

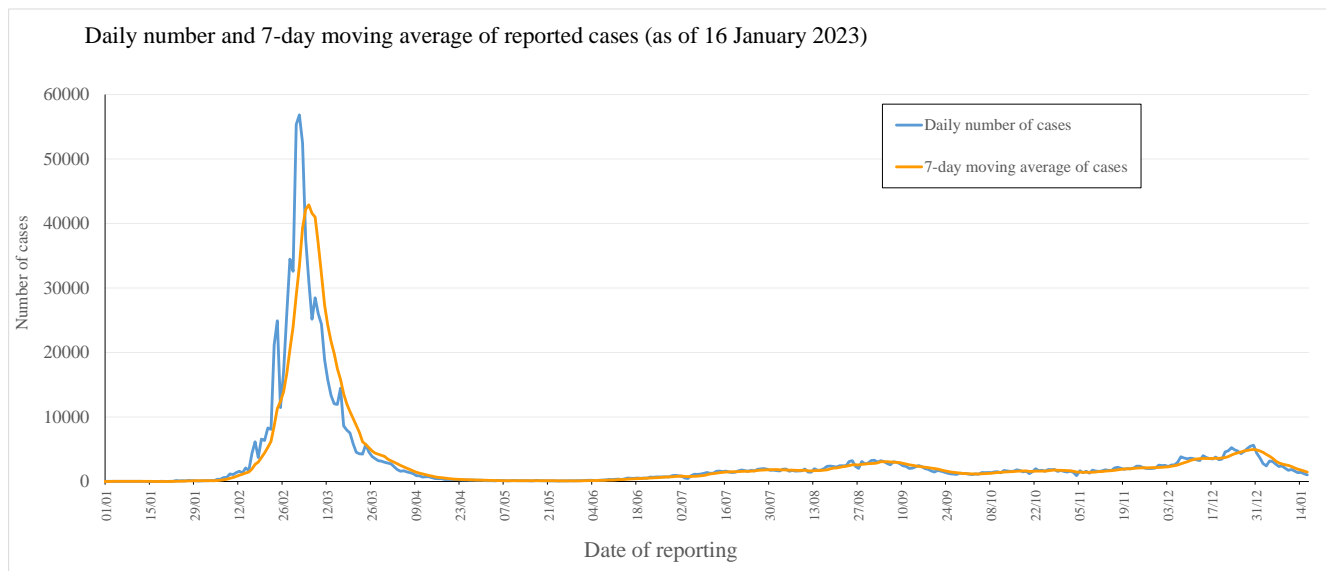
Latest situation of COVID-19 (as of 16 January 2023)

The Centre for Health Protection (CHP) of the Department of Health (DH) today (16 January) announced the latest epidemic situation of COVID-19. As of 0.00am, 16 January 2023, the CHP was investigating 4529 additional locally acquired cases tested positive for the SARS-CoV-2 virus, including 1026 cases tested positive by nucleic acid tests and 3503 cases tested positive by rapid antigen tests (RATs) in the past 24 hours. Separately, 124 additional imported cases were reported, including 11 cases tested positive by nucleic acid tests and 113 cases tested positive by RATs. So far, Hong Kong has recorded a total of 1207573 and 1628797 cases tested positive by nucleic acid tests and RATs respectively for the SARS-CoV-2 virus.

Since the 5th wave (31 December 2021), 1194942 cases and 1628797 cases were tested positive by nucleic acid tests and rapid antigen tests respectively.

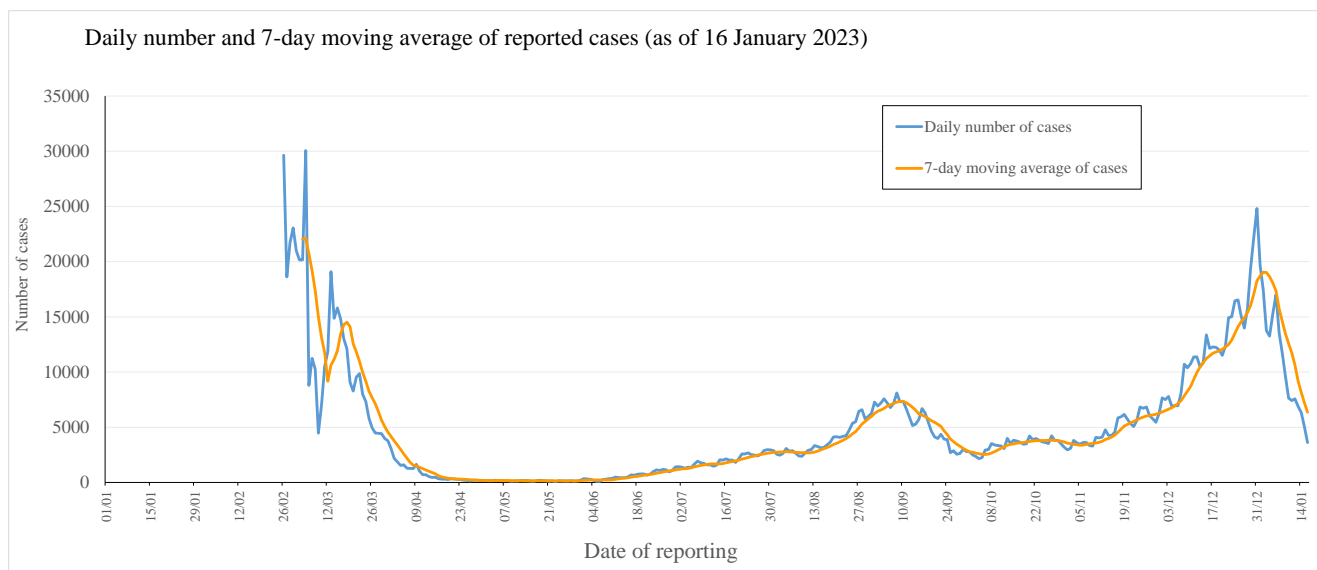
In the recent 7-day period from 10 to 16 January 2023, an average of 1461.7 cases by nucleic acid tests were reported per day, as compared with 2600.0 cases per day reported in the previous 7-day period from 3 to 9 January 2023 (Figure 1(i)).

Figure 1(i): Daily number and 7-day moving average of cases tested positive for SARS-CoV-2 virus by nucleic acid tests since 2022



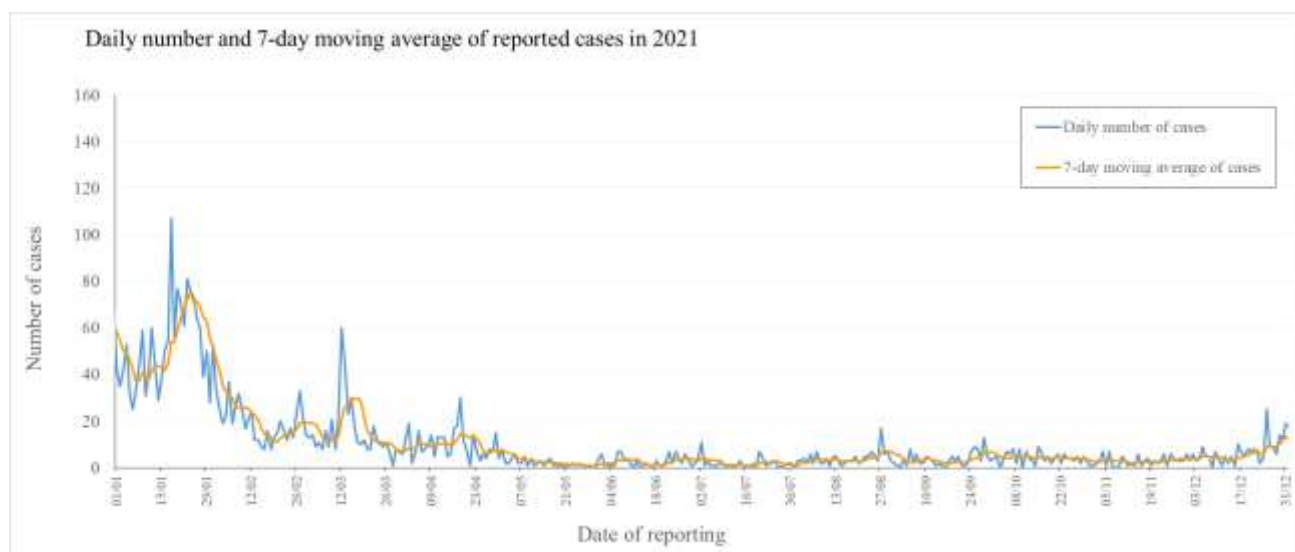
Note: Re-positive cases are excluded in Figure 1(i).

Figure 1(ii): Daily number and 7-day moving average of cases tested positive for SARS-CoV-2 virus by rapid antigen tests



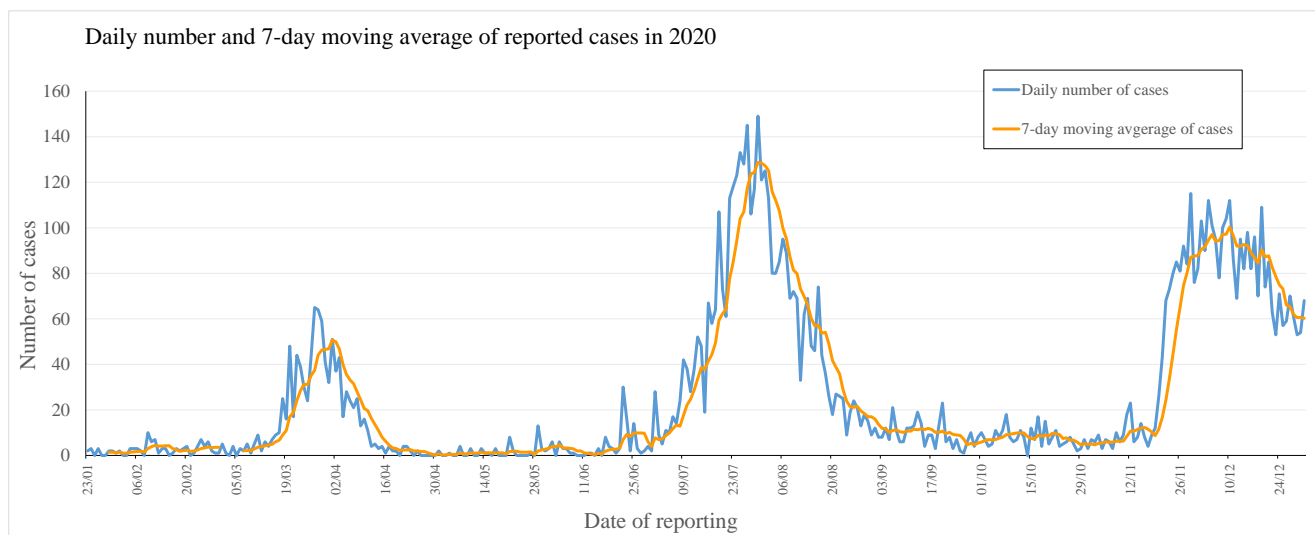
Note: Re-positive cases are excluded in Figure 1(ii).

Figure 1(iii): Daily number and 7-day moving average of cases tested positive for SARS-CoV-2 virus by nucleic acid tests in 2021



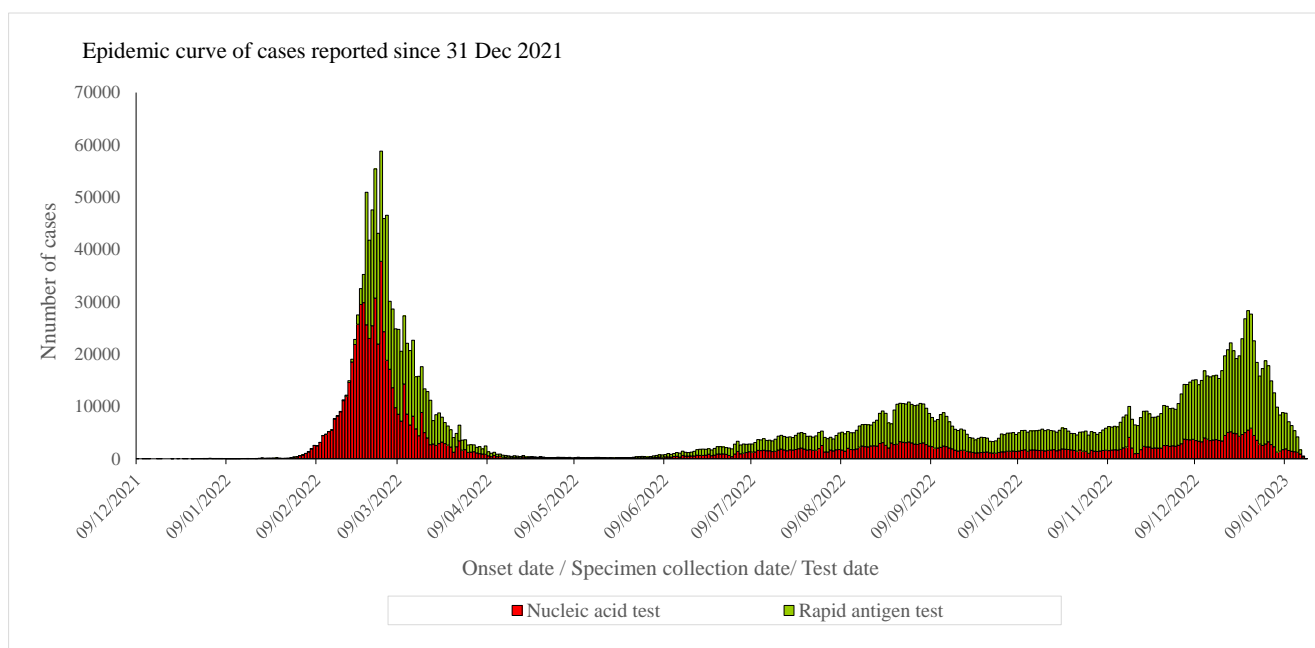
Note: Re-positive cases are excluded in Figure 1(iii).

Figure 1(iv): Daily number and 7-day moving average of cases tested positive for SARS-CoV-2 virus by nucleic acid tests in 2020



Note: Re-positive cases are excluded in Figure 1(iv).

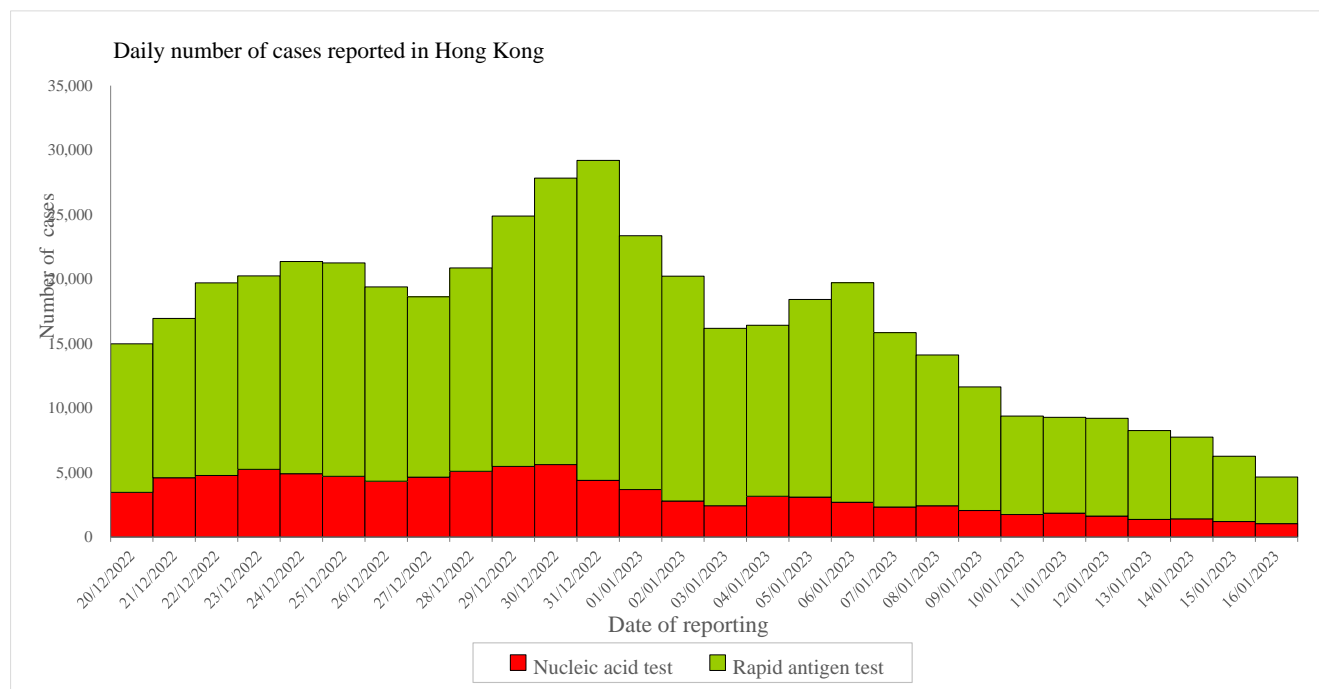
Figure 2: Epidemic curve of cases tested positive for SARS-CoV-2 virus in Hong Kong since 31 December 2021



Note:

1. Specimen collection dates are used for cases without information of onset dates.
2. Cases still under investigation are excluded in Figure 2.
3. Starting from 29 August 2022, the CHP only verifies cases reported via the "Declaration System for individuals tested positive for COVID-19 using Rapid Antigen Test" by sampling with nucleic acid test.

Figure 3: Daily number of cases tested positive for SARS-CoV-2 virus reported in the past 4 weeks



Note:

Starting from 29 August 2022, the CHP only verifies cases reported via the "Declaration System for individuals tested positive for COVID-19 using Rapid Antigen Test" by sampling with nucleic acid test.

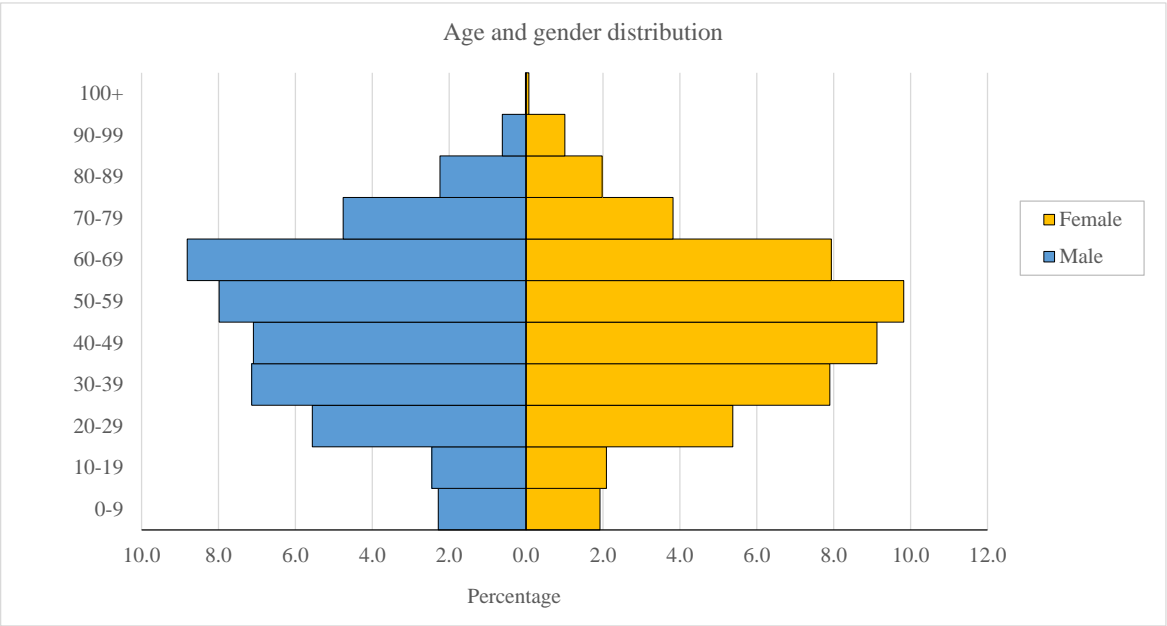
Table 1 shows the classification of cases reported since the 5th wave (since 31 December 2021).

Table 1: Number of cases tested positive for SARS-CoV-2 virus by nucleic acid tests and rapid antigen tests by classification

| Reporting period | Imported case | Locally acquired case | Period total |
|-------------------------|---------------|-----------------------|-------------------|
| Since the 5th wave | 80302 (2.84%) | 2743437 (97.16%) | 2823739 (100.00%) |
| In the past 4 weeks | | | |
| 20/12/2022 - 26/12/2022 | 6461 (4.82%) | 127446 (95.18%) | 133907 (100.00%) |
| 27/12/2022 - 2/1/2023 | 5535 (3.35%) | 159479 (96.65%) | 165014 (100.00%) |
| 3/1/2023 - 9/1/2023 | 2347 (2.09%) | 110010 (97.91%) | 112357 (100.00%) |
| 10/1/2023 - 16/1/2023 | 1489 (2.72%) | 53300 (97.28%) | 54789 (100.00%) |

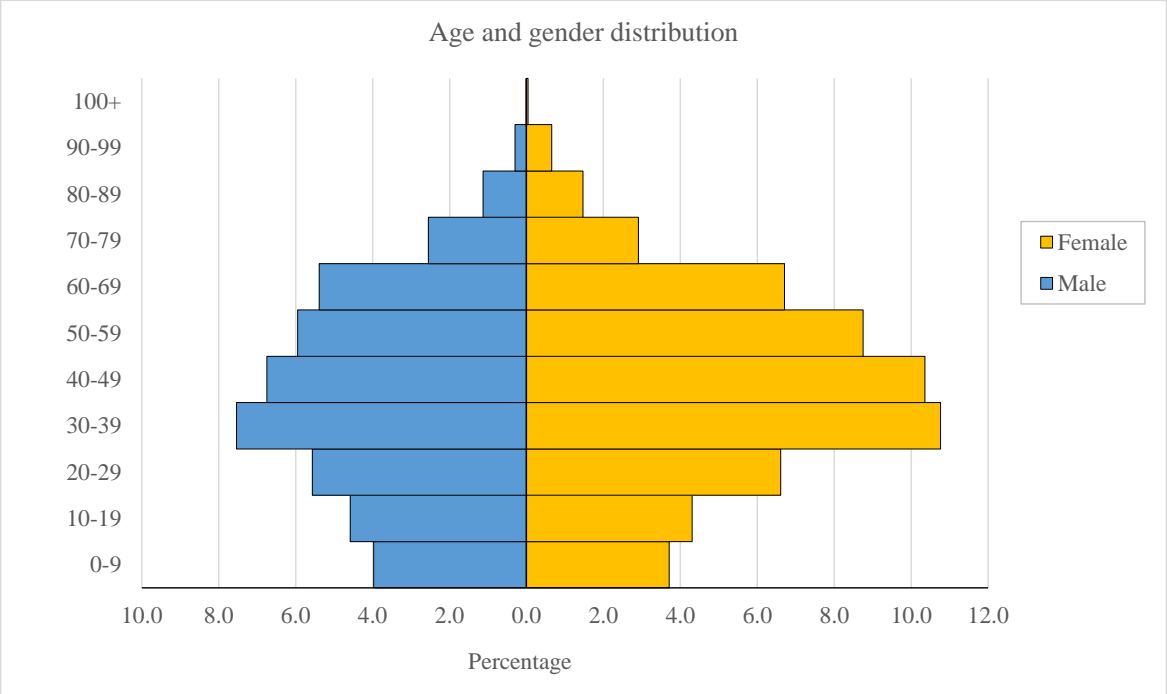
Figure 4 shows the age and gender distribution of the cases (since the 5th wave).

Figure 4(i): Age and gender distribution of cases tested positive for SARS-CoV-2 virus by nucleic acid tests in Hong Kong



Note: Re-positive cases and cases pending investigation are excluded in Figure 4(i).

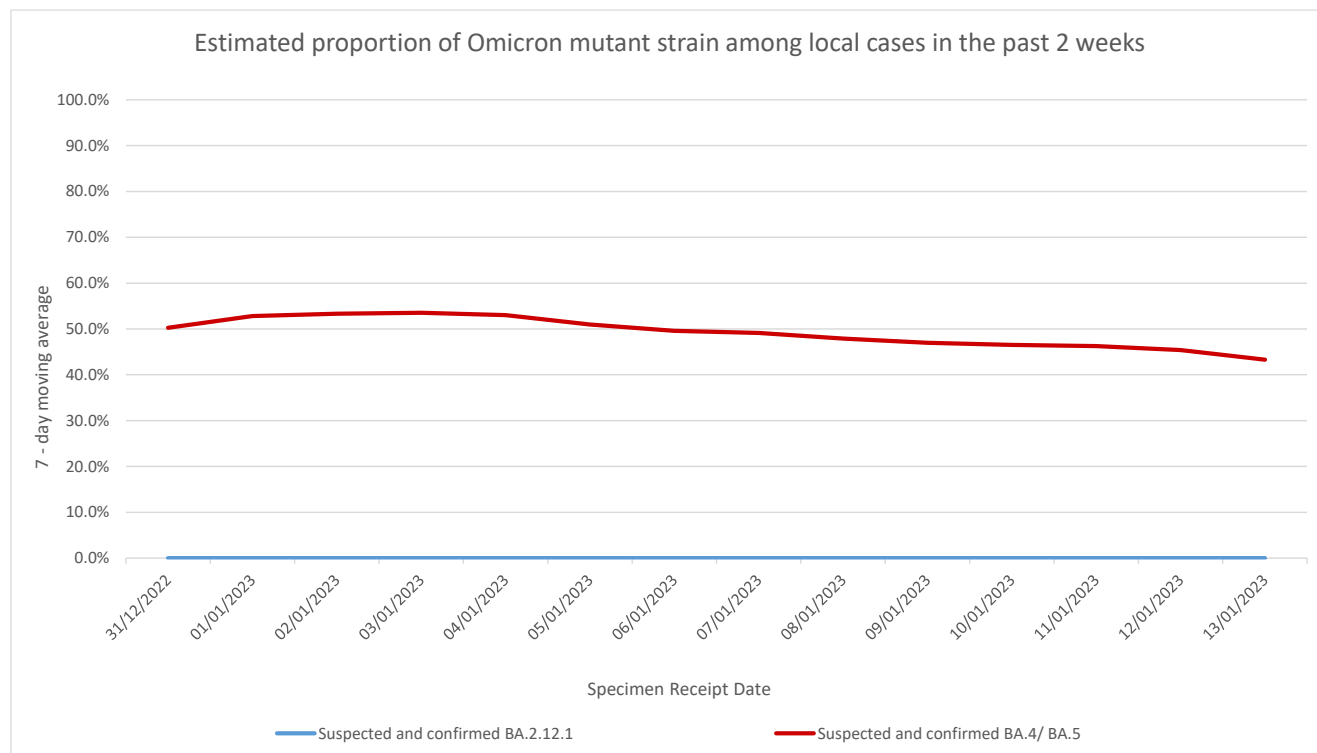
Figure 4(ii): Age and gender distribution of cases tested positive for SARS-CoV-2 virus by rapid antigen tests in Hong Kong



Source of data: Data from the Centre for Health Protection of the Department of Health with available information on age and gender.

Among the specimens received by the Public Health Laboratory Services Branch (PHLSB) during 7 to 13 January 2023 for verification testing of local cases, about 0% and 43.30% of them (7-day moving average) are related to the sub-lineages BA.2.12.1 and BA.4/BA.5* (including suspected cases) of the Omicron mutant strain respectively.

Figure 5: Estimated proportion of Omicron mutant strain among local cases in the past 2 weeks



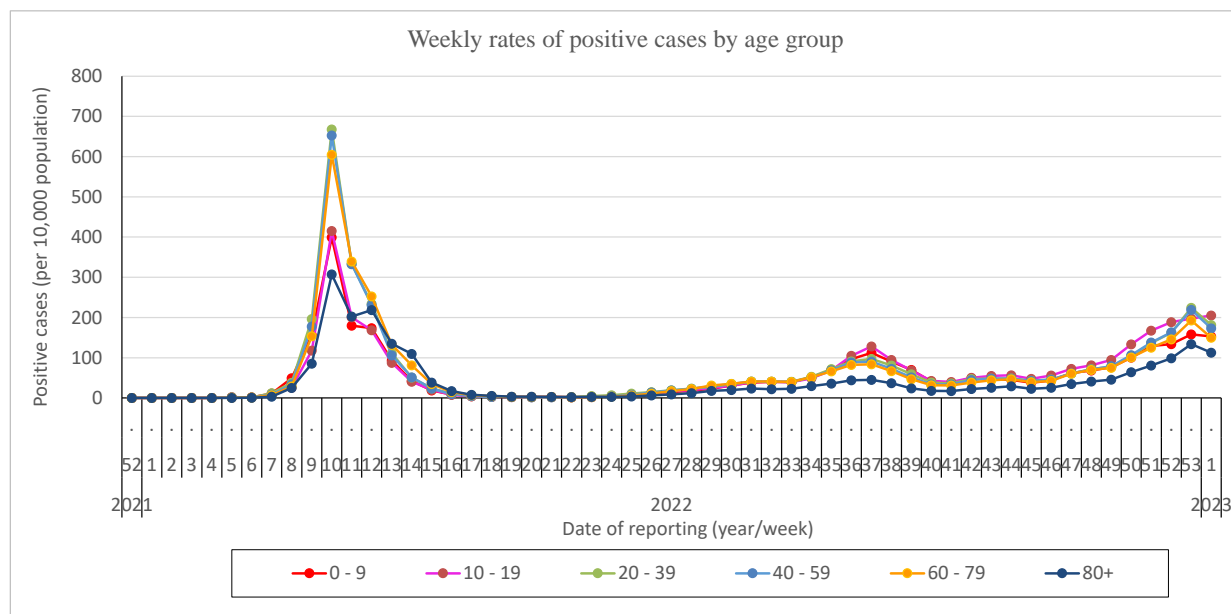
Note:

1. Related percentages are estimated from the specimens received by the PHLSB for verification testing of local cases.
2. Data may be subject to changes when there is new information available.

*Based on sampling by PHLSB for further characterisation, among specimens related to BA.4/BA.5 received from 2 to 8 January 2023, 91.3% were BA.5. (to be updated weekly)

In addition, as of 0.00am, 16 January, PHLSB had identified 227 cases of sub-lineage XBB (including 1 case of XBB.1.5), 6 of XBD, 8 of BA.2.75.2, 7 of BA.4.6, 13 of BF.7 and 38 of BQ.1.1 among imported cases in Hong Kong, while 182 cases of sub-lineage XBB (including 2 cases of XBB.1.5), 18 of XBD, 1 of BA.2.75.2, 36 of BF.7 and 210 of BQ.1.1 have also been detected among local cases.

Figure 6: Weekly rates of positive cases tested by nucleic acid tests and rapid antigen tests (by age group) since the 5th wave



Note:

1. Both imported and re-positive cases are excluded in Figure 6.
2. Data in Figure 6 may be subject to changes when there is new information available.
3. Figure 6 (with data as of the preceding week) will be updated every Tuesday.

Table 2: Incidences of cases tested positive for SARS-CoV-2 virus by nucleic acid tests and rapid antigen tests by residential districts since 2022

| Region | Cumulative Incidence | District | Cumulative Incidence | Oct | Nov | Dec | Jan |
|----------------------|----------------------|---------------------|----------------------|-------|-------|-------|-------|
| Hong Kong | 2633.7 | Central and Western | 2257.8 | 139.2 | 198.8 | 473.4 | 114.3 |
| | | Wan Chai | 2052.3 | 146.2 | 166.2 | 405.1 | 117.4 |
| | | Eastern | 2896.8 | 191.4 | 240.8 | 586.4 | 157.8 |
| | | Southern | 2811.6 | 187.5 | 239.5 | 527.3 | 141.6 |
| Kowloon | 3135.7 | Kowloon City | 2787.0 | 166.5 | 217.5 | 571.5 | 142.4 |
| | | Kwun Tong | 3444.2 | 180.7 | 221.4 | 617.4 | 146.6 |
| | | Sham Shui Po | 3030.0 | 140.8 | 192.5 | 529.8 | 132.4 |
| | | Wong Tai Sin | 3372.5 | 162.9 | 227.0 | 582.9 | 141.3 |
| | | Yau Tsim Mong | 2759.2 | 148.8 | 187.1 | 496.8 | 114.4 |
| New Territories East | 3160.8 | Islands | 2600.3 | 156.8 | 234.1 | 522.2 | 125.2 |
| | | North | 3387.2 | 197.8 | 291.6 | 751.9 | 195.9 |
| | | Sai Kung | 3086.9 | 194.6 | 255.6 | 666.5 | 178.4 |
| | | Sha Tin | 3278.6 | 184.6 | 241.9 | 671.8 | 171.5 |
| | | Tai Po | 3123.9 | 185.3 | 291.1 | 613.5 | 159.3 |
| New Territories West | 3237.4 | Kwai Tsing | 3250.8 | 149.6 | 209.0 | 555.1 | 147.0 |
| | | Tsuen Wan | 3051.5 | 183.0 | 244.6 | 611.4 | 167.0 |
| | | Tuen Mun | 3425.4 | 170.0 | 266.9 | 685.4 | 191.8 |
| | | Yuen Long | 3174.8 | 174.6 | 241.8 | 688.3 | 192.7 |

Note:

1. Cases with multiple/ pending/ unknown residential address are excluded in Table 2.
2. Data in Table 2 are shown as number of cases per 10,000 population.
3. Table 2 (with data as of the preceding week) will be updated every Tuesday.

**Table 3 : Number of cases tested positive for SARS-CoV-2 virus reported
among schools in the past 4 weeks**

| Reporting Period | No. of schools with case(s) reported | No. tested positive reported by schools | |
|-----------------------|--------------------------------------|---|-------|
| | | Student | Staff |
| 11/12/2022-17/12/2022 | 1607 | 11431 | 2018 |
| 18/12/2022-24/12/2022 | 1289 | 7867 | 1552 |
| 25/12/2022-31/12/2022 | 154 | 259 | 210 |
| 01/01/2023-07/01/2023 | 1326 | 4530 | 1204 |

Note:

1. Number of schools is deduplicated based on the reporting week.
2. Table 3 (with data as of the preceding week) will be updated every Tuesday.

**Table 4 : Number of cases tested positive for SARS-CoV-2 virus reported
among residential care homes (RCHs) in the past 4 weeks**

| Reporting Period | No. of RCHs with case(s) reported | No. tested positive reported by RCHs | |
|-----------------------|-----------------------------------|--------------------------------------|-------|
| | | Resident | Staff |
| 11/12/2022-17/12/2022 | 365 | 1969 | 1032 |
| 18/12/2022-24/12/2022 | 494 | 3447 | 1451 |
| 25/12/2022-31/12/2022 | 623 | 4456 | 1870 |
| 01/01/2023-07/01/2023 | 547 | 3234 | 1227 |

Note:

1. Number of RCHs is deduplicated based on the reporting week.
2. Table 4 (with data as of the preceding week) will be updated every Tuesday.

Since 31 December 2019, the CHP of the DH has recorded a total of 12863 fatal cases.

Since the 5th wave, a total of 12650 fatal cases have been recorded.

Table 5: Case fatality rate (CFR) by age group and vaccination status (since the 5th wave)

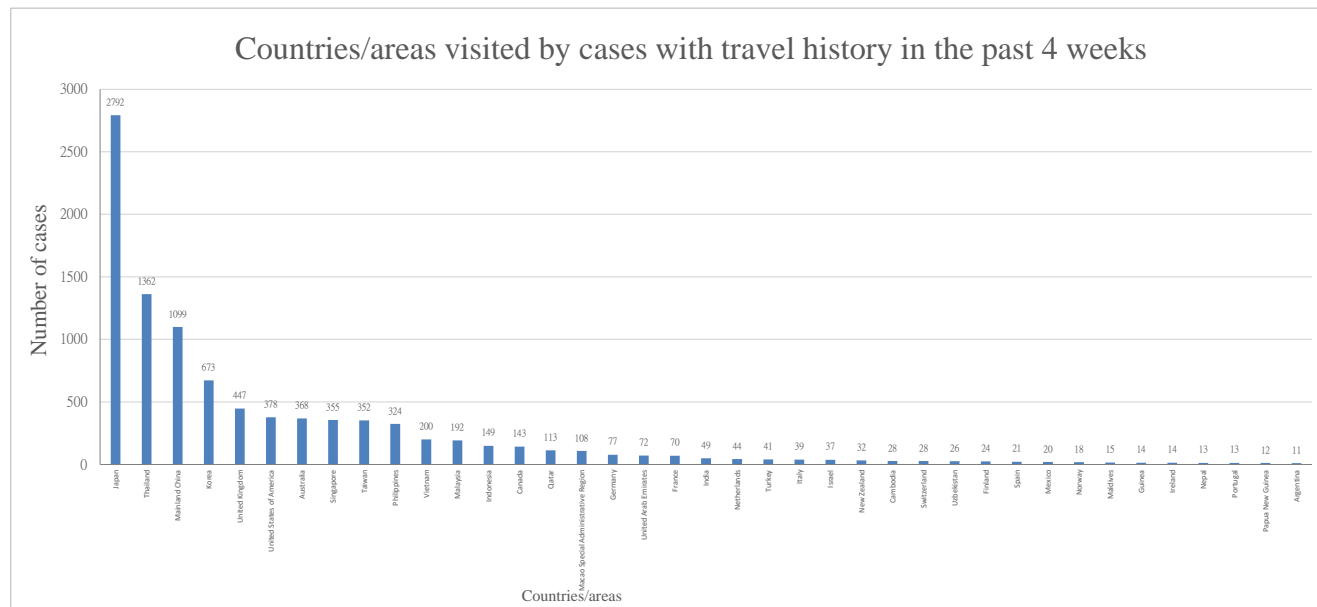
| Age Group | CFR of locally acquired cases | CFR of locally acquired cases with history of at least 2 doses of COVID-19 vaccine | CFR of locally acquired cases with history of 1 dose of COVID-19 vaccine or unvaccinated |
|------------------|--|---|---|
| 0-9 | 0.01% | 0.00% | 0.01% |
| 10-19 | 0.00% | 0.00% | 0.01% |
| 20-29 | 0.01% | 0.00% | 0.02% |
| 30-39 | 0.01% | 0.00% | 0.03% |
| 40-49 | 0.02% | 0.01% | 0.10% |
| 50-59 | 0.08% | 0.04% | 0.44% |
| 60-69 | 0.27% | 0.11% | 1.14% |
| 70-79 | 1.09% | 0.43% | 3.15% |
| 80+ | 6.83% | 2.81% | 12.17% |
| Overall | 0.45% | 0.15% | 1.71% |

Source of data: Data from the Centre for Health Protection of the Department of Health with available information on age and vaccination status.

Note: Table 5 (with data as of the preceding week) will be updated every Tuesday.

Figure 7 shows the countries/areas visited by the cases tested positive by nucleic acid tests reported in the past 4 weeks with travel history outside Hong Kong during the incubation period.

Figure 7: Countries/areas visited by cases tested positive by nucleic acid tests reported in the past 4 weeks with travel history



Note:

1. Some cases had visited more than one country/area.
2. Re-positive cases are excluded in Figure 7.
3. Only countries/ areas visited by 10 or more cases are included in Figure 7.