

COVID-19 and Monkeypox

Situational Report in the ASEAN+3 Region

— ASEAN BioDiaspora Virtual Center (ABVC)

COVID-19: Highlights and Situation Overview

Global Update

- **Worldwide**, there have been over 610 million cases and over 6 million deaths attributed to COVID-19.
- **World Health Organization:** Over 4.5 million new cases were recorded for the week of August 22 through August 28, 2022, resulting in a 16% drop in weekly cases worldwide. Over 13,500 fatalities were recorded, a reduction from the previous week's total of over 14,000 additional weekly deaths. Over 598 million confirmed cases and over 6.4 million fatalities had been recorded globally as of 28 August 2022. [[Full Report](#)]

Research Update

- According to a new study on the **Risk of BA.5 Infection among Persons Exposed to Previous SARS-CoV-2 Variants** published on August 31 in the New England Journal of Medicine, infections with previous COVID-19 variants offer more protection against the Omicron BA.5 subvariant in vaccinated people compared with vaccinated people who had no previous infections.⁸ The study was based on research conducted at the University of Lisbon in Portugal and is among the first studies to analyze protection against BA.5 among vaccinated and naturally infected people.⁸ The authors used the Portuguese national registry of COVID-19 cases to determine which variant likely caused infection based on date and variant predominance.⁸ Cases in patients age 12 and older were used. The researchers found that while natural infections from 2020 and 2021 (when the wild-type strain and the Delta variant were predominant) offered some protection against BA.5, people infected with the BA.1 and BA.2 variants, at the beginning of 2022, who were also vaccinated had four times the protection as those who were only vaccinated.⁸ According to the researchers, the study demonstrates, in the period of time analyzed, that previous infection in vaccinated people (the so-called hybrid immunity) continues to confer for the variants that are known for their ability to evade the immune response, such as the subvariant currently dominant.⁸ [[Full Text](#)]

Regional Update

- **Malaysia:** In light of other nations which have abandoned the indoor masking COVID-19 preventative strategy, Malaysia should think about doing the same, the Malaysian Medical Association stated on August 31.¹¹ According to the organization, the Covid-19 situation in the nation is currently calm, therefore Malaysia may stop using its final remaining standard operating procedures to restrict COVID-19 infections.¹¹ As part of the country's transition to COVID-19 endemicity, the Health Ministry made masking outside optional as of May 1; nevertheless, it remained required for inside settings and on public transportation.¹¹ [[Full Article](#)]
- **China:** On September 1 evening, the Chinese city of Chengdu enacted a comprehensive city-wide lockdown, relegating 21 million citizens to their residences as the nation redoubled its commitment to its zero-Covid policy before of a significant Communist Party conference.¹⁰ With the megacity being shut down after more than 700 cases were reported the previous week, the action served as a stark reminder of the lengths the nation is willing to go in order to uphold the zero-tolerance policy favored by leader Xi Jinping.¹⁰ A person was detained by police after allegedly posting "provocative comments" on social media, despite prior efforts by officials to dispel rumors of a lockdown of this nature.¹⁰ From six o'clock in the evening, all inhabitants must remain inside their homes. September 1—aside from the required COVID test.¹⁰ The local authorities said that there would be extensive testing from Thursday through Sunday.¹⁰

According to locals on social media, the city's computerized system used to register COVID tests has frequently collapsed owing to the unexpected rush of submissions, causing long lineups at several testing facilities.¹⁰ [\[Full Article\]](#)

Vaccine Update

- **South Korea:** On September 2, 2022, at a ceremony to celebrate the release of SKYCovione, the nation's first indigenous COVID-19 vaccine, at the bio business in Andong, 191 kilometers southeast of Seoul, Prime Minister Han Duck-soo and staff members of SK Bioscience pose for a photo.
- **U.S. Food and Drug Administration (FDA)** announced on September 1 that it has authorized for emergency use bivalent booster shots that target the Omicron BA.4/BA.5 subvariants. In a statement, the FDA said the authorizations cover the Moderna bivalent vaccine in those ages 18 and older, and the Pfizer/BioNTech vaccine covers people ages 12 and older. The updated boosters can be given at least 2 months after primary vaccination or the last booster vaccination. The FDA said that it has based its authorization on clinical data from trials for a bivalent booster targeting the BA.1 Omicron subvariant, as well as preclinical data on the BA.4/BA.5 version and earlier data from primary vaccination and booster trials. Officials said the earlier data are relevant, given that those vaccines are made using the same process.
- **Canada:** The first "bivalent" COVID-19 vaccine authorized for use in this nation is an improved version of Moderna Inc.'s COVID-19 vaccine that particularly targets the Omicron form.⁹ The revised version may be administered to adults as a booster injection, according to the government agency.⁹ A research comparing the two vaccines found that it provides superior defense against Omicron BA.1, the original strain of the Omicron form of COVID-19.⁹ According to Health Canada, the new vaccination is also effective against more recent Omicron subvariants, which have recently been implicated in an increasing incidence of COVID-19 infections in Canada.⁹ With the approval, the pandemic has entered a new phase in which modifications to mRNA vaccines enable an almost real-time reaction to the virus' altering characteristics.⁹ [\[Full Article\]](#)

Travel Update

- **Myanmar** reimposed a visa-free visit policy for citizens of eight ASEAN (Association of South-East Asian Nations) member countries. According to the statement of the Ministry of Foreign Affairs, diplomatic passport holders, official/service passport holders and ordinary passport holders from the Philippines, Cambodia, Thailand, Singapore, Indonesia, Laos, Vietnam and Brunei are allowed to enter the country visa-free starting from August 31. While visiting the country, citizens from the eight ASEAN countries are required to abide by the rules included in the bilateral visa-free agreements and the health guidelines issued by the Ministry of Health.

Travel Advisories (new update/s)

ASEAN+3 Country	Published	Foreign travelers allowed	COVID-19 vaccination requirement	Required COVID-19 testing for fully vaccinated	Required COVID-19 testing for NOT fully vaccinated	Quarantine upon arrival	Health insurance requirement	Arrival health declaration/ registration/ documents
Brunei	August 2, 2022	Yes	Yes – fully vaccinated* with booster dose certificate for 18 years old and above.	No	Yes – Subjected to a rapid antigen test upon arrival and an RT-PCR test on the day 3 at their own expense. Payment shall be done on this link .	Self-quarantine at a private residence or hotel for NOT fully vaccinated until a negative result of RT-PCR is released. No quarantine requirement for fully vaccinated	Minimum coverage: BN\$20,000	Must download and register on the BruHealth app before departure. Passengers must submit an “Arrival Declaration” form on the Travel Portal. The form must be completed online on www.pmo.gov.bn/travel-portal at most 24 hours before departure.
Cambodia	July 21, 2022	Yes	Yes – fully vaccinated* certificate.	No	Yes – Passengers are subject to a COVID-19 rapid antigen test upon arrival at their own expense.	No	No	No
Indonesia	June 16, 2022	Yes	Yes – fully vaccinated* certificate for 18 years old and above.	Maybe subjected to RT-PCR test upon arrival	Maybe subjected to RT-PCR test upon arrival	5-day quarantine for NOT fully vaccinated. No quarantine requirement for fully vaccinated	No	Traveler is required to download and register at PeduliLindungi app before departure.
Laos	August 9, 2022	Yes	Yes – fully vaccinated* certificate for 12 years old and above.	No	Yes – Negative rapid antigen test within 48 hours before departure for 12 years old and above.	No	No	No
Malaysia	August 2, 2022	Yes	No	No	No	No	No	No
Myanmar	August 31, 2022	Yes Visa-free travel reimposed	Yes – fully vaccinated* certificate for 12 years old and above.	Yes – printed negative COVID-19 antigen test result for 12 years old and above taken within	Foreign travelers who are not fully vaccinated are not allowed to enter or transit Myanmar.	No	Required to obtain Myanmar Insurance	No

		to ASEAN Member States travelers		48 hours before arrival.				
Philippines	August 1, 2022	Yes	Yes – fully vaccinated* with booster dose certificate for 12 years old and above.	No	Yes – Negative RT-PCR test within 48 hours before departure or negative rapid antigen test within 24 hours before departure for 3 years old and above.	No	No	Traveler is required to download and register at One Health Pass app before departure for those without visa.
Singapore	August 29, 2022	Yes	Yes – fully vaccinated* certificate for 13 years old and above and vaccination status on the HealthHub app or TraceTogether app or acceptance letter issued by the Safe Travel Office (STO) or SGAC acknowledgment email.	No	Yes – Negative COVID-19 test within 48 hours before departure for 13 years old and above.	No	No	Traveler is required to download and register at SG Arrival Card app before departure.
Thailand	July 1, 2022	Yes	Yes – fully vaccinated* certificate or certificate with at least one dose of COVID-19 vaccine for 18 years old and above.	No	Yes – Negative RT-PCR/rapid antigen test within 72 hours before departure for 18 years old above. Does not apply to travelers below 8 years old accompanied by fully vaccinated parents or guardian;	No	No	No

					passengers younger than 18 years with COVID-19 vaccination certificate with at least one dose.			
Vietnam	May 16, 2022	Yes	No	No	No	No	No	No
China	August 31, 2022	No	-	-	-	-	-	-
Hong Kong	August 22, 2022	Yes	Yes – fully vaccinated* certificate for 18 years old and above. Passengers between 12 and 17 years old with COVID-19 vaccination certificate with at least one dose of Pfizer at least 14 days before arrival. Passengers younger than 12 years accompanied by a fully vaccinated parent/guardian.	No	Yes – Negative RT-PCR test within 48 hours before departure.	Travelers are subject to medical screening upon arrival and quarantine for up to 3 nights.	No	No
Macao	August 12, 2022	Yes	Yes – fully vaccinated* certificate for 12 years old and above.	Yes – Negative RT-PCR test within 48 hours before departure.	Foreign travelers who are not fully vaccinated are not allowed to enter or transit Macao.	Travelers are subject to medical screening upon arrival and quarantine for up to 10 days.	No	No
Japan	August 26, 2022	Limited	No	Yes – Negative RT-PCR test within 72 hours before departure for 6	Yes – Negative RT-PCR test within 72 hours before departure for 6	Travelers could be subject to quarantine for 5 days.	No	Traveler is required to download and register at MySOS app before departure.

			years old and above. Travelers could be subject to COVID-19 test upon arrival.	years old and above. Travelers could be subject to COVID-19 test upon arrival.				
South Korea	September 1, 2022	Yes	No	<p>Yes – Negative RT-PCR test within 48 hours before departure or negative rapid antigen test within 24 hours before departure for 6 years old and above and certified in English or Korean translation and be uploaded at https://cov19ent.kdca.go.kr/ or be printed.</p> <p>Passengers are subject to a COVID-19 RT-PCR test within 1 day upon arrival.</p>	<p>Yes – Negative RT-PCR test within 48 hours before departure or negative rapid antigen test within 24 hours before departure for 6 years old and above and certified in English or Korean translation and be uploaded at https://cov19ent.kdca.go.kr/ or be printed.</p> <p>Passengers are subject to a COVID-19 RT-PCR test within 1 day upon arrival.</p>	No	No	<p>Passengers with an A-1 visa, an A-2 visa, or a Self-Isolation Exemption Certificate must install the 'self-check mobile app' found at http://ncov.mohw.go.kr/selcheck before departure or upon arrival.</p>
Taiwan	August 15, 2022	Yes	No	<p>Travelers are subject to RT-PCR test upon arrival at their own expense.</p>	<p>Travelers are subject to RT-PCR test upon arrival at their own expense.</p>	Travelers are subject to quarantine for 3 days. Travelers must have confirmed booking of quarantine facility or hotel.	No	<p>Traveler is required to download and register at Quarantine System for Entry Form before departure.</p>

- Reference: IATA Travel Centre
- *Fully vaccinated – at least 14 days from 2nd dose for two-dose vaccine or 14 days from a single dose vaccine upon arrival.

Cases and Deaths as of 02 September 2022

- As of 02 September 2022 (2PM, GMT+8), worldwide, there were **610,077,458** confirmed cases, including **6,511,814** deaths. Globally, Case Fatality Rate (CFR) was **1.1%**.
- 83,698,032 confirmed cases** of COVID-19 have been reported in the **ASEAN +3** countries including **34,122,340 cases** in the ASEAN region and **49,575,692 cases** in the PLUS THREE countries.
- The Case Fatality Rate in the **ASEAN +3** region is range between **0.1 to 3.2%**.
- There have been no tests reported in the last 14 days in the **ASEAN** Region.

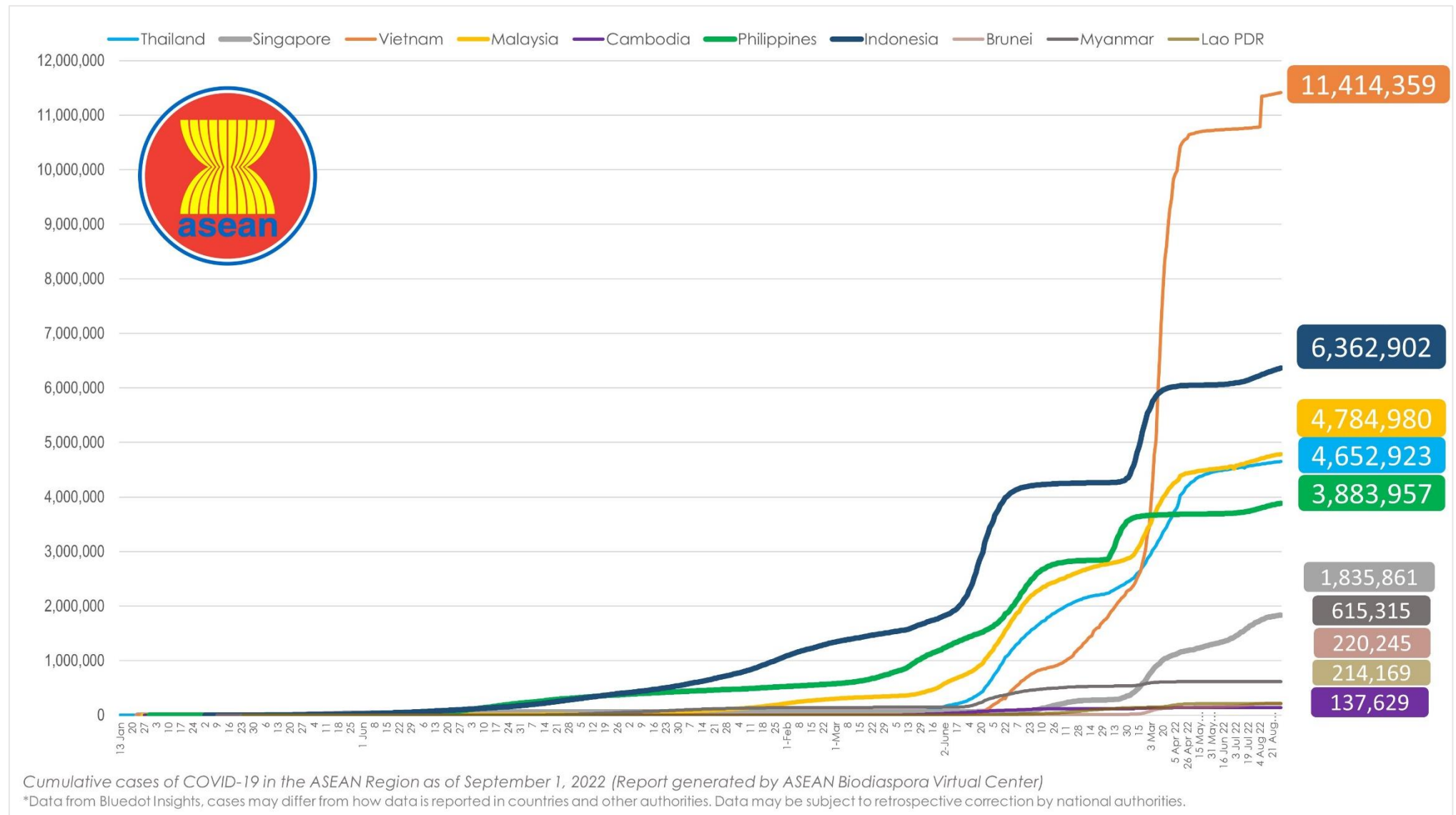
REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST REPORT ON CONFIRMED CASE(S)	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS	CUMULATIVE CASES/ 100,000	CUMULATIVE VACCINATED	CUMULATIVE FULLY VACCINATED	CUMULATIVE BOOSTERED	FULLY VACCINATED/ 100
ASEAN REGION	Brunei	10 Mar 20	01-Sep-22	220,245	-	225	-	50,831	449,031	443,811	328,836	99.7
	Cambodia	27 Jan 20	01-Sep-22	137,629	9	3,056	-	835	15,156,290	14,487,501	9,940,338	87.3
	Indonesia	02 Mar 20	01-Sep-22	6,362,902	4,094	157,591	25	2,351	203,037,880	170,558,244	58,929,057	62.3
	Lao PDR	24 Mar 20	01-Sep-22	214,169	130	757	-	2,987	5,888,649	5,222,417		70.3
	Malaysia	25 Jan 20	01-Sep-22	4,784,980	2,356	36,236	-	14,977	28,092,107	27,494,159	16,683,541	81.9
	Myanmar	23 Mar 20	01-Sep-22	615,315	198	19,439	2	1,139	34,777,314	27,545,329	2,227,351	51.2
	Philippines	30 Jan 20	01-Sep-22	3,883,957	3,728	61,864	50	3,592	76,976,681	72,254,350	17,313,409	63.5
	Singapore	23 Jan 20	01-Sep-22	1,835,861	2,154	1,592	-	32,188	5,023,877	5,002,973	4,285,045	91.7
	Thailand	13 Jan 20	01-Sep-22	4,652,923	2,004	32,331	25	6,683	56,943,487	53,376,063	31,692,649	74.6
	Vietnam	23 Jan 20	01-Sep-22	11,414,359	2,680	43,117	-	11,833	89,255,868	82,993,225	67,031,734	85.2
ASEAN COUNTRIES				34,122,340	17,353	356,208	102	127,416	515,601,184	459,378,072	208,431,960	
ASEAN PLUS THREE	South Korea	20-Jan-20	01-Sep-22	23,327,897	81,499	26,876	112	45,114	45,105,179	44,667,207	40,738,345	86.2
	Japan	16-Jan-20	01-Sep-22	19,110,058	157,640	39,885	306	15,135	104,095,892	102,704,163	107,408,214	82.4
	China	31-Dec-19	01-Sep-22	7,137,737	45,031	24,883	47	44,140	1,330,346,969	1,295,566,961	826,797,954	87.0
	PLUS THREE COUNTRIES				49,575,692	284,170	91,644	465	104,388	1,479,548,040	1,442,938,331	974,944,513
ASEAN +3				83,698,032	301,523	447,852	567	231,804	1,995,149,224	1,902,316,403	1,183,376,473	

- 526,379,426 confirmed cases** of COVID-19 have been reported in **5 continents** (other than ASEAN +3 countries):

CONTINENT	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS	CUMULATIVE CASES/ 100,000	CUMULATIVE VACCINATED	CUMULATIVE FULLY VACCINATED	CUMULATIVE BOOSTERED
AFRICA	12,860,245	572	258,336	4	248,322	390,297,557	306,789,395	47,530,422
AMERICAS	178,935,637	26,344	2,854,883	177	1,162,804	819,363,765	719,878,650	465,235,721
ASIA PACIFIC	84,786,606	11,127	747,303	44	465,539	1,438,923,706	1,325,204,275	318,093,007
EUROPE	227,471,967	125,543	1,966,164	530	1,964,855	564,383,661	535,956,947	346,809,815
MIDDLE EAST	22,324,971	3,935	237,276	33	209,218	143,211,327	128,580,326	56,487,012
TOTAL	526,379,426	167,521	6,063,962	788	4,050,737	3,356,180,016	3,016,409,593	1,234,155,977

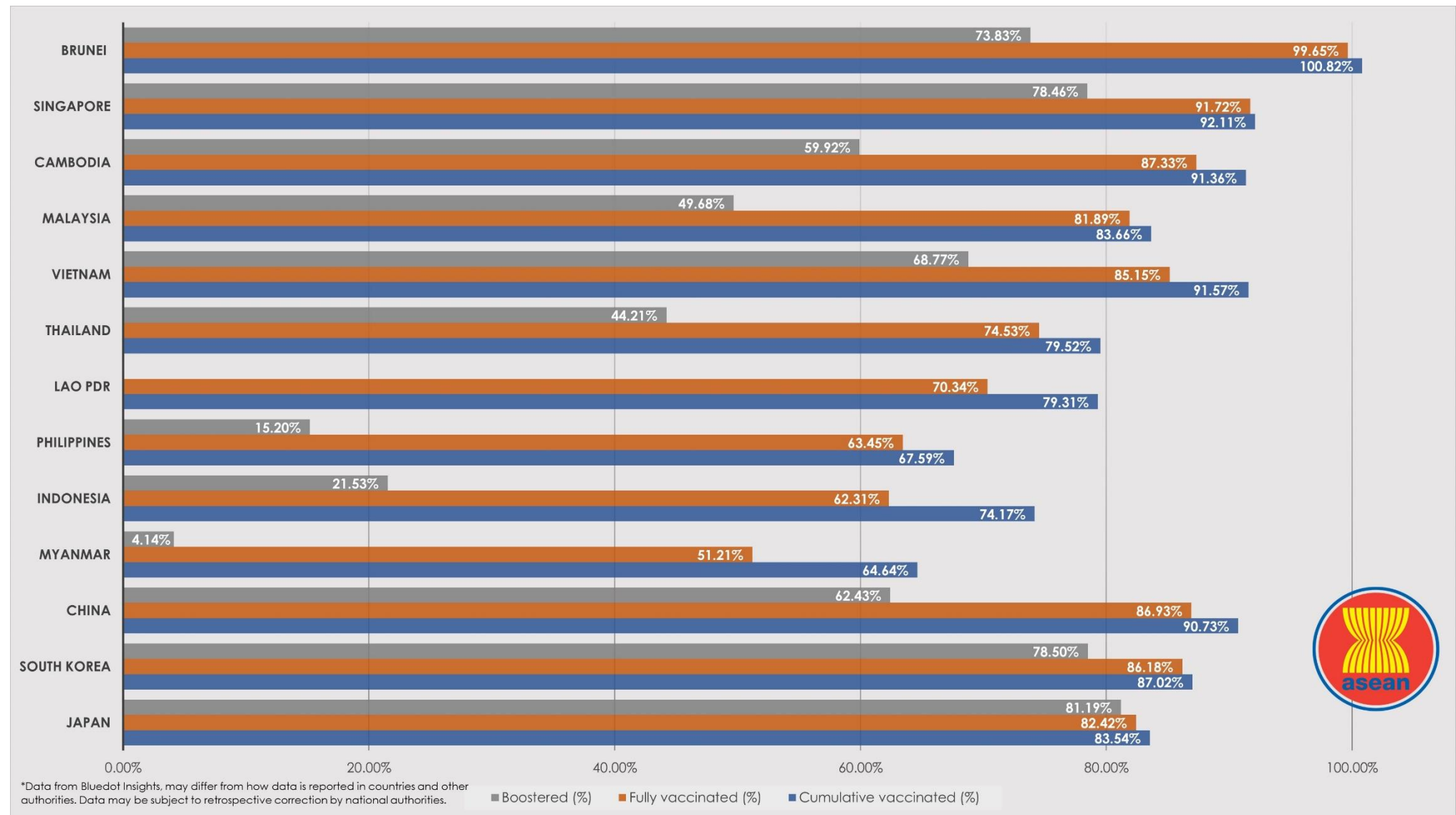
COVID-19 Epi curve among ASEAN Countries:

From January 1, 2021 to September 1, 2022




COVID-19 Vaccination Status

as of 01 September 2022



COVID-19 Outlook Assessment

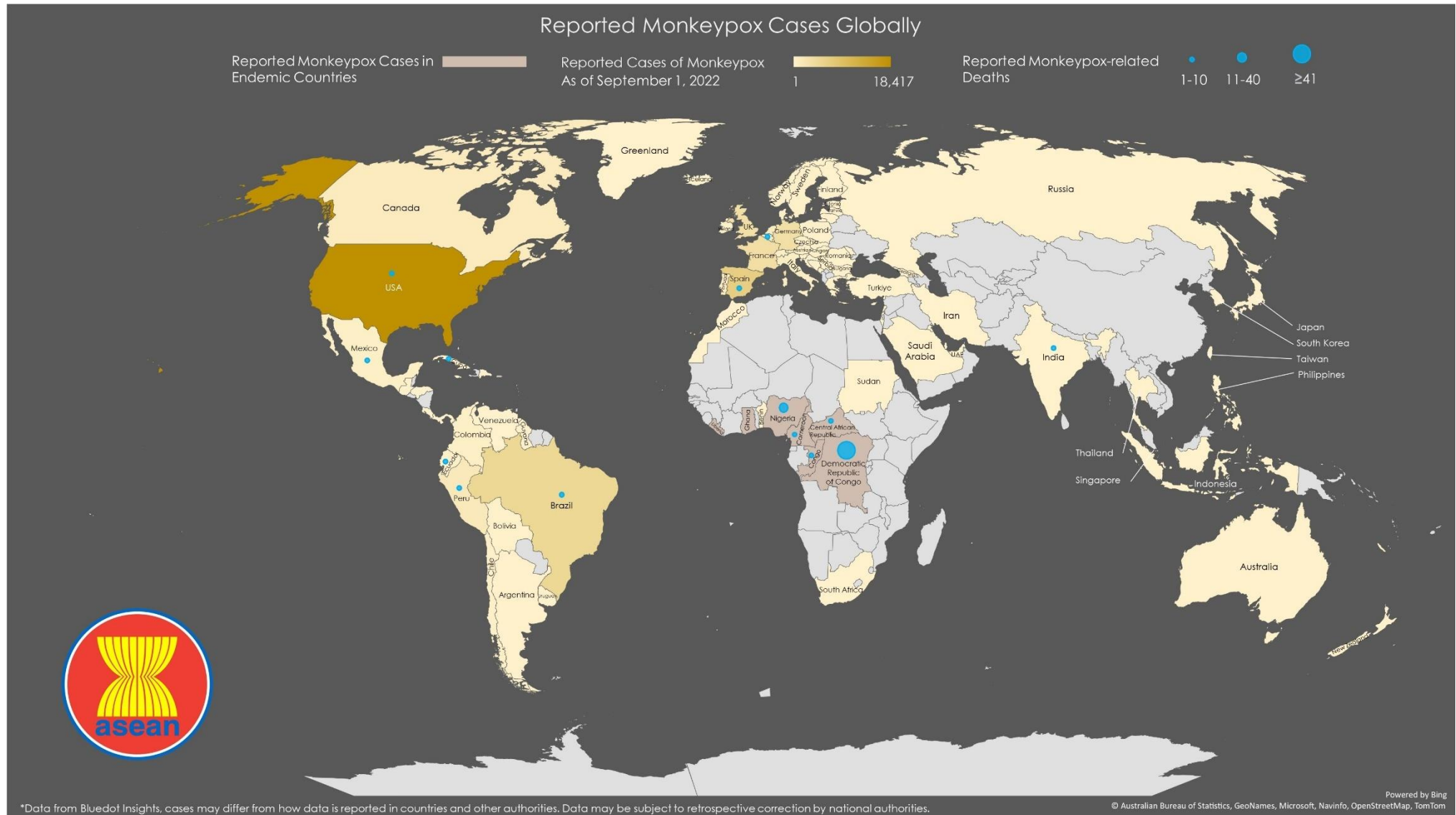
as of 30 August 2022

 ASEAN MEMBER STATE	REQUIREMENT						
	At least 80% of the high-risk population has been vaccinated with at least one dose of a COVID-19 vaccine.	At least 65% of the total population has a level of immunity to COVID-19; either recovered from COVID-19 or have been vaccinated with at least one dose of a COVID-19 vaccine.		Case levels are generally low (a 7-day rolling average number of daily new cases that is <10 cases per 100,000, with each day's past-14-day test positivity is consistently <5%).		Government Policy on containment and health (strictness and comprehensiveness in COVID-19 related government policies)	
		Population vaccinated/ day (7-day average)	% of Total population fully vaccinated / boosted	Population vaccinated/ day (7-day average)	Daily cases/ 100,000	Test positivity last 14 days	Containment and health index score - Oxford COVID-19 Government Response Tracker (OxCGRT)
Brunei	0%/day	≥90.0/73.8	Unknown	0.0	Unknown	31.0/100	undefined
Cambodia	0%/day	≥90.0/59.9	Unknown	0.12	Unknown	31.5/100	undefined
Indonesia	0%/day	65.3/21.5	Unknown	1.60	Unknown	54.2/100	undefined
Lao PDR	0%/day	77.3/ND	Unknown	1.12	Unknown	61.6/100	undefined
Malaysia	0%/day	84.4/49.7	0.01%/day	8.18	Unknown	51.8/100	undefined
Myanmar	0%/day	52.1/4.1	Unknown	0.12	Unknown	69.1/100	undefined
Philippines	0%/day	69.9/15.2	Unknown	2.41	Unknown	55.4/100	undefined
Singapore	0%/day	88.7/78.5	0%/day	39.86	Unknown	58.9/100	undefined
Thailand	0%/day	77.5/44.2	0.01%/day	2.46	Unknown	31.5/100	undefined
Vietnam	Unknown	89.5/68.8	Unknown	2.91	Unknown	43.5/100	undefined
Japan	0%/day	81.2/85.6	0%/day	154.90	Unknown	42.9/100	undefined
South Korea	0%/day	86.5/78.4	0%/day	201.01	Unknown	38.1/100	undefined
China	Unknown	≥90.0/56.3	Unknown	0.025	Unknown	84.5/100	undefined

All of the countries have achieved the estimated high-risk population fully vaccinated of ≥90.0% except China with 35.1%.

Monkeypox Cases Reported Globally

as of September 1, 2022



Monkeypox: Highlights and Situation Overview

- As of 02 September 2022 (2PM, GMT+8), worldwide, there were **53,586** confirmed cases, including **87** deaths. Globally, Case Fatality Rate (CFR) was **0.16%**.
- **36 confirmed cases** of Monkeypox have been reported in the **ASEAN+3** region composed of **28 cases** in the ASEAN region and **8 cases** in the PLUS THREE countries, with CFR of **0%**.
- **53,550 confirmed cases** of Monkeypox have been reported in other **5 regions** (other than ASEAN +3 countries):

Monkeypox cases in ASEAN+3 region

Region	Country	Total Cases	New Cases	Deaths	Case Fatality Rate
ASEAN	Singapore	16	-	-	0.00%
ASEAN	Thailand	7	-	-	0.00%
ASEAN	Philippines	4	-	-	0.00%
Plus Three	Japan	4	-	-	0.00%
Plus Three	Taiwan	3	-	-	0.00%
ASEAN	Indonesia	1	-	-	0.00%
Plus Three	South Korea	1	-	-	0.00%
ASEAN+3 Total		36	-	-	0.00%

Top 5 countries with most monkeypox cases globally

Region	Country	Total Cases	New Cases	Deaths	Case Fatality Rate
Americas	USA	18,417	316	1	0.01%
Europe	Spain	6,543	84	2	0.03%
Americas	Brazil	4,876	183	1	0.02%
Europe	France	3,546	125	-	0.00%
Europe	Germany	3,467	12	-	0.00%

Monkeypox cases per region other than ASEAN+3

REGION	TOTAL CONFIRMED CASES SINCE JANUARY 1, 2022	NEW CASES SINCE THE PREVIOUS REPORT	TOTAL DEATHS	CASE FATALITY RATE
AFRICA*	2,870	0	77	2.68%
AMERICAS	27,896	557	6	0.02%
ASIA PACIFIC	137	15	1	0.73%
EUROPE	22,378	320	3	0.01%
MIDDLE EAST	269	1	-	0.00%
TOTAL	53,550	893	87	0.16%

Global Update

- **World Health Organization:** According to WHO data released on Wednesday, more than 50,000 cases of monkeypox have been reported worldwide.³ Transmission, however, is slowing in Europe and the US, where the virus is most prevalent.³ The decrease in new cases, according to WHO chief Tedros Adhanom Ghebreyesus, demonstrated that the outbreak might be stopped.³ Three things are required for the eradication of monkeypox, according to Tedros: the proof that it is achievable, which is now emerging; political will and commitment; and the execution of public health interventions in the populations that most urgently require them.³ [\[Full Article\]](#)
- **USA:** According to state health department representatives, Texas reported the first death of a critically immunocompromised person with monkeypox on August 30.¹ Monkeypox's potential connection to the fatality is still being looked into in this case. Monkeypox is often unpleasant but seldom lethal.¹ U.S. government spokesperson Scott Pauley In an email, the Centers for Disease Control and Prevention stated that they are aware of the adult fatality that has been reported in Harris County, Texas.¹ [\[Full Article\]](#)

State officials throughout the nation report that there are at least 31 youngsters in the United States who have tested positive for monkeypox.⁷ Children with monkeypox have been recorded in 11 states and jurisdictions across the United States thus far.⁷ State officials notified ABC News on August 30 that nine pediatric cases of monkeypox had been found in Texas alone.⁷ According to official records, Florida has discovered cases of monkeypox in two children under the age of four, one in Brevard County and the other in Monroe County.⁷ In a health notice released last month, the Centers for Disease Control and Prevention cautioned that early research indicates monkeypox infection in children under the age of 8 may result in more serious disease.⁷ [\[Full Article\]](#)

- **Belgium:** According to the weekly report on the outbreak from the Sciensano public health institute, Belgium has reported the third monkeypox-related death in Europe.⁵ Cases have primarily affected males who have sex with men in Belgium, as they have worldwide.⁵ In the 11.5-million-person nation, 706 instances had been reported as of the end of August, with 32 of them necessitating hospitalization.⁵ According to the Sciensano study, a monkeypox patient with "underlying medical issues" was Belgium's first fatality.⁵ [\[Full Article\]](#)

Regional Update

- **Philippines:** As part of its preparations for potential instances of the extremely infectious illness, the province administration of Negros Occidental has set aside P15 million for the procurement of monkeypox test kits.² Provincial Administrator Rayfrando Diaz stated that the province's laboratory staff will soon undergo training at the Research Institute for Tropical Medicine (RITM) in Metro Manila.² Diaz added that the province already needs to purchase the test kits and that a budget has been set aside for this purpose.² The medical technologists will be dispatched for training once our (schedule) arrives, he continued. There are currently no known cases of monkeypox in Negros Occidental and Bacolod City.² [\[Full Article\]](#)

Vaccine Update

- **Indonesia:** Jynneos and Smallpox vaccinations can be used in Indonesia to prevent the spread of monkeypox illness, according to Penny K. Lukito, head of the national agency for drug and food control (BPOM).⁴ The Food and Drug Administration (US-FDA) granted emergency use permission (EUA) for the Jynneos vaccine for adults in 2019 and the European Medicines Agency (EMA) granted it on July 22, 2022.⁴ Additionally, on August 5, 2022, the Therapeutic Goods Administration (TGA) in Australia and on November 12, 2020, Health Canada granted their respective EUAs.⁴ Although the smallpox vaccination is 85% effective against monkeypox, Lukito noted that access to it is only possible through broader access.⁴ Smallpox and monkeypox vaccinations have not yet been authorized in

Indonesia.⁴ She mentioned that the varicella form of the chickenpox vaccination is available in Indonesia.⁴ [\[Full Article\]](#)

- **Taiwan:** According to the Centers for Disease Control and Prevention (CDC), Taiwan received a shipment of 560 doses of the monkeypox vaccine on September 1.⁶ The CDC noted in a news statement on September 1 evening that the 560 Jynneos vaccine doses created by the Danish biotech company Bavarian Nordic expire on May 31, 2024 and will be reserved for laboratory personnel and anyone who come into close contact with monkeypox patients.⁶ Since June 24, Taiwan has had three imported cases of monkeypox; all three patients healed and were allowed to leave the hospital when their quarantines were ended.⁶

References

1. Steenhuisen, J. (2022). *Texas reports first U.S. death in person with monkeypox*. Reuters. Retrieved 2 September 2022, from <https://www.reuters.com/world/us/texas-reports-first-us-death-person-with-monkeypox-2022-08-30/>.
2. Adiong, E. (2022). *Negros allots P15M for monkeypox test kits*. The Manila Times. Retrieved 2 September 2022, from <https://www.manilatimes.net/2022/09/02/news/regions/negros-allots-p15m-for-monkeypox-test-kits/1856942>.
3. *World monkeypox outbreak tops 50,000 cases*. The Manila Times. (2022). Retrieved 2 September 2022, from <https://www.manilatimes.net/2022/09/01/latest-stories/world-monkeypox-outbreak-tops-50000-cases/1856836>.
4. Firdaus, A., & Ruhman, F. (2022). *Jynneos, Smallpox vaccines can be used for monkeypox in Indonesia*. Antara News. Retrieved 2 September 2022, from <https://en.antaranews.com/news/247213/jynneos-smallpox-vaccines-can-be-used-for-monkeypox-in-indonesia>.
5. *Belgium records first monkeypox death*. Malay Mail. (2022). Retrieved 2 September 2022, from <https://www.malaymail.com/news/world/2022/09/01/belgium-records-first-monkeypox-death/25954>.
6. Chen, C., & Mazzett, M. (2022). *Taiwan takes delivery of 560 monkeypox vaccine doses*. Focus Taiwan. Retrieved 2 September 2022, from <https://focustaiwan.tw/society/202209010024>.
7. Mitropoulos, A., & Winsor, M. (2022). *US reports at least 31 cases of monkeypox among children*. ABC News. Retrieved 2 September 2022, from <https://abcnews.go.com/Health/us-reports-31-cases-monkeypox-children/story?id=89093313>.
8. Malato, J., Ribeiro, R., Leite, P., Casaca, P., Fernandes, E., & Antunes, C. et al. (2022). *Risk of BA.5 Infection among Persons Exposed to Previous SARS-CoV-2 Variants*. *New England Journal Of Medicine*. <https://doi.org/10.1056/nejmc2209479>
9. MCLEOD, M. (2022). *Health Canada approves first bivalent COVID-19 vaccine that targets Omicron variant*. The Globe and Mail. Retrieved 2 September 2022, from <https://www.theglobeandmail.com/politics/article-health-canada-approves-first-bivalent-covid-19-vaccine-that-targets/>.
10. Gan, N. (2022). *Chinese metropolis of Chengdu locks down 21 million residents*. CNN. Retrieved 2 September 2022, from <https://edition.cnn.com/2022/09/01/china/china-covid-sichuan-lockdown-intl-hnk/index.html>.
11. Ong, J. (2022). *MMA moots end to Malaysia's Covid-19 mask mandate*. Malay Mail. Retrieved 2 September 2022, from <https://www.malaymail.com/news/malaysia/2022/08/31/mma-moots-end-to-malaysias-covid-19-mask-mandate/25759>.



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