



KDCA

Korea Disease Control and Prevention Agency

Updates on COVID-19 in Republic of Korea

24 October 2020

□ As of 0:00, 24 October 2020, the total number of confirmed cases is 25,775 (including 3,627 imported cases), of which 23,834 cases have been discharged from isolation. There are 66 new local cases, 11 new imported cases, and 2 new deaths.

Local transmission cases, as of 0:00, 24 October (cumulative since 3 January 2020)

| | Total | City | | | | | | | |
|-------------------|--------|----------|---------|-----------|-----------|----------|----------|------------|------------|
| | | Seoul | Busan | Daegu | Incheon | Gwangju | Daejeon | Ulsan | Sejong |
| New | 66 | 22 | 0 | 0 | 2 | 0 | 5 | 0 | 0 |
| Cumulative | 22,148 | 5,337 | 531 | 7,060 | 913 | 447 | 392 | 118 | 61 |
| | Total | Province | | | | | | | |
| | | Gyeonggi | Gangwon | Chung-buk | Chung-nam | Jeon-buk | Jeon-nam | Gyeong-buk | Gyeong-nam |
| New | 32 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Cumulative | 4,452 | 216 | 143 | 457 | 114 | 137 | 1,512 | 219 | 39 |

Imported cases, as of 0:00, 24 October (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 | 11 | 0 | 6 | 1 | 4 | 0 | 0 | 6 | 5 | 4 | 7 |
| Total | 3,627 | 26 (0.7%) | 1,820 (50.3%) | 643 (17.7%) | 1,024 (28.2%) | 99 (2.7%) | 15 (0.4%) | 1,695 (46.7%) | 1,932 (53.3%) | 2,073 (57.2%) | 1,554 (42.8%) |

※ Asia excluding China: Philippines 3, India 1, Indonesia 1, Iraq 1 / Europe: Ukraine 1 / Americas : US 4

Case status, as of 0:00, 24 October (cumulative since 3 January 2020)

| | Discharged from isolation | Under isolation | Severe/critical cases | Deceased |
|--|---------------------------|-----------------|-----------------------|--------------|
| As of 0:00 24 October (Fri) | 23,717 | 1,526 | 62 | 455 |
| As of 0:00 25 October (Sat) | 23,834 | 1,484 | 60 | 457 |
| Difference | (+) 117 | (-) 42 | (-) 2 | (+) 2 |

* 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

Overall case and test status, as of 0:00, 24 October (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 24 October (Fri) | 2,528,621 | 25,698 | 23,717 | 1,526 | 455 | 20,430 | 2,482,493 |
| As of 0:00 25 October (Sat) | 2,540,679 | 25,775 | 23,834 | 1,484 | 457 | 21,888 | 2,493,016 |
| Difference | +12,058 | +77 | +117 | -42 | +2 | +1,458 | +10,523 |

* 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

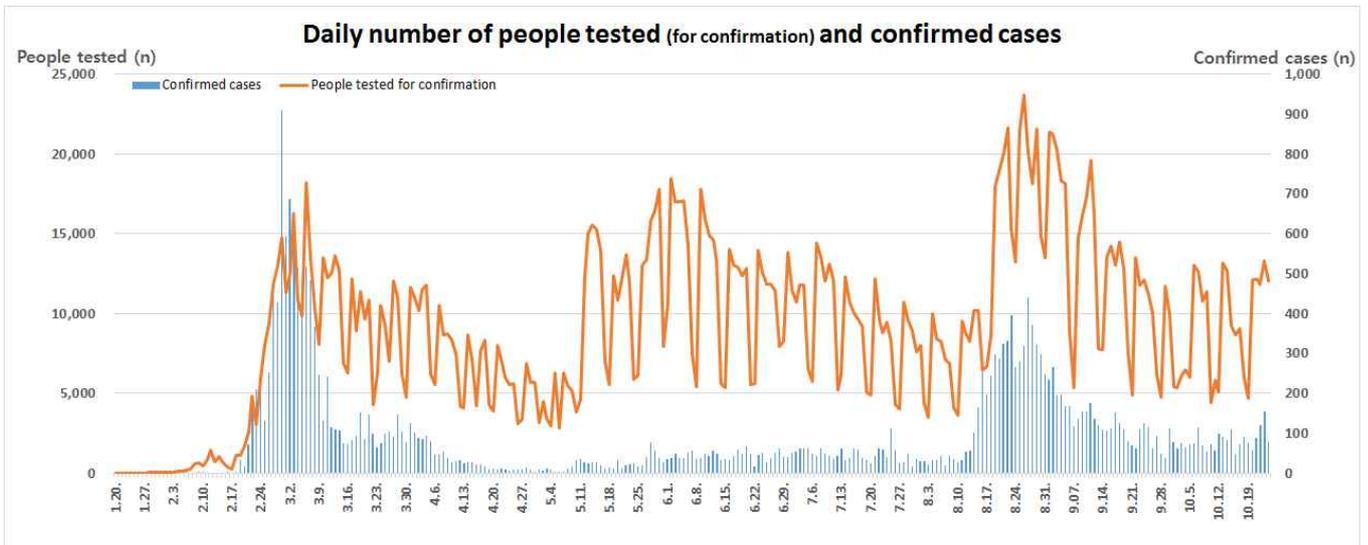


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Regional distribution of cases, as of 0:00, 24 October (cumulative since 3 January 2020)

| Region | New cases | | Total cases | (%) | Incidence rate* (per 100,000) |
|------------------|-----------|-----------|---------------|--------------|----------------------------------|
| | Local | Imported | | | |
| Seoul | 22 | 0 | 5,790 | (22.46) | 59.49 |
| Busan | 0 | 0 | 588 | (2.28) | 17.23 |
| Daegu | 0 | 0 | 7,149 | (27.74) | 293.41 |
| Incheon | 2 | 0 | 1,019 | (3.95) | 34.47 |
| Gwangju | 0 | 0 | 509 | (1.97) | 34.94 |
| Daejeon | 5 | 0 | 428 | (1.66) | 29.03 |
| Ulsan | 0 | 0 | 157 | (0.61) | 13.69 |
| Sejong | 0 | 0 | 78 | (0.30) | 22.79 |
| Gyeonggi | 32 | 3 | 5,126 | (19.89) | 38.69 |
| Gangwon | 0 | 0 | 246 | (0.95) | 15.97 |
| Chungbuk | 0 | 0 | 184 | (0.71) | 11.50 |
| Chungnam | 5 | 0 | 527 | (2.04) | 24.83 |
| Jeonbuk | 0 | 0 | 160 | (0.62) | 8.80 |
| Jeonnam | 0 | 2 | 181 | (0.70) | 9.71 |
| Gyeongbuk | 0 | 0 | 1,578 | (6.12) | 59.27 |
| Gyeongnam | 0 | 0 | 301 | (1.17) | 8.95 |
| Jeju | 0 | 0 | 59 | (0.23) | 8.80 |
| Border Screening | 0 | 6 | 1,695 | (6.58) | - |
| Total | 66 | 11 | 25,775 | (100) | 49.71 |

* 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 (24 October 2020)

| Cluster | Location | New cases | Total cases | Note |
|---|--------------------|-----------|-------------|---|
| Family in Guro-gu | Seoul | 12 | 13 | Index and family (4) Family's coworkers (4) Acquaintance and their family (5) |
| Social gathering in Gangnam/Seocho | Seoul | 4 | 29 | Gathering participants (8) including index case Family/friends (11) Others (10) |
| Sammo Sporex | Seoul | 3 | 13 | User (7) including index case Family and acquaintance (6) |
| Hangbokhae Nursing Home | Gyeonggi Province | 11 | 46 | Residents (23) including index case Staff (14) Further transmission on: - Different nursing home in the building (2) - Family (7) |
| Hospital/Nursing Home | Gyeonggi Province | 3 | 37 | Staff (8) Patients/users (17) Family and friends (12) |
| SRC Rehabilitation Hospital | Gyeonggi Province | 4 | 128 | Patients (40) Caregivers/care workers (53) Staff (14) Outside hospital (family 11, friends, etc. 10) |
| Pyunggang Clinic | Busan | 1 | 17 | Patients (8) Staff (3) Family and friends of Outpatient (6) including index case |
| Holiday family gathering | Daejeon | 2 | 33 | Family (7) Day Care Center (18) Church (5) Work(1) Healthcare facilities (2) |
| Chungnam University Hospital | Daejeon | 2 | 6 | Family (3) including index case Coworker (2) Family (1) |
| Social Gathering | Chung-nam Province | 2 | 24 | Social gathering (4) including index case Family (1) Sauna user (8) Staff at the sauna (1) Family of the sauna user (10) |

* 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

- KDCA distributed Remdesivir to 671 patients in 63 hospitals
 - Regarding the development of antibody therapeutics, KDCA confirmed that there is a neutralizing effect at the cellular level against six genotypes (S, L, V, G, GH, GR) of domestic COVID19 isolates.
- KDCA repeatedly demanded that the prevention guidelines to be strictly observed within the facility, as the outbreak of groups has continued in high-risk facilities such as nursing homes and mental hospitals.
- KDCA also announced social distancing guidelines for upcoming halloween.



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AGE DISTRIBUTION OF SEVERE-Critical CASES

| | 10.11 | 10.12 | 10.13 | 10.14 | 10.15 | 10.16 | 10.17 | 10.18 | 10.19 | 10.20 | 10.21 | 10.22 | 10.23 | 10.24 |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Total | 86 | 83 | 86 | 81 | 77 | 78 | 78 | 77 | 78 | 71 | 70 | 62 | 62 | 60 |

| | Severe/Critical | (%) |
|--------------|-----------------|------------------|
| Total | 60 | (100.0) |
| 80 and above | 13 | (21.7) |
| 70-79 | 26 | (43.3) |
| 60-69 | 15 | (25.0) |
| 50-59 | 3 | (5.0) |
| 40-49 | 3 | (5.0) |
| 30-39 | 0 | (0.0) |
| 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.



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Confirmed cases by gender and age group

| | | New cases (%) | Total cases (%) | Incidence rate* (per 100,000) |
|-------|-------------|---------------|-----------------|----------------------------------|
| Total | | 77 (100) | 25,775 (100) | 49.71 |
| Sex | Male | 41 (53.25) | 12,003 (46.57) | 46.41 |
| | Female | 36 (46.75) | 13,772 (53.43) | 53.00 |
| Age | 80 or above | 5 (6.49) | 1,115 (4.33) | 58.71 |
| | 70-79 | 5 (6.49) | 2,075 (8.05) | 57.53 |
| | 60-69 | 14 (18.18) | 4,118 (15.98) | 64.91 |
| | 50-59 | 14 (18.18) | 4,738 (18.38) | 54.67 |
| | 40-49 | 9 (11.69) | 3,448 (13.38) | 41.10 |
| | 30-39 | 4 (5.19) | 3,167 (12.29) | 44.95 |
| | 20-29 | 12 (15.58) | 5,055 (19.61) | 74.27 |
| | 10-19 | 7 (9.09) | 1,410 (5.47) | 28.54 |
| | 0-9 | 0 (0.00) | 649 (2.52) | 15.64 |

* 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 | | 2 (100) | 457 (100) | 1.77 |
| Sex | Male | 2 (100) | 244 (53.39) | 2.03 |
| | Female | 0 (0.00) | 213 (46.61) | 1.55 |
| Age | 80 or above | 1 (50.00) | 230 (50.33) | 20.63 |
| | 70-79 | 0 (0.00) | 147 (32.17) | 7.08 |
| | 60-69 | 1 (50.00) | 53 (11.60) | 1.29 |
| | 50-59 | 0 (0.00) | 21 (4.60) | 0.44 |
| | 40-49 | 0 (0.00) | 4 (0.88) | 0.12 |
| | 30-39 | 0 (0.00) | 2 (0.44) | 0.06 |
| | 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



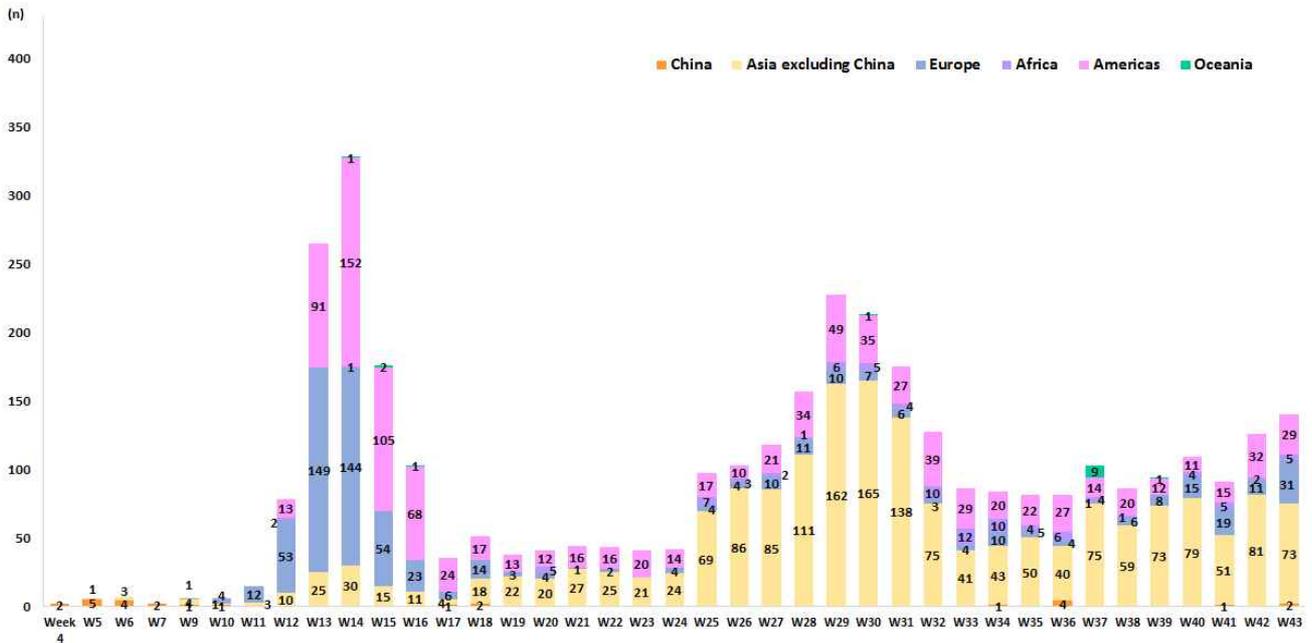
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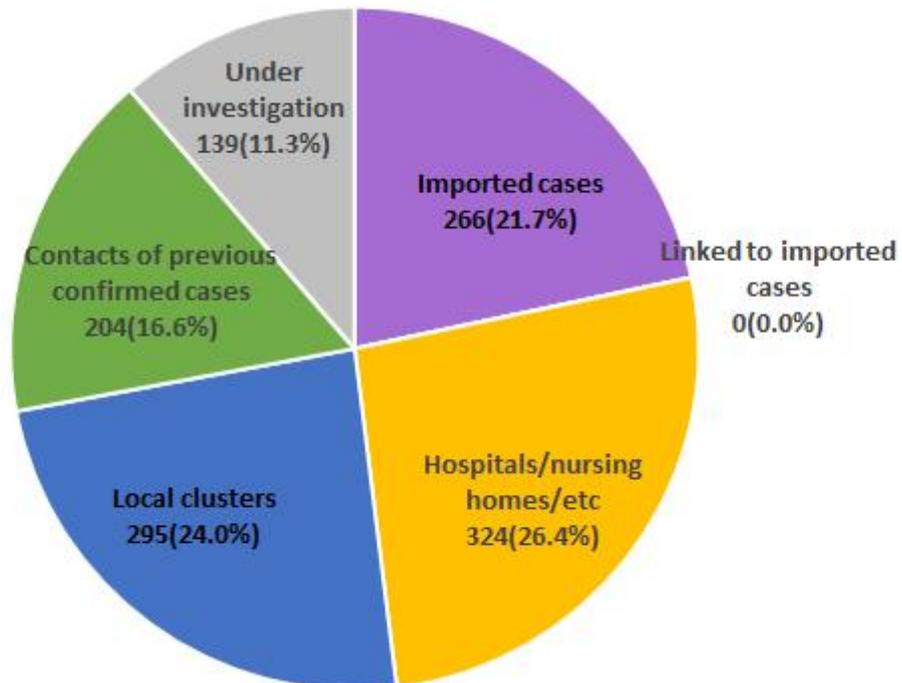
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IMPORTED CASES



NEW CASES (LAST 2 WEEKS) BY CHAIN OF TRANSMISSION





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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 | 5,790 | 453 | 3,181 | 8 | 3,100 | 73 | 1,119 | 1,037 | 22 | Past large clusters: • Sarang Jeil Church (1173) • Aug 15 Seoul rallies (647) • Nightclubs (277) • Richway (210) • 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: • Haetteurak Convalescent Hospital • Master Plus Hospital • SRC Rehabilitation Hospital • Door-to-door sales in Yeongdeungpo / Gwangjin • Dana Mental Hospital • Military garrison in Northern Gyeonggi • Proverbs Medical Devices • Chuseok family gathering in Daejeon • Social gathering in Dongducheon-si • Family meal and social gathering in Daejeon • Seomin Noodles in Songpa-gu • KMGH Holdem Pub • Funeral in Seodaemun-gu |
| Busan | 588 | 57 | 420 | 12 | 353 | 55 | 54 | 57 | 0 | |
| Daegu | 7,149 | 89 | 5,375 | 4,512 | 859 | 4 | 934 | 751 | 0 | |
| Incheon | 1,019 | 106 | 664 | 2 | 654 | 8 | 134 | 115 | 2 | |
| Gwangju | 509 | 62 | 383 | 9 | 368 | 6 | 34 | 30 | 0 | |
| Daejeon | 428 | 36 | 251 | 2 | 249 | 0 | 90 | 51 | 5 | |
| Ulsan | 157 | 39 | 83 | 16 | 63 | 4 | 21 | 14 | 0 | |
| Sejong | 78 | 17 | 47 | 1 | 45 | 1 | 10 | 4 | 0 | |
| Gyeonggi | 5,126 | 674 | 2,981 | 29 | 2,886 | 66 | 821 | 650 | 35 | |
| Gangwon | 246 | 30 | 148 | 17 | 130 | 1 | 40 | 28 | 0 | |
| Chung-buk | 184 | 41 | 89 | 6 | 76 | 7 | 29 | 25 | 0 | |
| Chung-nam | 527 | 70 | 321 | 0 | 320 | 1 | 81 | 55 | 5 | |
| Jeonbuk | 160 | 46 | 71 | 1 | 70 | 0 | 26 | 17 | 0 | |
| Jeonnam | 181 | 44 | 104 | 1 | 101 | 2 | 23 | 10 | 2 | |
| Gyeong-buk | 1,578 | 66 | 1,171 | 565 | 606 | 0 | 200 | 141 | 0 | |
| Gyeong-nam | 301 | 82 | 176 | 32 | 141 | 3 | 20 | 23 | 0 | |
| Jeju | 59 | 20 | 13 | 0 | 12 | 1 | 20 | 6 | 0 | |
| Ports of Entry | 1,695 | 1,695 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | |
| Total | 25,775 (%) | 3,627 (14.1) | 15,478 (60.1) | 5,213 (20.2) | 10,033 (38.9) | 232 (0.9) | 3,656 (14.2) | 3,014 (11.7) | 77 | |

* Includes contacts of confirmed cases

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