

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 611 million cases and over 6 million deaths attributed to COVID-19.

Research Update

- The availability of COVID-19 vaccinations is not enough to vaccinate almost one-quarter of Americans, and vaccine reluctance continues to be a significant barrier to containing the coronavirus epidemic.⁶ **The Theater for Vaccine Hesitancy** training program trains healthcare professionals in improvisational theater approaches to facilitate dialogues about the advantages of COVID-19 immunization with unvaccinated patients.⁶ Each training session is designed as a 60-minute workshop that includes a didactic component (entitled The Science of Motivation), an improv theater component (titled Difficult Conversations), and an interactive improvised follow-up component (Changing the Conversation).⁶ 45% (19 of 42 respondents) believed that patients they had spoken to were more likely to get vaccinated as a result of their change in conversational approach, and 29% (12 of 41 respondents) thought vaccine-hesitant patients they had spoken to became vaccinated as a result of the conversation.⁶ The survey was sent to 46 participants, and 79% (33 of 42 respondents) endorsed feeling more confident when discussing vaccines with their patients after engagement with the intervention.⁶ Combining motivational theory with improvisational theatrical approaches may influence vaccine-skeptical talks, reduce the workload for medical professionals, and promote public health.⁶ [[Full Text](#)]
- In a study **Association of Receiving a Fourth Dose of the BNT162b Vaccine With SARS-CoV-2 Infection Among Health Care Workers in Israel**, discovered that during the peak Omicron variant wave, receivers of the 4-dose vaccination had a reduced probability of contracting COVID-19 than recipients of the 3-dose vaccine in a multicenter cohort study of HCWs in 11 general hospitals in Israel.⁷ In subgroup studies (sex, age group, and occupation) and in the majority of participating hospitals, the fourth immunization showed a substantial advantage.⁷ Even though they were less obvious, these findings were similar and significant in both the matched analysis and the Cox proportional hazards regression model.⁷ The reduced group size in these studies may help to explain this result.⁷ Similar benefits were noted in other studies that looked at the fourth dose's impact on Israel's senior population.⁷ The COVID-19 infection rate during the Delta variant epidemic was much lower after the third dosage of the vaccination.⁷ Although to a lesser extent, the fourth dosage also decreased the infection rate.⁷ [[Full Text](#)]
- In the cohort study of 690 participants from 175 households in Maryland conducted from November 2020 to October 2021 entitled: **Assessment of Clinical and Virological Characteristics of SARS-CoV-2 Infection Among Children Aged 0 to 4 Years and Their Household Members**, 54 incident SARS-CoV-2 infections were detected in 8.6% of children aged 0 to 4 years, 11.0% of children aged 5 to 17 years, and 6.3% of adults.¹⁴ Children were more frequently asymptomatic or mildly symptomatic than adults; highest detected viral loads correlated with the number of symptoms in adults but not in young children.¹⁴ [[Full Text](#)]

Regional Update

- **Malaysia:** According to Health Minister Khairy Jamaluddin, Malaysia is not prepared to consider COVID-19 as an endemic illness in order to further reduce health regulations.¹¹ A disease is said to be endemic if it permeates a community continuously.¹¹ Malaysia

said on April 1 that it will classify COVID-19 as an endemic, loosen several pandemic regulations including masks and business hours, and reopen its international borders.¹¹ Before deciding to treat COVID-19 as an endemic, the nation, according to Khairy, was driven by three factors.¹¹ [\[Full Article\]](#)

- **Philippines:** The COVID-19 state of disaster is scheduled to end on September 12, thus the Department of Health (DOH) requested that it be extended on September 2.¹⁰ Maria Rosario Vergeire, the DOH Office-in-Charge, stated that the agency has already sent the National Disaster Risk Reduction and Management Council its recommendations (NDRRMC).¹⁰ Due to COVID-19, former president Rodrigo Duterte proclaimed a state of disaster throughout the nation in March 2020.¹⁰ It was initially only meant to continue through September of the same year, but it was twice extended.¹⁰ According to President Ferdinand "Bongbong" Marcos Jr., he intends to keep the declaration in effect until the end of the year.¹⁰
- **Thailand:** According to a September 4 Facebook post by Thailand's leading virologist Dr. Yong Poovorawan, COVID-19 is evolving into an endemic seasonal illness similar to the flu.¹² The instances of COVID-19, he continued, should begin to decline from late September to mid-December before beginning to spread once again in the chilly season from late December to early March, and then once more in the rainy season.¹² He emphasized that the rainy season is when the majority of flu and other respiratory virus infections occur in Thailand.¹²
- **South Korea:** The number of new COVID-19 cases in South Korea fell to its lowest level on Monday, September 5, in six weeks, as the virus is steadily waning.¹³ According to the Korea Disease Control and Prevention Agency (KDCA), the nation recorded 37,548 new COVID-19 infections, including 286 from outside, increasing the overall caseload to 23,606,740.¹³ [\[Full Article\]](#)
- **China:** As widespread COVID-19 testing began in much of the 18-million-person metropolis on September 3, the majority of Shenzhen's citizens entered a weekend lockdown.⁹ Two days after municipal authorities said that rumors of a lockdown were based on a "misinterpretation" of the most recent COVID-19 preventative and control measures, the lockdown and the suspension of bus and subway services went into force.⁹ In order to "minimize the impact on people's working life," residents of six districts, which make up the bulk of the city's population, will be tested twice over the course of the weekend, according to a statement posted on September 3 on the local government's official WeChat account.⁹ [\[Full Article\]](#)

Vaccine Update

- **China:** The COVID-19 vaccine, newly created by China's CanSino Biologics Inc (6185.HK), has been given permission by the nation's medicines authorities for emergency use as a booster, the company announced on September 4.⁸ The National Medical Products Administration has given the go-ahead for Cansino's adenovirus-vectored COVID-19 vaccine's inhaled form, the business announced in a filing on September 4.⁸ The business issued a warning, however, saying that rival vaccines in China that have already received government clearance or are through clinical testing will provide it with stiff competition.⁸ One of just two new anti-disease treatments that China has approved in more than a year is the COVID-19 vaccine manufactured by Livzon Pharmaceutical Group Inc. (000513.SZ), according to Livzon on September 2.⁸ [\[Full Article\]](#)

Cases and Deaths as of 05 September 2022

- As of 05 September 2022 (2PM, GMT+8), worldwide, there were **611,658,605** confirmed cases, including **6,516,935** deaths. Globally, Case Fatality Rate (CFR) was **1.1%**.
- 84,471,888 confirmed cases** of COVID-19 have been reported in the **ASEAN +3** countries including **34,162,126 cases** in the ASEAN region and **50,309,762 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.

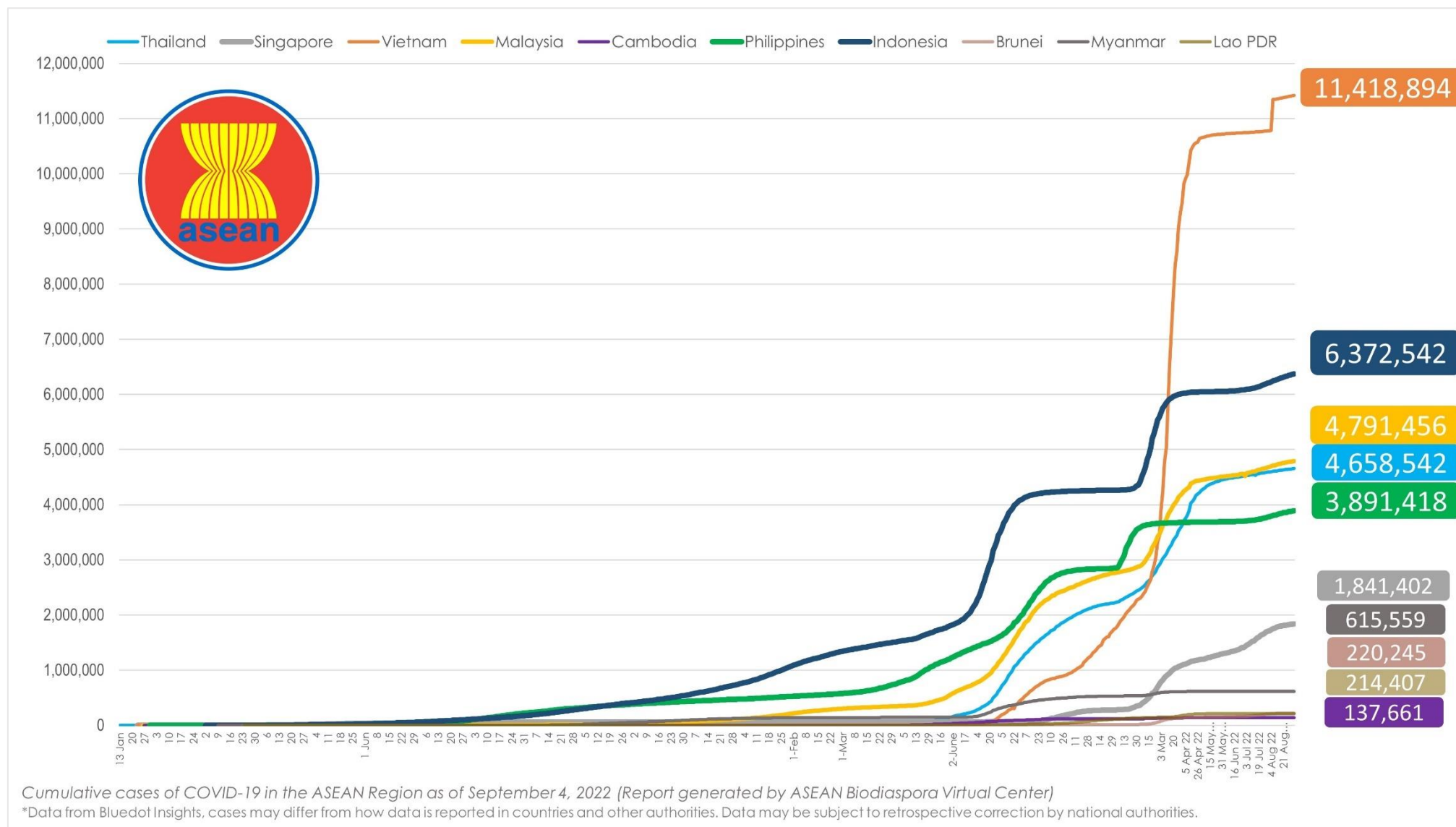
REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST REPORT ON CONFIRMED CASE(S)	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS	CUMULATIVE CASES/ 100,000	CUMULATIVE VACCINATED	CUMULATIVE FULLY VACCINATED	CUMULATIVE BOOSTERED	FULLY VACCINATED/ 100
ASEAN REGION	Brunei	10 Mar 20	04-Sep-22	220,245	-	225	-	50,831	449,031	443,811	328,836	99.7
	Cambodia	27 Jan 20	04-Sep-22	137,661	11	3,056	-	835	15,156,290	14,487,501	9,940,338	87.3
	Indonesia	02 Mar 20	04-Sep-22	6,372,542	2,764	157,647	16	2,355	203,037,880	170,558,244	58,929,057	62.3
	Lao PDR	24 Mar 20	04-Sep-22	214,407	50	757	-	2,991	5,888,649	5,222,417		70.3
	Malaysia	25 Jan 20	04-Sep-22	4,791,456	1,904	36,245	2	14,997	28,093,409	27,496,286	16,692,482	81.9
	Myanmar	23 Mar 20	04-Sep-22	615,559	70	19,440	1	1,139	34,777,314	27,545,329	2,227,351	51.2
	Philippines	30 Jan 20	04-Sep-22	3,891,418	2,258	62,011	49	3,599	76,976,681	72,254,350	17,313,409	63.5
	Singapore	23 Jan 20	04-Sep-22	1,841,402	1,549	1,594	-	32,285	5,023,877	5,002,973	4,285,045	91.7
	Thailand	13 Jan 20	04-Sep-22	4,658,542	1,631	32,403	25	6,691	56,952,186	53,392,440	31,749,021	74.6
Vietnam	23 Jan 20	04-Sep-22	11,418,894	1,391	43,120	1	11,838	89,255,868	82,993,225	67,031,734	85.2	
ASEAN COUNTRIES				34,162,126	11,628	356,498	94	127,560	515,611,185	459,396,576	208,497,273	
ASEAN PLUS THREE	South Korea	20-Jan-20	04-Sep-22	23,569,192	72,144	27,093	79	45,580	45,105,608	44,667,643	40,760,318	86.2
	Japan	16-Jan-20	04-Sep-22	19,469,689	107,803	40,653	216	15,420	104,113,711	102,728,374	109,092,464	82.4
	China	31-Dec-19	04-Sep-22	7,270,881	55,833	25,019	50	44,993	1,330,370,436	1,295,583,318	826,852,980	87.0
	PLUS THREE COUNTRIES				50,309,762	235,780	92,765	345	105,994	1,479,589,755	1,442,979,335	976,705,762
ASEAN +3				84,471,888	247,408	449,263	439	233,554	1,995,200,940	1,902,375,911	1,185,203,035	

- 527,186,717 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	12,869,739	548	258,385	5	249,248	390,307,828	306,802,381	47,539,050
AMERICAS	179,284,357	9,168	2,857,216	47	1,164,379	819,776,754	720,271,488	466,375,194
ASIA PACIFIC	84,896,696	8,782	747,681	46	467,827	1,439,237,609	1,326,037,170	323,828,407
EUROPE	227,802,144	83,221	1,967,000	161	1,966,988	564,548,233	536,588,647	347,220,634
MIDDLE EAST	22,333,781	3,278	237,390	51	209,339	143,375,632	128,757,247	58,461,408
TOTAL	527,186,717	104,997	6,067,672	310	4,057,780	3,357,246,056	3,018,456,933	1,243,424,693

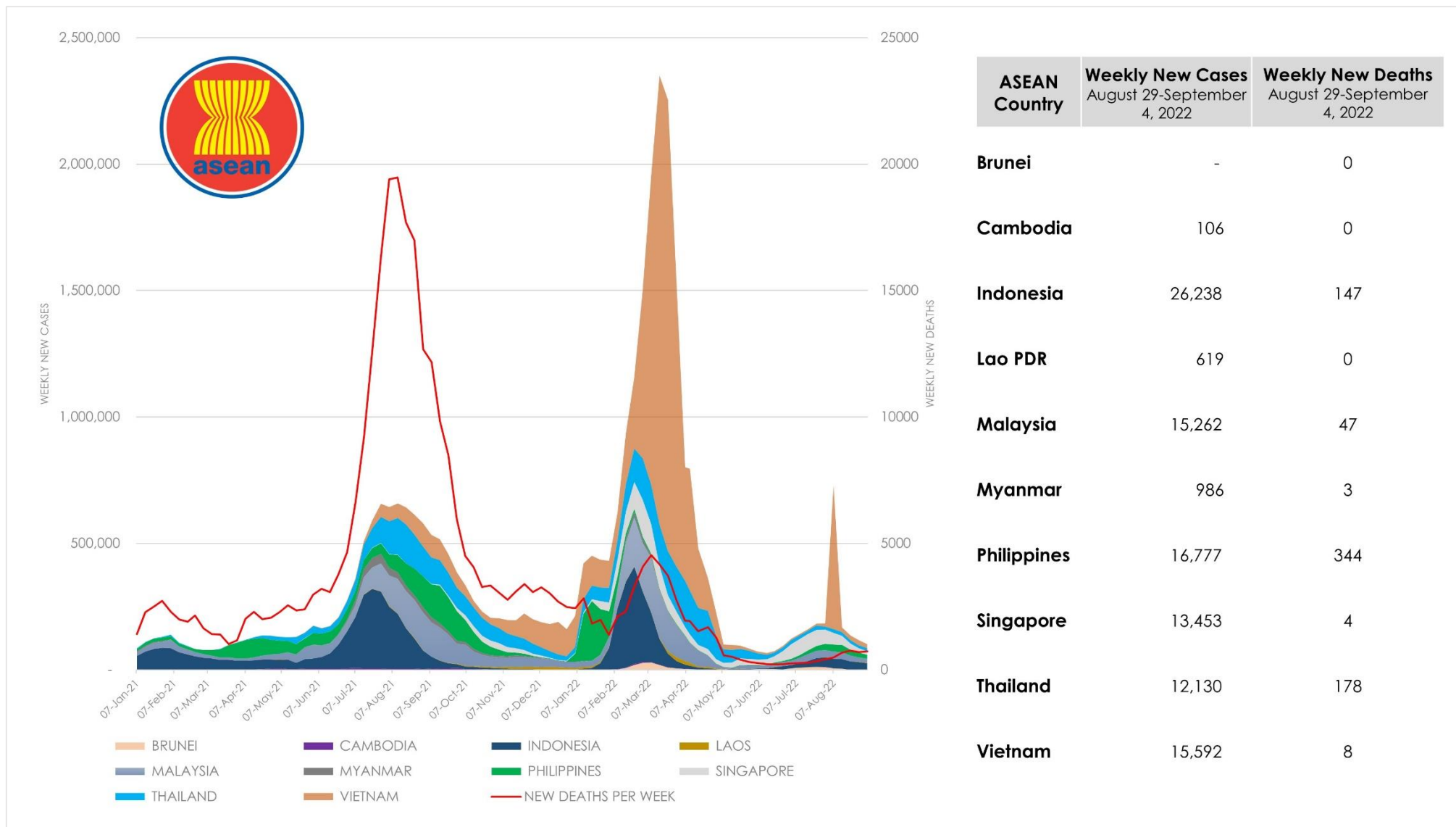
COVID-19 Epi curve among ASEAN Countries:

From January 1, 2021 to September 4, 2022



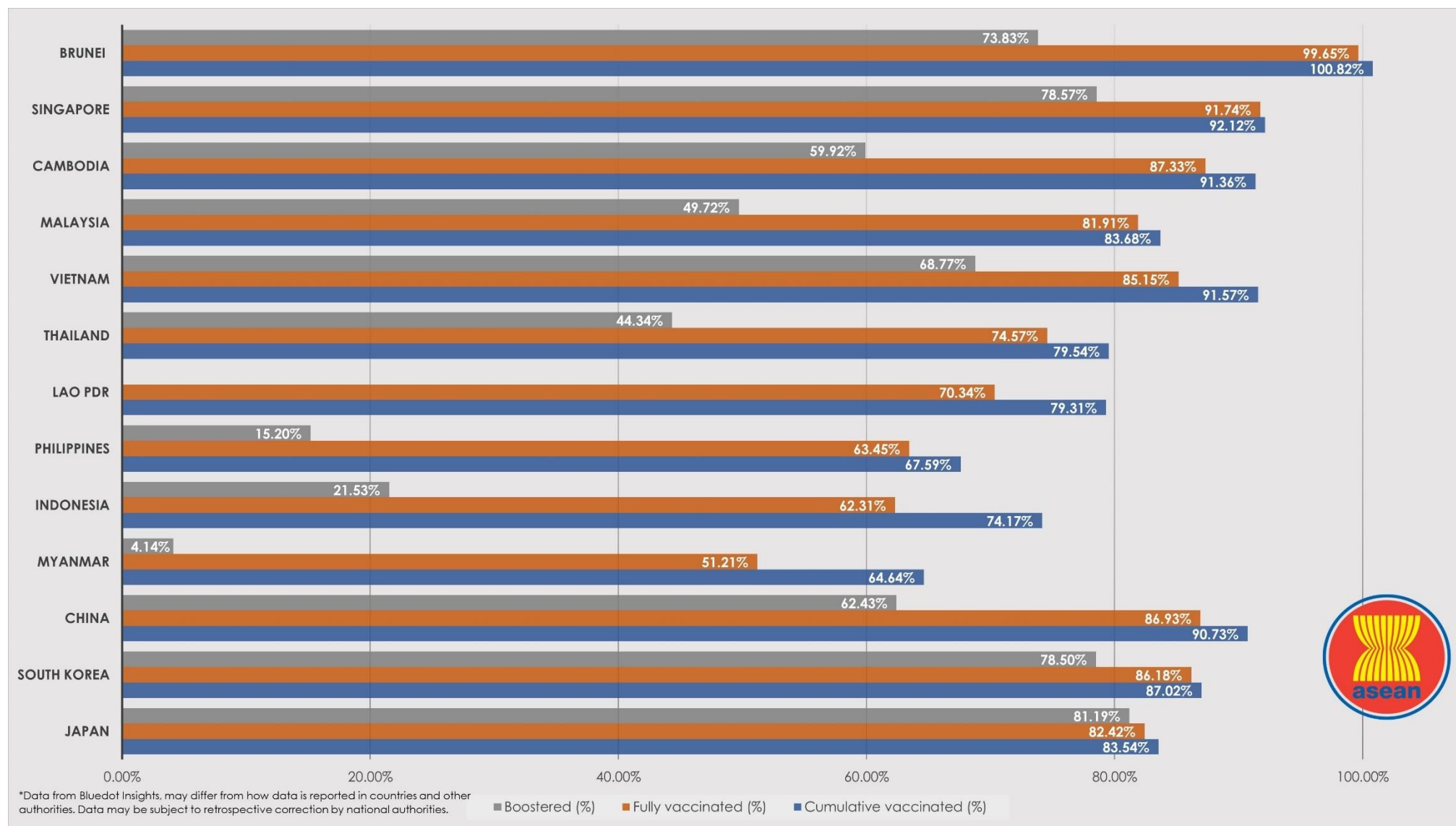
Weekly COVID-19 New Cases and New Deaths

From January 1, 2021 to September 4, 2022




COVID-19 Vaccination Status

as of 04 September 2022



COVID-19 Outlook Assessment

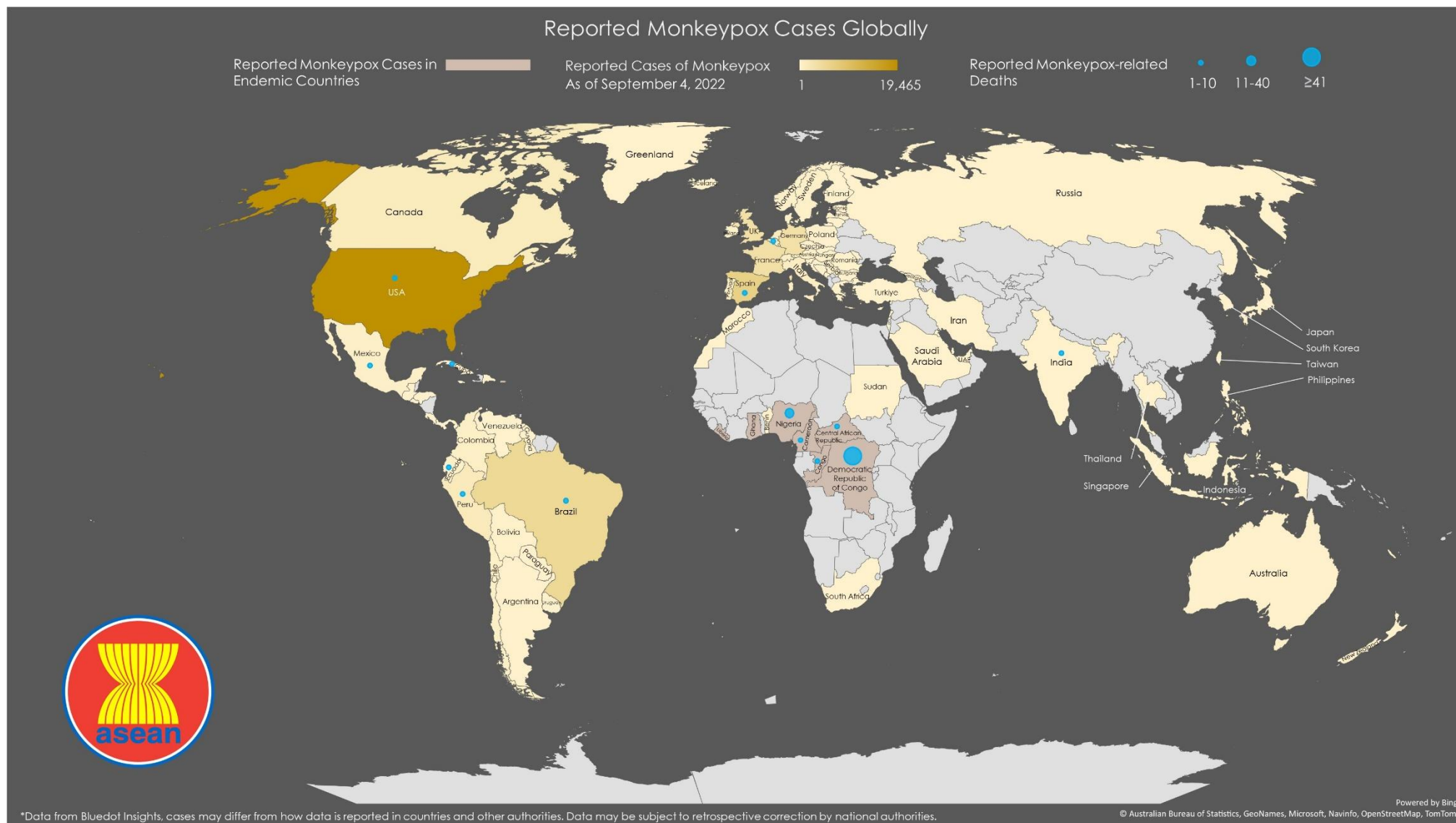
as of 02 September 2022

 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	0.10	Unknown	31.5/100	undefined
Indonesia	0%/day	65.3/21.5	Unknown	1.41	Unknown	54.2/100	undefined
Lao PDR	0%/day	77.3/ND	Unknown	1.23	Unknown	61.6/100	undefined
Malaysia	0%/day	84.4/49.7	0.01%/day	6.95	Unknown	51.8/100	undefined
Myanmar	0%/day	52.1/4.1	Unknown	0.24	Unknown	69.1/100	undefined
Philippines	0%/day	69.9/15.2	Unknown	2.21	Unknown	55.4/100	undefined
Singapore	0%/day	88.7/78.6	0%/day	34.75	Unknown	58.9/100	undefined
Thailand	0%/day	77.5/44.3	0.01%/day	2.51	Unknown	31.5/100	undefined
Vietnam	Unknown	89.5/68.8	Unknown	2.36	Unknown	43.5/100	undefined
Japan	0%/day	81.2/87.6	0%/day	110.41	Unknown	42.9/100	undefined
South Korea	0%/day	86.5/78.6	0%/day	165.36	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 4, 2022



Monkeypox: Highlights and Situation Overview

- As of 05 September 2022 (2PM, GMT+8), worldwide, there were **55,006** confirmed cases, including **87** deaths. Globally, Case Fatality Rate (CFR) was **0.16%**.
- 37 confirmed cases** of Monkeypox have been reported in the **ASEAN+3** region composed of **28 cases** in the ASEAN region and **9 cases** in the PLUS THREE countries, with CFR of **0%**.
- 54,969 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%
Plus Three	South Korea	2	1	-	0.00%
ASEAN	Indonesia	1	-	-	0.00%
ASEAN+3 Total		37	1	-	0.00%

Top 5 countries with most monkeypox cases globally

Region	Country	Total Cases	New Cases	Deaths	Case Fatality Rate
Americas	USA	19,465	1,048	1	0.01%
Europe	Spain	6,543	0	2	0.03%
Americas	Brazil	5,037	161	1	0.02%
Europe	France	3,546	0	-	0.00%
Europe	Germany	3,467	0	-	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*	2,880	10	77	2.67%
AMERICAS	29,286	1,390	6	0.02%
ASIA PACIFIC	138	1	1	0.72%
EUROPE	22,391	13	3	0.01%
MIDDLE EAST	274	5	-	0.00%
TOTAL	54,969	1,419	87	0.16%

Global Update

- **El Salvador:** According to Rena Lbr reports, Salvadoran authorities confirmed the first case of a snitch in their country on August 30.² The patient is a 28-year-old woman who had contact with people who had arrived in the country from the U.S.² According to health officials, every care is being taken.² [\[Full Article\]](#)
- **Paraguay:** The first case of monkeypox was verified in Paraguay on August 25 by the nation's health officials. It was revealed that the patient was a male adult of Paraguayan descent who had traveled before.³ 17 suspected cases, meanwhile, were dismissed. Hernán Martínez, deputy minister of health, stated that the patient had previously been deemed to be healed.³ The official added that the patient sought medical attention as soon as lesions appeared, at which point the protocol was activated to bar him from contact with others in an effort to stop the disease from spreading.³ The patient has already been released from the hospital and is currently recovering while being watched over by the Health Surveillance Directorate, which is also looking into his surroundings and personal connections to hunt for any other potential suspects.³ [\[Full Article\]](#)
- **UK:** An individual who recently visited West Africa was found to have a new type of monkeypox illness, according to the British authorities.⁵ This is the second time the UK has linked monkeypox infection to West Africa since the current outbreak began, according to a report on the official UK government website published on September 1.⁵ "Preliminary genomic sequencing conducted by UKHSA indicates that this case does not have the current outbreak strain circulating in the UK."⁵ The first was observed in a person who traveled from Nigeria to England but was not named.⁵ The UK reported that the unnamed person with the new strain had been admitted to the Royal Liverpool University Hospital's High Consequence Infectious Disease (HCID) unit "in line with standing advice from the Advisory Committee on Dangerous Pathogens (ACDP)."⁵ It also reported that contact tracing of the person's close contacts was ongoing but that no additional linked cases had been found.⁵ [\[Full Article\]](#)

Regional Update

- **South Korea:** On September 3, South Korea confirmed the presence of a second monkeypox case, raising worries about the virus' potential for transmission.¹ The patient, who arrived at Incheon International Airport from Europe on August 18, tested positive for the virus this week, according to the Korea Disease Control and Prevention Agency (KDCA).¹ A hospital has been using isolation therapy on the patient.¹ [\[Full Article\]](#)
- **Philippines:** According to the Department of Health, the second monkeypox patient in the nation has "fully cured" and was released on September 1.⁴ (DOH). The 34-year-old who tested positive for the virus on August 18 had been cleared of the viral sickness after the patient's lesions healed, according to Maria Rosario Vergeire, the DOH's officer in charge, who made the announcement on September 2.⁴ She remarked that the patient's 18 close associates had continued to show no symptoms.⁴ The two active monkeypox cases that are still there, nevertheless, are still segregated.⁴ Despite completing the 21-day seclusion on August 31, the third instance, a 29-year-old person, was not yet deemed to be healed because to lesion scabs on the upper thorax and left forearm, the doctor explained.⁴ Rashes that have not dried up are still present in the fourth case.⁴

References

1. S. Korea reports 2nd case of monkeypox infection. Yonhap News Agency. (2022). Retrieved 5 September 2022, from <https://en.yna.co.kr/view/AEN20220903001000320>.
2. International News: El Salvador confirms 1st case of Monkeypox. Breaking Belize News. (2022). Retrieved 5 September 2022, from <https://www.breakingbelizenews.com/2022/08/31/international-news-el-salvador-confirms-1st-case-of-monkeypox/>.
3. Paraguay: First case of monkeypox confirmed. MercoPress. (2022). Retrieved 5 September 2022, from <https://en.mercopress.com/2022/08/26/paraguay-first-case-of-monkeypox-confirmed>.
4. de Villa, K. (2022). 2nd monkeypox case in PH 'completely healed'. Inquirer.net. Retrieved 5 September 2022, from <https://newsinfo.inquirer.net/1657788/2nd-monkeypox-case-in-ph-completely-healed>.
5. Ileyemi, M. (2022). UK detects new strain of monkeypox infection traced to Africa. Premium Times Nigeria. Retrieved 5 September 2022, from <https://www.premiumtimesng.com/news/headlines/552099-uk-detects-new-strain-of-monkeypox-infection-traced-to-africa.html>.
6. Cullen, J., Russ, S., & Russell, H. (2022). Theater for Vaccine Hesitancy—Setting the Stage for Difficult Conversations. JAMA. <https://doi.org/10.1001/jama.2022.14864>
7. Cohen, M., Oster, Y., Moses, A., Spitzer, A., Benenson, S., & Abu-Ahmad, A. et al. (2022). Association of Receiving a Fourth Dose of the BNT162b Vaccine With SARS-CoV-2 Infection Among Health Care Workers in Israel. JAMA Network Open, 5(8), e2224657. <https://doi.org/10.1001/jamanetworkopen.2022.24657>
8. CanSino's inhaled COVID-19 vaccine gets emergency use approval in China. Reuters. (2022). Retrieved 5 September 2022, from <https://www.reuters.com/world/china/cansinos-inhaled-covid-19-vaccine-gets-emergency-use-approval-china-2022-09-04/>.
9. Kirton, D. (2022). Shenzhen districts locked down as China battles COVID outbreaks. Reuters. Retrieved 5 September 2022, from <https://www.reuters.com/world/china/shenzhen-districts-locked-down-china-battles-covid-outbreaks-2022-09-03/>.
10. Ragasa, F. (2022). DOH urges COVID-19 state of calamity extension. CNN Philippines. Retrieved 5 September 2022, from <https://www.cnnphilippines.com/news/2022/9/2/DOH-urges-COVID-19-state-of-calamity-extension.html>.
11. Chan, D. (2022). Not the right time to declare Covid-19 endemic, says KJ. New Strait Times. Retrieved 5 September 2022, from <https://www.nst.com.my/news/nation/2022/09/828322/not-right-time-declare-covid-19-endemic-says-kj>.
12. Covid-19 fast becoming endemic in Thailand, says top virologist. Nation Thailand. (2022). Retrieved 5 September 2022, from <https://www.nationthailand.com/life/health-beauty/40019711>.
13. S. Korea's new COVID-19 cases hit lowest for Monday in 6 weeks as virus slows. Yonhap News Agency. (2022). Retrieved 5 September 2022, from <https://en.yna.co.kr/view/AEN20220905002300320?section=coronavirus/news>.
14. Karron, R., Hetrich, M., Na, Y., Knoll, M., Schappell, E., & Meece, J. et al. (2022). Assessment of Clinical and Virological Characteristics of SARS-CoV-2 Infection Among Children Aged 0 to 4 Years and Their Household Members. JAMA Network Open, 5(8), e2227348. <https://doi.org/10.1001/jamanetworkopen.2022.27348>



Report generated by

ASEAN Biodiaspora Virtual Center (ABVC)

in collaboration with **Bluedot Inc.**

Email: support@biodiaspora.org

Facebook: <https://facebook.com/ASEANBiodiaspora>



In partnership with
Canada