# **Latest situation of COVID-19 (as of 16 October 2022)**

The Centre for Health Protection (CHP) of the Department of Health (DH) today (16 October) announced the latest epidemic situation of COVID-19. As of 0.00am, 16 October 2022, the CHP was investigating 5179 additional locally acquired cases tested positive for the SARS-CoV-2 virus, including 1454 cases tested positive by nucleic acid tests and 3725 cases tested positive by rapid antigen tests (RATs) in the past 24 hours. Separately, 385 additional imported cases were reported, including 349 cases tested positive by nucleic acid tests and 36 cases tested positive by RATs. So far, Hong Kong has recorded a total of 973243 and 864605 cases tested positive by nucleic acid tests and RATs respectively for the SARS-CoV-2 virus.

Since the 5th wave (31 December 2021), 960612 cases and 864605 cases were tested positive by nucleic acid tests and rapid antigen tests respectively.

In the recent 7-day period from 10 to 16 October 2022, an average of 1598.1 cases by nucleic acid tests were reported per day, as compared with 1334.9 cases per day reported in the previous 7-day period from 3 to 9 October 2022 (Figure 1(i)).

Daily number and 7-day moving average of reported cases (as of 16 October 2022)

Daily number of cases

— Daily number of cases

— 7-day moving average of cases

— 7-day moving average of cases

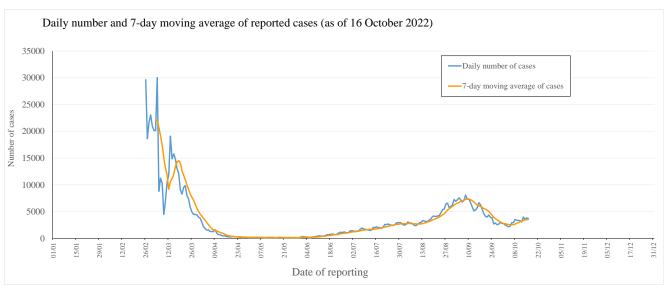
— 7-day moving average of cases

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

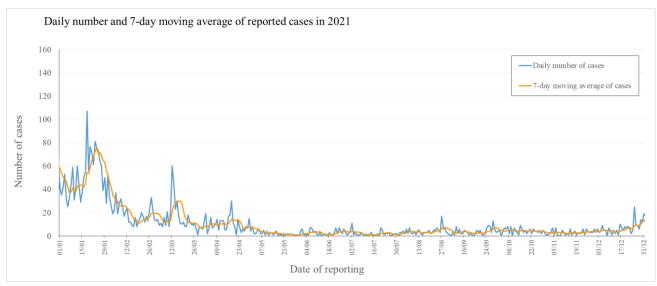
Note: Re-positive cases are excluded in Figure 1(i).

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



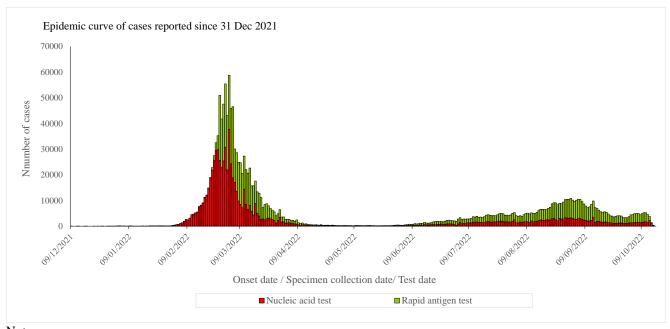
Note: Re-positive cases are excluded in Figure 1(iii).

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).

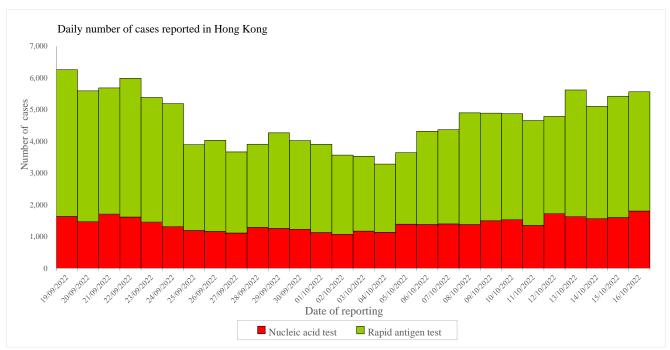
Figure 2: Epidemic curve of cases tested positive for SARS-CoV-2 virus in Hong Kong since 31 December 2021



### 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.

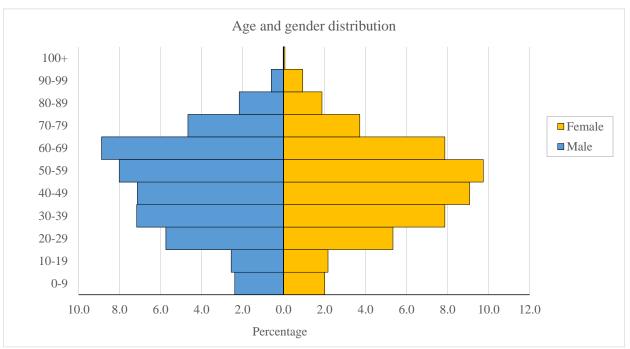
Table 1 shows the classification of cases reported since the 5<sup>th</sup> wave (since 31 December 2021).

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	29129 (1.60%)	1796088 (98.40%)	1825217 (100.00%)	
In the past 4 weeks				
19/9/2022 - 25/9/2022	1043 (2.74%)	36962 (97.26%)	38005 (100.00%)	
26/9/2022 - 2/10/2022	1488 (5.43%)	25892 (94.57%)	27380 (100.00%)	
3/10/2022 - 9/10/2022	2273 (7.86%)	26661 (92.14%)	28934 (100.00%)	
10/10/2022 - 16/10/2022	2557 (7.10%)	33477 (92.90%) 36034 (100.0		

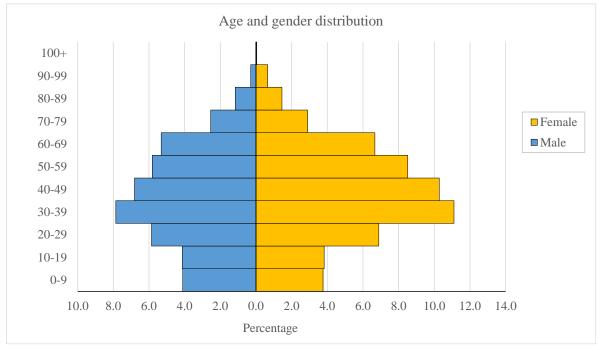
Figure 4 shows the age and gender distribution of the cases (since the 5<sup>th</sup> wave).

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).

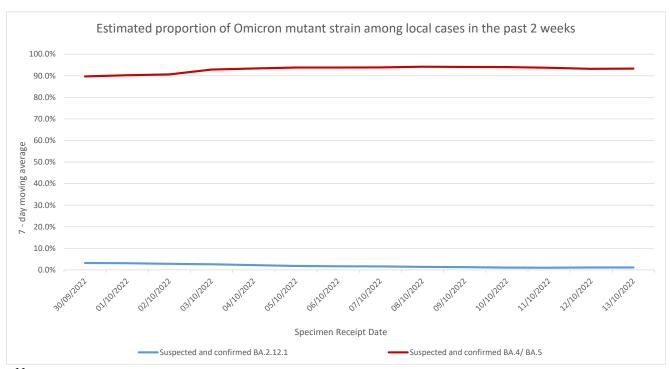
Figure 4(ii): Age and gender distribution of cases tested positive for SARS-CoV-2 virus by rapid antigen tests in Hong Kong



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 during 7 to 13 October for verification testing of local cases, about 1.1% and 93.3% 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



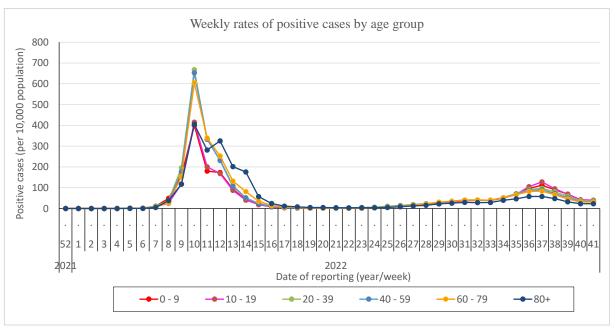
# Note:

- 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.

In addition, as of 16 October, a total of 55, 4, 1 and 5 cases of sub-lineages XBB, BA.2.75.2, BA.4.6 and BQ.1.1 respectively have been identified by the PHLSB among imported cases.

<sup>\*</sup>Based on sampling by PHLSB for further characterisation, among specimens related to BA.4/BA.5 received from 3 - 9 October 2022, 94.8% were BA.5. (to be updated weekly)

Figure 6: Weekly rates of positive cases tested by nucleic acid tests and rapid antigen tests (by age group) since the 5<sup>th</sup> 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 in 2022

Region	Cumulative Incidence	District	Cumulative Incidence	Jul	Aug	Sep	Oct
Hong Kong	1603.6	Central and Western	1359.2	92.3	147.6	217.3	28.1
		Wan Chai	1243.2	89.8	161.4	213.7	27.1
		Eastern	1754.1	124.2	223.8	285.1	34.9
		Southern	1749.9	136.6	200.5	265.0	35.6
		Kowloon City	1720.1	102.4	199.2	257.9	32.8
		Kwun Tong	2311.5	127.5	232.4	294.6	34.9
Kowloon	2085.0	Sham Shui Po	2059.6	109.8	178.7	238.3	27.2
		Wong Tai Sin	2289.5	121.8	220.6	284.7	32.8
		Yau Tsim Mong	1839.3	93.1	165.9	205.9	29.0
		Islands	1587.5	142.1	203.4	234.1	27.0
New		North	1984.3	158.9	285.5	340.5	35.9
	1919.3	Sai Kung	1831.5	133.3	252.9	334.7	41.3
		Sha Tin	2044.5	129.4	259.3	330.0	37.6
		Tai Po	1911.0	193.5	260.4	298.2	38.1
	2041.0	Kwai Tsing	2219.0	109.0	181.5	241.3	30.3
New Territories West		Tsuen Wan	1879.3	121.7	213.8	273.4	35.1
		Tuen Mun	2143.7	127.1	248.9	280.5	34.3
		Yuen Long	1909.9	135.1	237.8	300.9	34.2

### 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

Donorting Daried	No. of schools with	No. tested positive reported by schools		
Reporting Period	case(s) reported	Student	Staff	
11/09/2022 - 17/09/2022	1449	5750	903	
18/09/2022 - 24/09/2022	1316	4101	684	
25/09/2022 - 01/10/2022	1101	2810	478	
02/10/2022 - 08/10/2022	1112	2972	528	

#### 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

Danauting Davied	No. of RCHs with case(s) reported	No. tested positive reported by RCHs		
Reporting Period		Resident	Staff	
11/09/2022 - 17/09/2022	48	69	10	
18/09/2022 - 24/09/2022	41	56	5	
25/09/2022 - 01/10/2022	27	42	3	
02/10/2022 - 08/10/2022	37	56	4	

### 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 10273 fatal cases.

Since the 5<sup>th</sup> wave, a total of 10060 fatal cases have been recorded.

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

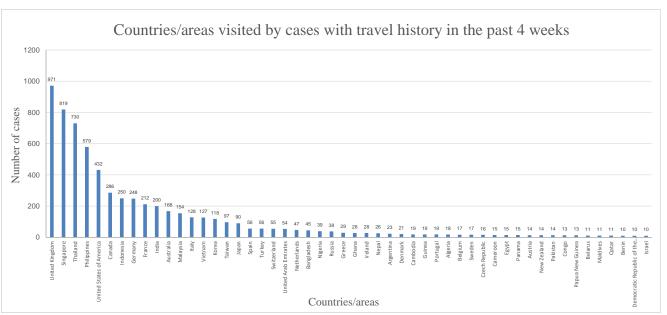
Age Group	CFR of locally acquired cases	CFR of locally acquired cases with history of at least 2 doses of COVID-19 vaccine	CFR of locally acquired cases with history of 1 dose of COVID-19 vaccine or unvaccinated
0-9	0.01%	0.00%	0.01%
10-19	0.00%	0.00%	0.01%
20-29	0.01%	0.01%	0.03%
30-39	0.01%	0.00%	0.04%
40-49	0.02%	0.01%	0.11%
50-59	0.10%	0.04%	0.49%
60-69	0.33%	0.10%	1.21%
70-79	1.33%	0.38%	3.32%
80+	8.39%	2.69%	12.53%
Overall	0.57%	0.12%	1.95%

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.

Centre for Health Protection of the Department of Health Last updated on 16 October 2022