

Situational Report in the ASEAN Region

— ASEAN Biodiaspora Virtual Center (ABVC)

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COVID-19: Highlights and Situation Overview

Global Update

- **Worldwide**, over 689 million cases and over 6 million deaths have been attributed to COVID-19.
- **Republic of Korea:** South Korea's new COVID-19 cases bounced back to over 20,000 on May 31 (Wednesday).¹ According to the Korea Disease Control and Prevention Agency (KDCA), the country reported 24,411 new COVID-19 cases, including 48 imported cases, bringing the total number of cases to 31,703,511.¹ KDCA also reported 17 COVID-19-related deaths, raising the death toll to 34,784 while the number of critically ill patients came to 169, down from 176 the previous day.¹ The country's health authorities are meanwhile preparing to lift nearly all remaining COVID-19 mandates.¹ Starting Thursday, the country's mask mandate will only be applied to hospitals with inpatient rooms and residential-type high-risk facilities.¹ Mandatory isolation period will also be reduced to five days as a recommendation, from the current seven-day requirement.¹ [[Full article](#)]

Regional Update

- **Vietnam:** The country's National Steering Committee for COVID-19 Prevention and Control will meet this weekend to discuss the possibility of downgrading COVID-19 from Class A to Class B infectious diseases.² Vietnam classifies infections into three classes A, B, and C, mostly according to the severity.² Group A includes highly dangerous infectious diseases that can spread rapidly, and widely, and have a high death rate or the cause of the disease is not yet known.² Class B includes dangerous infectious diseases that can be rapidly transmittable and fatal while Class C embraces less dangerous and not rapidly transmittable infectious diseases.² In accordance with the Government leader's guidance, the Ministry of Health is coordinating with other ministries and agencies to review legal regulations, consult the experience of other countries, and review practical measures for the prevention and control of COVID-19 in Vietnam.² [[Full article](#)]

Research Update (Published and peer-reviewed studies)

- The study **Long-term post-acute sequelae of COVID-19 infection: a retrospective, multi-database cohort study in Hong Kong and the UK** evaluated the risk of post-acute sequelae of coronavirus disease 2019 (COVID-19) in the United Kingdom (UK) and Hong Kong (HK).³ The researchers obtained patients' electronic medical records from the UK Biobank (UKB) and HK Hospital Authority (HKHA).³ COVID-19 patients were identified between April 2020 and May 2022 from the HKHA and between March 2020 and May 2021 from the UKB.³ The researchers identified 535,186 COVID-19 patients from the HKHA and 16,400 patients from the UK.³ COVID-19 cases, compared to controls, showed an elevated risk of atrial fibrillation, DVT, heart failure, ARDS, chronic pulmonary disease, anxiety disorder, PTSD, seizure, acute kidney disease, end-stage renal disease, interstitial lung disease, pancreatitis, cardiovascular mortality, coronary artery disease, and all-cause mortality.³ The incidence of major cardiovascular events was higher in the UKB and HKHA. COVID-19 cases in HK showed a higher incidence of liver injury, whereas UK cases had higher incidences of Bell's Palsy, MI, and stroke.³ [[Full text](#)]



Cases and Deaths as of 31 May 2023

- As of 31 May 2023 (1PM, GMT+7), worldwide, there were **689,548,893** confirmed cases, including **6,884,618** deaths. Globally, Case Fatality Rate (CFR) was **1.0%**.
- 36,090,108 confirmed cases** of COVID-19 have been reported in the **ASEAN Region**.
- The Case Fatality Rate in the **ASEAN Region** is range between **0.1 to 3.1%**

COVID-19 cases in 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 BOOSTED	FULLY VACCINATED/ 100
ASEAN REGION	Brunei Darussalam	10 Mar 20	25-May-23	303,719	-	225	-	64,053	450,404	445,929	338,987	99.3
	Cambodia	27 Jan 20	30-May-23	138,772	-	3,056	-	841	15,244,858	14,609,937	10,433,215	87.1
	Indonesia	02 Mar 20	31-May-23	6,807,176	91	161,762	1	2,490	203,657,535	172,693,321	67,952,274	62.7
	Lao PDR	24 Mar 20	21-May-23	218,227	1	758	-	3,041	5,888,649	5,222,417		69.4
	Malaysia	25 Jan 20	28-May-23	5,100,249		37,087		15,788	28,125,245	27,536,657	17,056,957	81.1
	Myanmar	23 Mar 20	30-May-23	638,818	-	19,494	-	1,173	34,777,314	27,545,329	2,227,351	50.8
	Philippines	30 Jan 20	30-May-23	4,141,535	-	66,466	-	3,771	78,369,243	73,937,435	21,341,197	64.0
	Singapore	23 Jan 20	07-May-23	2,391,248	-	1,727	-	39,049	5,161,990	5,120,768	4,440,289	90.8
	Thailand	13 Jan 20	22-May-23	4,738,988	-	34,053	-	6,791	57,005,497	53,486,086	32,143,431	74.6
	Vietnam	23 Jan 20	30-May-23	11,611,376	-	43,206	-	11,950	90,450,881	85,848,363	57,452,750	87.4
ASEAN COUNTRIES				36,090,108	92	367,834	1	148,946	519,131,616	466,446,242	213,386,451	

*There have been no tests reported in the last 14 days in the **ASEAN** Region.

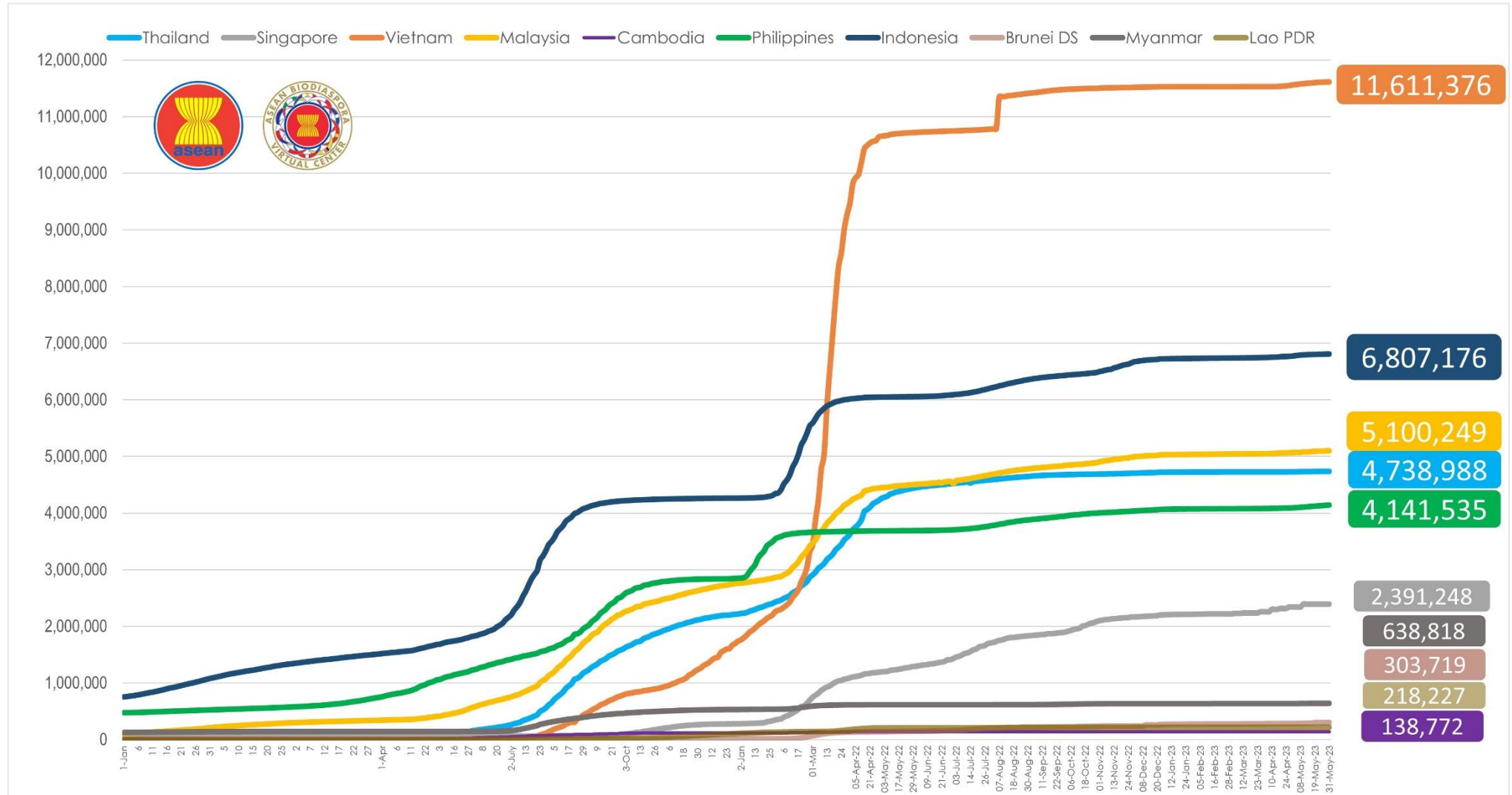
REGION	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS
ASIA	195,790,957	24,412	1,206,901	17
AFRICA	12,823,621		258,772	
AMERICAS	195,460,300		2,989,817	
EUROPE	249,383,907		2,061,294	-
TOTAL	653,458,785	24,412	6,516,784	17

**Data References: [Andra Farm](#), [Worldometer](#), [DOH Philippines](#), and the [WHO](#)



COVID-19 Epi curve among ASEAN Countries:

From January 1, 2021 to May 31, 2023



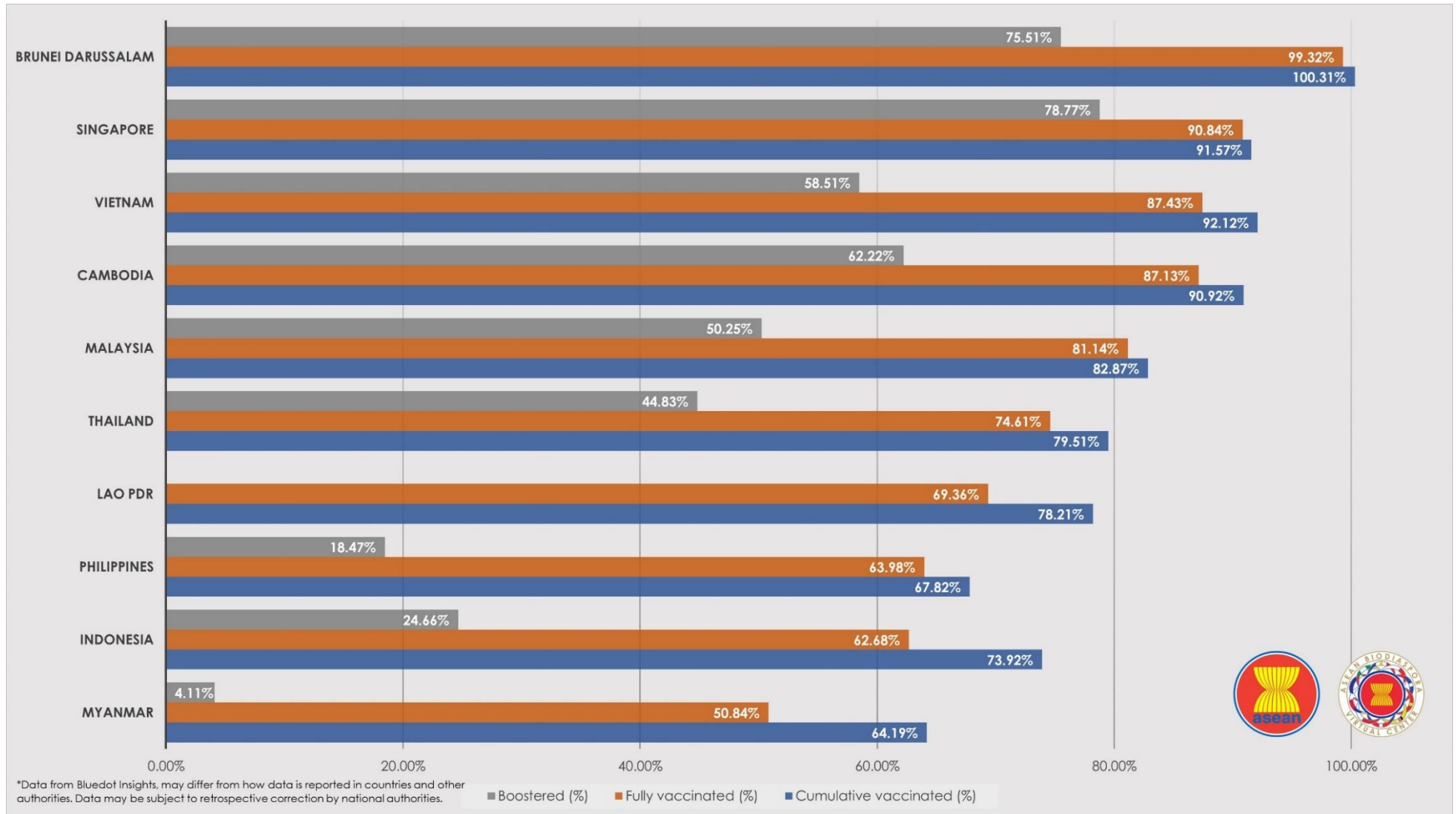
Cumulative cases of COVID-19 in the ASEAN Region as of May 31, 2023 (Report generated by ASEAN Biodiaspora Virtual Center)

*Data from Bluedot Insights, cases may differ from how data is reported in countries and other authorities. Data may be subject to retrospective correction by national authorities.



ASEAN COVID-19 Vaccination Status

as of 09 March 2023

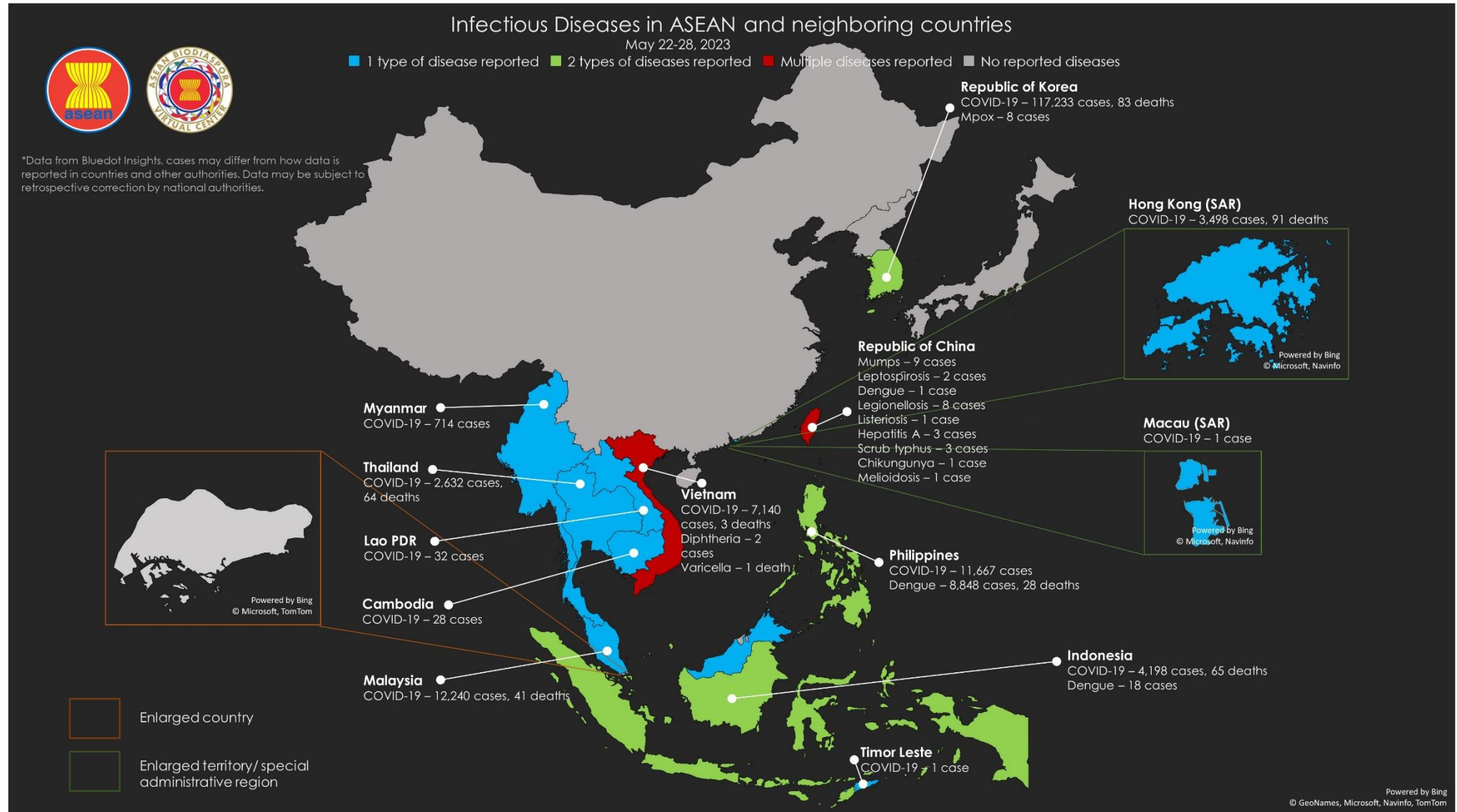


*Last update in COVID-19 vaccination status in ASEAN was on March 9, 2023.



Reported Infectious Diseases in ASEAN Region and Neighboring Countries

From May 22-28, 2023





Reported Infectious Diseases Other than COVID-19, Mpox, Measles, and Dengue

May 22-28, 2023

Infectious Disease Global Updates

Unknown Febrile Illness

- **India:** Panic gripped residents of Patrapur block in Ganjam district after an unidentified disease reportedly claimed the life of a 3-year-old child besides affecting 20 others in the area within the last 3 days.⁷ The deceased minor resided in Titirisingi village in Ankuli panchayat.⁷ Of the affected, 9 are children aged 4 to 7 years; the rest are adults.⁷ Sources said the victims showed symptoms of high fever and weakness.⁷ It has meanwhile spread to Buratal and Tumba panchayats as well.⁷ President of Adivasi Dadan Rajmistri Nirmana Sangh Ganesh Karji complained that since the villages are situated in hilly areas, health services do not reach them.⁷ Health officials of Patrapur CHC [Community Health Centre] led by Dr. Sambit Begroy meanwhile reached the affected villages on Monday (22 May 2023) to take stock of the situation.⁷ "Blood samples have been collected to ascertain the cause of the disease," said Dr. Begroy adding, medicines have been distributed to the victims.⁷ Owing to poor road connectivity, the health team had to walk for around 3 km [2 mi] to reach the areas. Of 3250 villages in the district, 339 are without roads; 219 villages have never seen an ambulance.⁷ Others avail ambulance only during fair weather.⁷ Of 219 inaccessible villages, 76 are in Patrapur block, 61 in Surada, 27 in Dharakote, and 21 in Digapahandi.⁷ [[Full article](#)]

Infectious Disease in ASEAN Region and Neighboring Countries Updates

Varicella

- **Vietnam:** Bach Mai Hospital in Hanoi has recently seen a rise in chickenpox cases, including a 32-year-old man who unfortunately succumbed to complications associated with the illness.⁸ Two weeks prior to his hospital admission, the patient, who had no previous health issues and was in good overall health, apparently acquired the illness from his son, who had been earlier diagnosed with chickenpox, according to his family.⁸ Ten days following his infection, the man developed blisters on the skin accompanied by a fever, prickling sensations, and chills. He sought medical attention at a private clinic where he was diagnosed with chickenpox and prescribed medication.⁸ Unfortunately, the medication did not seem to help.⁸ The patient was later brought to Bach Mai Hospital's emergency department because he was exhibiting symptoms such as fever, multi-organ failure, coma, cerebral hemorrhage, lung impairment, and cardiac impairment.⁸ The ailment advanced rapidly, necessitating the patient's transfer to the hospital's infectious disease center less than 24 hours after his admission to the emergency department.⁸ "The patient arrived at the center the previous evening at 6:00 pm and had developed a rapid heartbeat by 4:00 am the next day," said Dr. Do Duy Cuong, director of the Center for Tropical Diseases at Bach Mai.⁸ "By 9:00 am, his vital signs began to decline, prompting his family to ask to take him home.⁸ "Despite doctors' diligent efforts to provide treatment, the patient was transferred to the center when it was already too late, resulting in numerous complications and ultimately leading to his untimely demise."⁸ [[Full article](#)]



Diphtheria

- **Vietnam:** From April 30 to May 21, 2023, Dien Bien province recorded 2 cases of diphtheria, with 1 death in Pu Nhi commune, Dien Bien Dong district.⁹ Pu Nhi commune, where there are 2 diphtheria patients in Dien Bien Dong district, is a mountainous commune, the population of the commune is 5,819 people, of which more than 70% of the people are H'mong people, the rest are Thai people.⁹ There are 13 villages in the commune.⁹ On April 30, 2023, a case of suspected diphtheria was recorded at Dien Bien Provincial General Hospital with symptoms of high fever, sore throat, difficulty swallowing, cough, cloudy sputum, and edema.⁹ On May 1, 2023, the patient fell into a coma and died.⁹ On May 4, 2023, there were test results of the Central Institute of Hygiene and Epidemiology: the patient was positive for diphtheria.⁹ On May 8, 2023, one more suspected case of diphtheria was reported to the health center of Dien Bien Dong district with follow-up laboratory diagnosis of diphtheria on May 12, 2023.⁹ Currently, the patient's health is stable.⁹ The leader of Dien Bien Department of Health said that right after receiving information about the first case, the Department of Health organized an epidemic investigation team including representatives of the Department of Health, Leaders and professional staff of the Center for Disease Control have directly directed and managed epidemic prevention activities.⁹ The health sector has coordinated with local authorities to organize teams to treat the environment, spray disinfectant to prevent epidemics.⁹ In Hang Chung village, the patient's family and surrounding households have been disinfected with chloramin B solution.⁹ 10% of children in Pu Nhi commune were not vaccinated with the diphtheria vaccine.⁹ Thus, from May 22 to May 26, 2023, the Dien Bien health department administered 1 dose of diphtheria vaccine to subjects aged 7 to 20 years old in Pu Nhi commune and a number of villages in Noong U commune adjacent to the commune.⁹ In the last 20 years, Dien Bien province has not recorded a case of diphtheria, so there are no local diphtheria test kits available.⁹ [[Full article](#)]



Dengue Cases in ASEAN Region

From January 1 to May 30, 2023



Dengue cases in ASEAN region

Country	Dengue Cases	New Cases since the previous report	Deaths	Case Fatality Rate (CFR)
Brunei Darussalam	-	-	-	-
Cambodia	750	0	2	0.27%
Indonesia	3,959	0	24	0.61%
Lao PDR	2,041	0	0	0.00%
Malaysia	43,619	2,444	26	0.06%
Myanmar	1,717	1,717	7	0.41%
Philippines	39,947	2,297	127	0.32%
Singapore	3,189	122	0	0.00%
Thailand	16,650	12,795	14	0.08%
Vietnam	20,537	0	0	0.00%
Total	132,409	19,393	200	0.15%

*Data from Bluedot Insights, cases may differ from how data is reported in countries and other authorities. Data may be subject to retrospective correction by national authorities.

- ASEAN region reported **19,393** new dengue cases in Malaysia, Myanmar, the Philippines, Singapore, and Thailand since previous report. The region reported **132,409** total cases and **200** total deaths in 2023 with **0.15%** CFR.



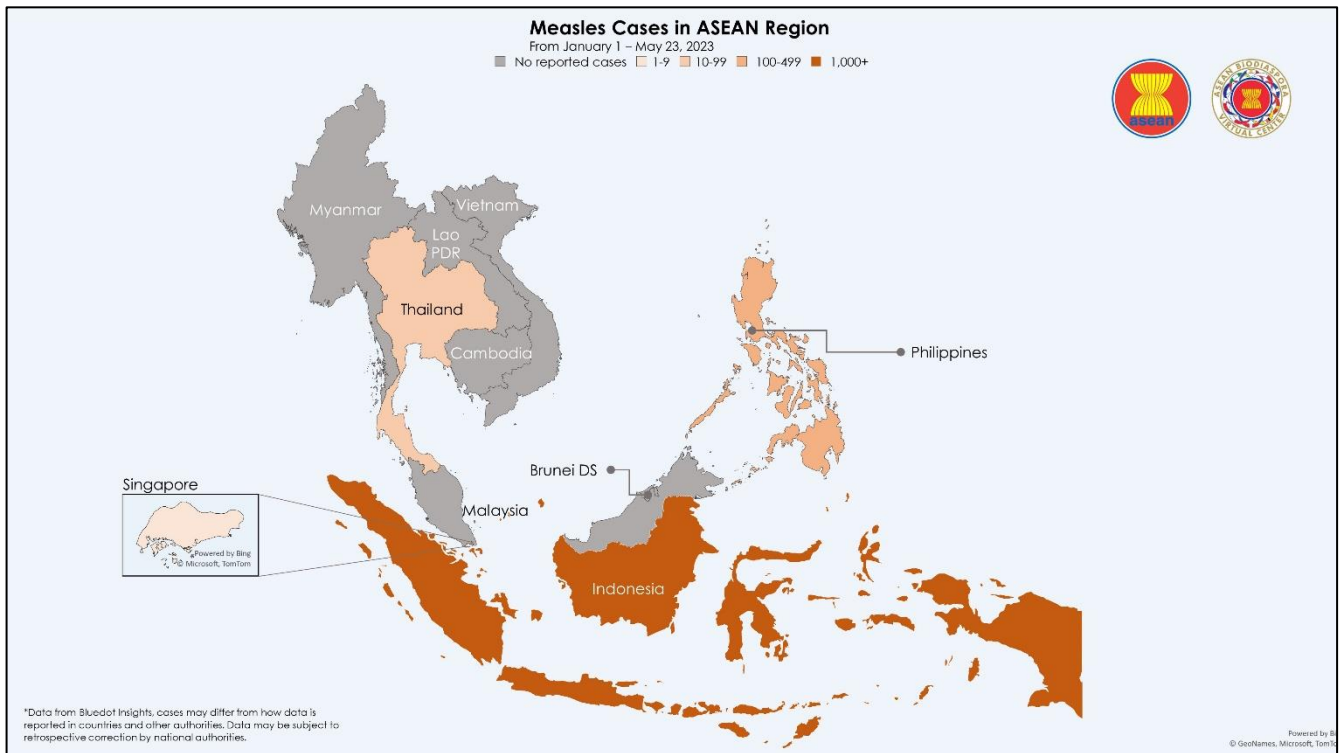
Dengue

- **Indonesia:** Head of P2P Singkawang City Health Service , Mursalin said that from early 2023 to May there were 18 cases of dengue fever (DHF) in Singkawang City.⁴ "For now, Singkawang is still safe.⁴ Until the 21st week of 2023 , there have only been 18 cases," he said when met by the Pontianak Tribune at the Singkawang City Health Office, West Kalimantan, Monday, May 23, 2023.⁴ For the 21st week of 2023, in May there were already 2 patients currently in the hospital.⁴ Whereas in 2022 previously, the number of dengue cases reached 96 cases for the city of Singkawang.⁴ He explained to the Pontianak Tribune that the Puskesmas was always on the ground to anticipate dengue.⁴ "Abatement, monitoring of larvae, counseling related to DHF are always carried out by the Puskesmas," he said.⁴ Regarding the procurement of abates, it was carried out by the Puskesmas and distributed to special areas in Singkawang City.⁴ "If there is a case, our puskesmas has already budgeted for action in the field, both fogging and so on," he explained.⁴ He added, the key is 3 M, closing, burying and draining.⁴ [[Full article](#)]
- **Malaysia:** The number of cumulative dengue cases in Johor has increased in epidemiology week 20 (ME20) with 3,140 cases this year compared to 648 cases in the corresponding period in 2022.⁵ State health and unity committee chairman Ling Tian Soon said 1,174 (37.6%) were epidemic locality cases while 1,966 (62.6%) were non-epidemic locality cases.⁵ "ME20 recorded 223 new cases against 218 cases registered in the ME19," he said in a statement.⁵ Ling said the Johor Baru district had the highest cases with 161, Kulai with 33, Batu Pahat and Kota Tinggi each with six cases, Kluang and Segamat each has five, Muar with four, two in Pontian and Tangkak with one case. He added there were six cumulative deaths from ME1 to ME20 this year compared with zero deaths in the corresponding period in 2022.⁵ "We have issued 2,530 compound notices totaling RM1.21mil so far this year to premises owners found to be breeding places of Aedes mosquitoes and 58.8% of them had paid the fines," said Ling.⁵ [[Full article](#)]
- **Philippines:** Dengue cases in the country are nearing the 40,000 mark in just the first four months of 2023.⁶ Based on the latest Disease Surveillance Report of the Department of Health (DOH), there are already 39,947 cases of dengue being reported for the period of January 1 to April 29.⁶ The number is 43 percent higher compared to the 27,928 dengue cases reported during the same period last year.⁶ Having the highest number of dengue cases recorded were in the National Capital Region (5,552), Calabarzon (4,252), and Central Luzon (4,026).⁶ Seeing the highest increase when compared to 2022 were Mimaropa (388%; 533 to 2,602), Soccsksargen (201%; 1,020 to 3,069) and National Capital Region (123%; 2,493 to 5,552). In contrast, there were fewer deaths due to dengue reported this year with 127 or a case fatality rate (CFR) of 0.32%.⁶ There were more deaths in 2022 during the same period at 166 or a 0.59% CFR.⁶ The most deaths caused by the mosquito-borne disease were Mimaropa with 17 and Soccsksargen with 12.⁶ The DOH earlier warned the public against the threat of dengue during the dry season as households tend to store water in containers, which may become mosquito-breeding sites.⁶ [[Full article](#)]



Measles Cases in ASEAN Region

From January 1 to May 30, 2023



Measles cases in ASEAN region

Country	Measles Cases	New Cases since the previous report	Deaths	Case Fatality Rate (CFR)
Brunei Darussalam	-	-	-	-
Cambodia	-	-	-	-
Indonesia	2,161	0	17	0.79%
Lao PDR	-	-	-	-
Malaysia	-	-	-	-
Myanmar	-	-	-	-
Philippines	376	0	-	0.00%
Singapore	5	0	-	0.00%
Thailand	73	0	-	0.00%
Vietnam	-	-	-	-
Total	2,615	0	17	0.65%

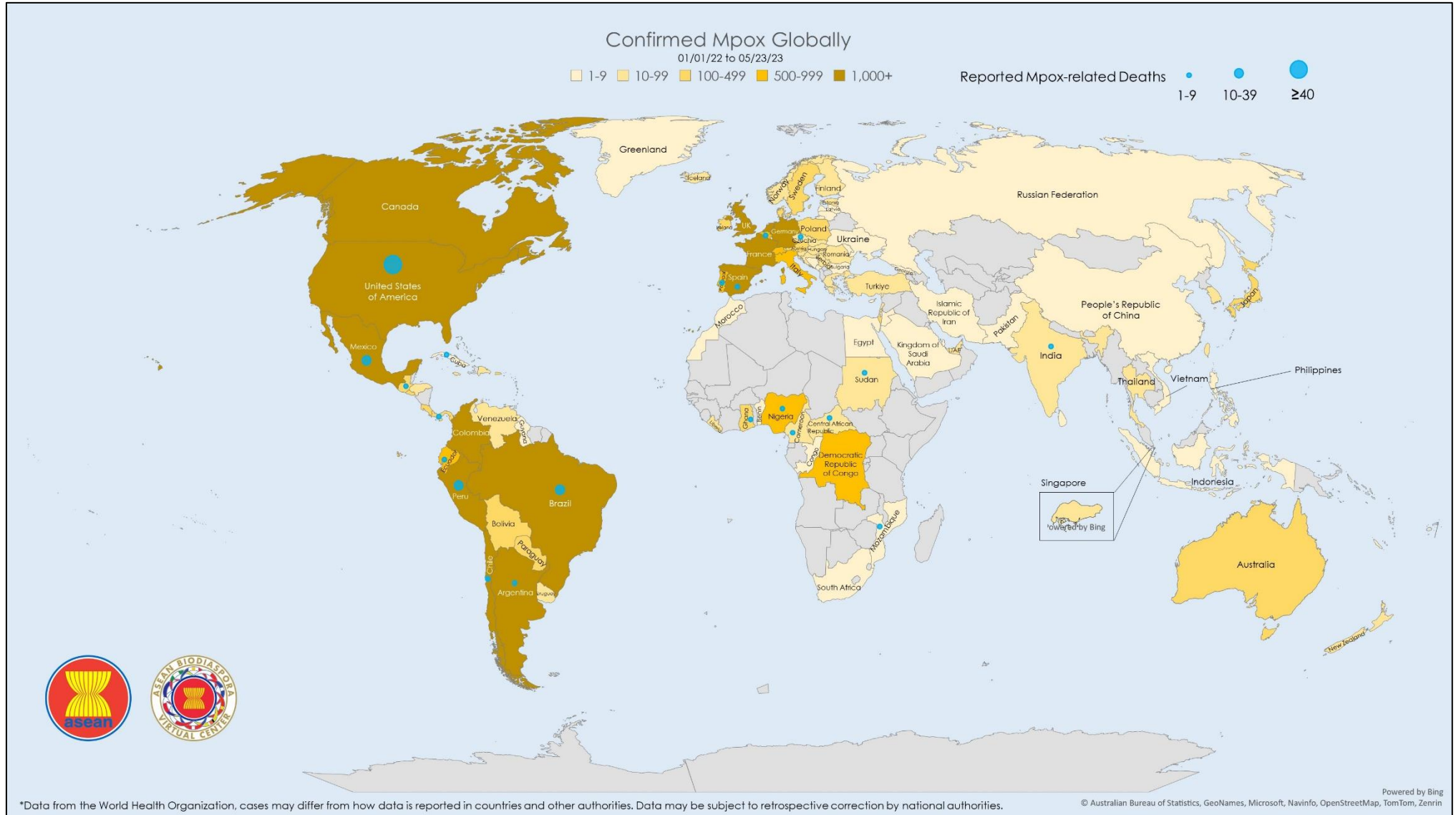
*Data from Bluedot Insights, cases may differ from how data is reported in countries and other authorities. Data may be subject to retrospective correction by national authorities.

- ASEAN region reported **NO** new measles cases since the previous report. The region reported **2,615** total cases and **17** total deaths in 2023 with **0.65%** CFR.



Mpox Cases Reported Globally

as of May 23, 2023

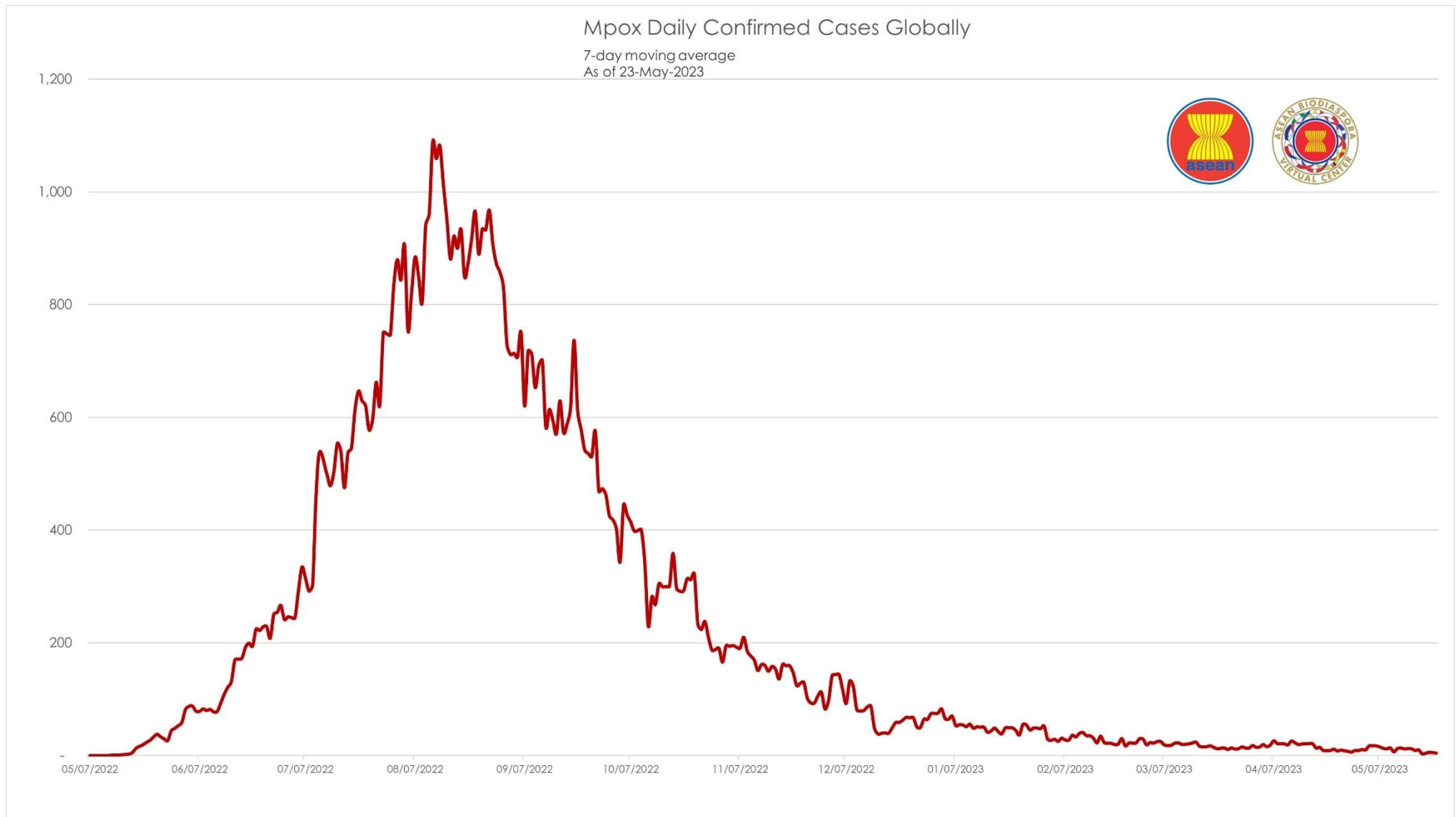


*Data from the World Health Organization, cases may differ from how data is reported in countries and other authorities. Data may be subject to retrospective correction by national authorities.



Mpox Daily Trend Globally

as of May 23, 2023





Mpox: Highlights and Situation Overview

- As of 23 May 2023 (1PM, GMT+7), there were 87,515 confirmed cases worldwide, including **141** deaths. Globally, the Case Fatality Rate (CFR) was **0.16%**.
- 59 confirmed cases** in the ASEAN region, with a CFR of **0%**.
- 87,456 confirmed cases** of Mpox have been reported in other **5 regions** (other than the ASEAN region):

Mpox cases in the ASEAN region

Country	Total Cases	New Cases	Deaths	Case Fatality Rate (CFR)
Indonesia	1	-	-	0.00%
Philippines	5	-	-	0.00%
Singapore	25	-	-	0.00%
Thailand	26	-	-	0.00%
Vietnam	2	-	-	0.00%
ASEAN Total	59	-	-	0.00%

Mpox cases in the Asia-Pacific region

Country/Territory	Total Cases	New Cases	Deaths	Case Fatality Rate (CFR)
Australia	145	-	-	0.00%
India	22	-	1	4.55%
Japan	135	-	-	0.00%
New Caledonia	1	-	-	0.00%
New Zealand	41	-	-	0.00%
People's Republic of China*	8	-	-	0.00%
The Republic of China*	83	-	-	0.00%
The Republic of Korea*	80	-	-	0.00%
Sri Lanka	2	-	-	0.00%
Asia-Pacific Total	517	-	1	0.19%

*People's Republic of China – China, Hong Kong (SAR), and Macao (SAR); Republic of China – Taiwan, Republic of Korea – South Korea

Top 5 countries with the most mpox cases globally

Country	Total Cases	New Cases	Deaths	Case Fatality Rate (CFR)
United States of America	30,194	-	42	0.14%
Brazil	10,941	-	16	0.15%
Spain	7,551	-	3	0.04%
France	4,146	-	-	0.00%
Colombia	4,090	-	-	0.00%



Mpox cases per region

REGION	TOTAL CONFIRMED CASES SINCE JANUARY 1, 2022	NEW CASES SINCE THE PREVIOUS REPORT	TOTAL DEATHS	CASE FATALITY RATE
AFRICA	1,626	-	19	1.17%
AMERICAS	59,371	-	114	0.19%
ASEAN	59	-	-	0.00%
ASIA PACIFIC	517	-	1	0.19%
EUROPE	25,617	-	7	0.03%
MIDDLE EAST	325	-	-	0.00%
TOTAL	87,515	-	141	0.16%



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