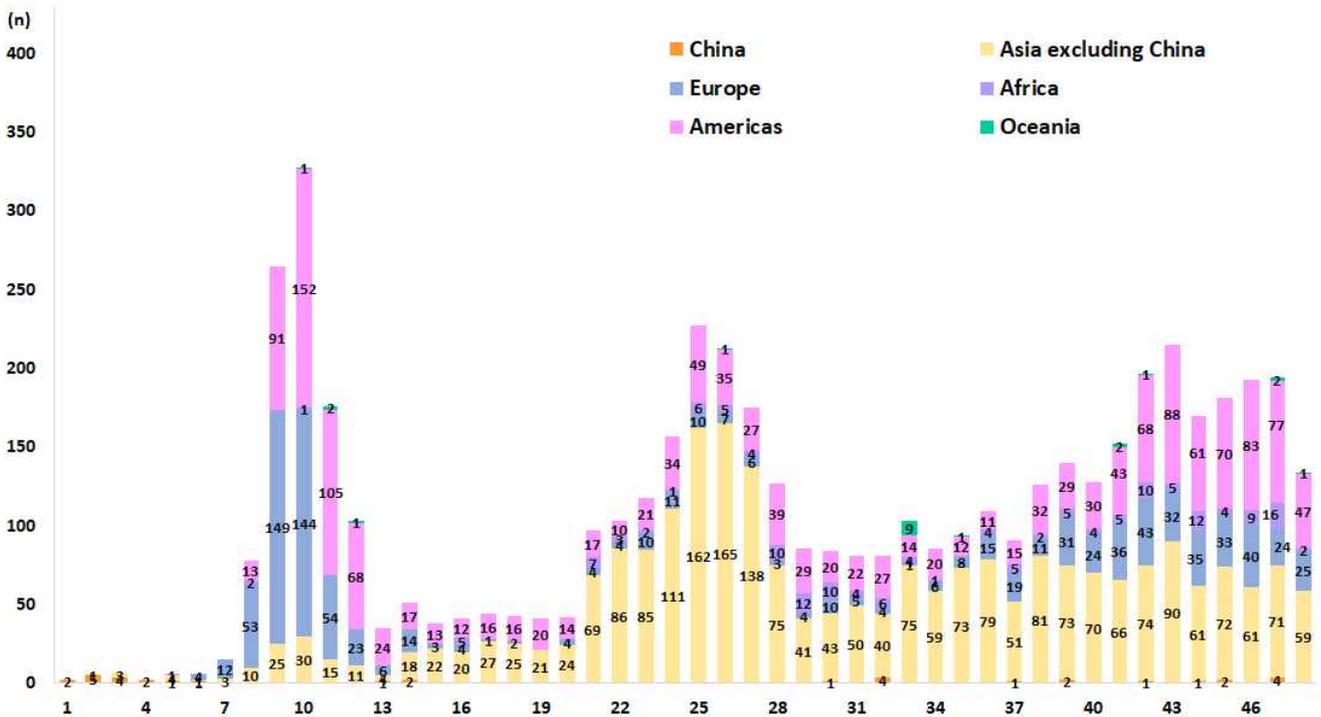
Updates on COVID-19 in Republic of Korea

23 December 2020

NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION



IMPORTED CASES





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Prevention Agency

Updates on COVID-19 in Republic of Korea

23 December 2020

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	15,732	618	6,380	8	6,292	80	4,949	3,785	376	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	1,571	82	1,004	12	937	55	314	171	32	
Daegu	7,581	103	5,648	4,512	1,129	7	1,025	805	24	
Incheon	2,430	153	1,229	2	1,218	9	676	372	49	
Gwangju	941	92	663	9	648	6	108	78	36	
Daejeon	743	44	388	2	385	1	209	102	35	
Ulsan	586	64	415	16	395	4	69	38	18	
Sejong	131	23	70	1	68	1	21	17	1	
Gyeonggi	12,460	1,053	5,061	29	4,964	68	3,897	2,449	310	
Gangwon	1,012	44	667	17	649	1	188	113	13	
Chungbuk	892	70	444	6	431	7	251	127	58	
Chungnam	1,316	108	706	0	705	1	305	197	11	
Jeonbuk	713	76	480	1	479	0	99	58	21	
Jeonnam	525	56	355	1	352	2	71	43	12	
Gyeongbuk	2,119	98	1,470	565	905	0	349	202	25	
Gyeongnam	1,124	111	695	32	659	4	189	129	29	
Jeju	304	28	155	0	154	1	74	47	33	
Ports of Entry	2,370	2,368	0	0	0	0	1	1	9	
Total	52,550 (%)	5,191 (9.9)	25,830 (49.2)	5,213 (9.9)	20,370 (38.8)	247 (0.5)	12,795 (24.3)	8,734 (16.6)	1,092	

* Includes contacts of confirmed cases

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