



This report aims to provide the current situation on infectious and emerging diseases in the ASEAN Region. We collate various information from multiple official sources and publicly available sources, and is published every week on Wednesday. For feedback and/or suggestions, please write to support@biodiaspora.org

Editorial

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Weekly Issue

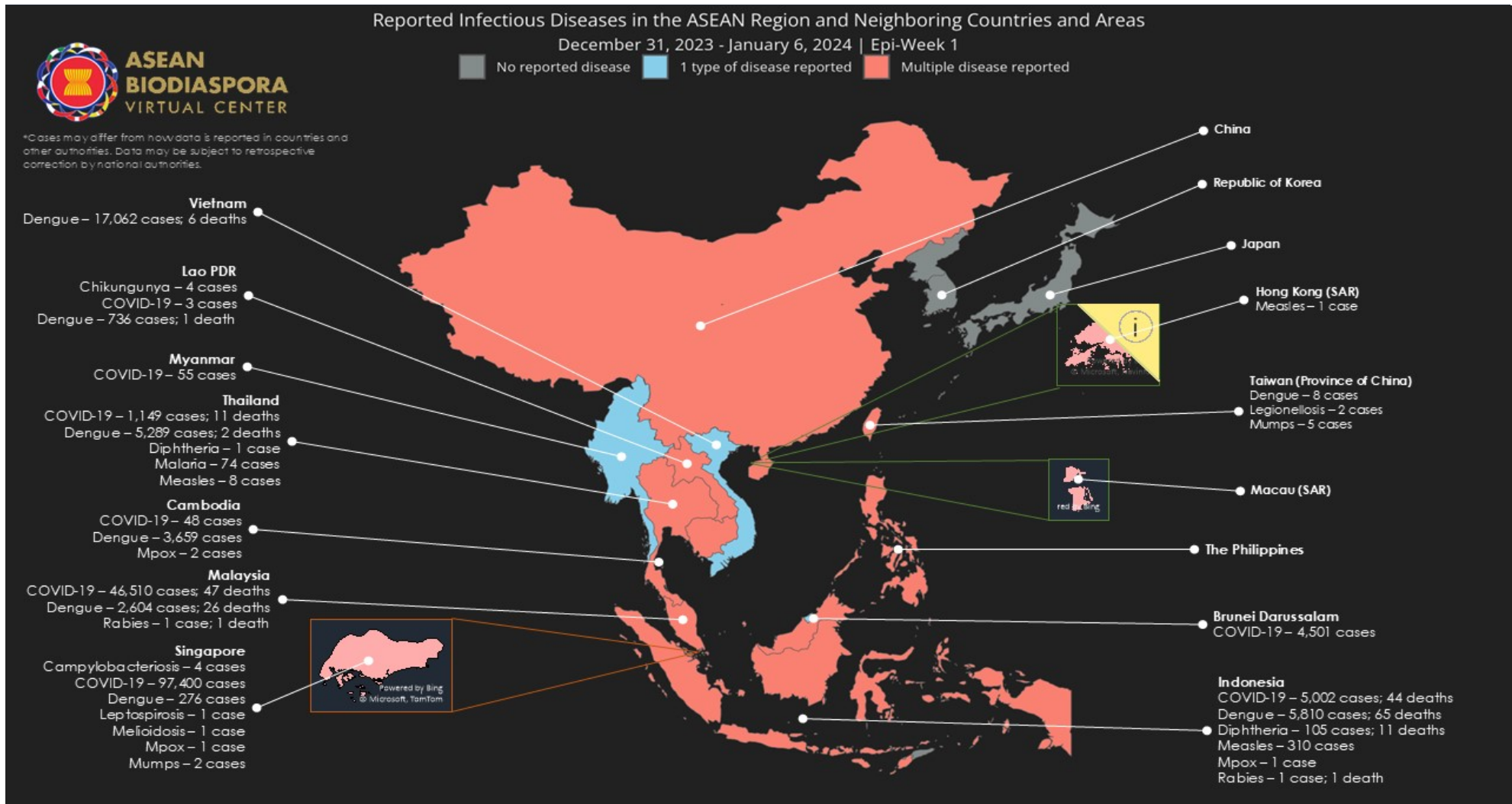


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Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 1 | December 31, 2023 – January 6, 2024



The data was taken from the BlueDot Developer Portal, accessed January 8, 2024, <https://developer-portal.bluedot.global/>.

1. Ministry of Health Singapore, "Weekly Infectious Diseases Bulletin," Ministry of Health, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>.



Key Findings

- COVID-19 cases and deaths have increased by **161,032** and **163**, respectively, since the last report in the ASEAN Region.
- There has been a noticeable increase in spotting subtypes of **BA.2.86**, including the Variant of Interest **JN.1**, in December 2023.
- There are **four** mpox new cases in the ASEAN Region since last report.
- **One** new rabies cases and **one** new deaths have been found since last report for zoonosis in the ASEAN Region.
- Dengue cases and deaths has increased by **34,892** and **99** since the last report. Meanwhile, **74** new malaria cases and **50** new chikungunya cases have been found since the last report for vector-borne diseases in the ASEAN Region.
- There are **106** new diphtheria cases and **nine** new measles cases since last report for vaccine-preventable diseases in the ASEAN Region.

Infectious Diseases in the ASEAN Region in (2023-2024) – Summary Table

Epidemiological Week 1 | From January 1, 2023, to January 6, 2024

Infectious Diseases	COVID-19			Mpox			Rabies			Dengue		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	69,336	77	0.11%	-	-	-	Rabies-free Country			-	-	-
Cambodia	601	-	0.00%	3	0	0	-	-	-	31,567	39	0.12%
Indonesia	110,237	1,353	1.23%	73	0	0	118	118	100%	98,071	764	0.78%
Lao PDR	1,320	87	6.59%	1	0	0	-	-	-	31,997	20	0.06%
Malaysia	207,922	436	0.21%	9	0	0	19	19	100%	123,133	100	0.07%
Myanmar	7,873	5	0.06%	-	-	-	-	-	-	6,685	30	0.45%
Philippines	133,188	1,459	1.10%	2	0	0%	368	368	100%	195,603	657	0.34%
Singapore	640,441	222	0.03%	32	0	0%	Rabies-free Country			9,939	0	9,939
Thailand	43,467	848	1.95%	644	1	0%	6	6	100%	156,097	167	0.11%
Vietnam	100,747	20	0.02%	113	6	5.31%	64	64	100%	166,619	42	0.03%
ASEAN Region	1,315,132	4,507	0.34%	877	7	0.80%	575	575	100%	819,711	1,819	0.22%

Infectious Diseases	Malaria			Chikungunya			Measles			Diphtheria		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	1,899	0	0.00%	468	0	0%	9,120	0	0.12%	905	56	6.19%
Lao PDR	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	1,116	0	0.00%	197	0	0%	-	-	-	-	-	-
Myanmar	4,510	0	0.00%	-	-	-	-	-	-	-	-	-
Philippines	31	0	0.00%	2,889	0	0%	2,576	0	0.62%	198	50	25.25%
Singapore	23	0	0.00%	13	0	0%	8	1	0.00%	0	-	0.00%
Thailand	5,023	4	0.08%	1,389	0	0%	345	8	0.00%	6	0	0.00%
Vietnam	349	0	0.00%	-	-	-	-	-	-	41	3	7.32%
ASEAN Region	12,951	4	0.03%	4,959	0	0%	12,049	9	0.22%	1,150	109	9.49%



EMERGING DISEASES

COVID-19: Highlights and Situation Overview

- As of 6 January 2024 (5PM, GMT+7), there were **701,191,970** confirmed cases **worldwide**, including **6,965,317 deaths**. Globally, Case Fatality Rate (CFR) was **0.99%**.
- **36,725,235 total confirmed cases** of COVID-19 have been reported in the **ASEAN Region**.
- The CFR in the **ASEAN Region** was **1.01%**.

COVID-19 cases in the ASEAN region

ASEAN MEMBER STATES	FIRST CONFIRMED CASES	LATEST REPORT ON CONFIRMED	CUMULATIVE CASES	CUMULATIVE CASES IN 2023	NEW CASES SINCE LAST REPORT	CUMULATIVE DEATHS	NEW DEATHS SINCE LAST REPORT	CUMULATIVE CASES/ 100,000
Brunei Darussalam	10-Mar-20	31-Dec-23	330,776	69,336	4,501	225	0	74,260
Cambodia	27-Jan-20	08-Jan-24	139,039	601	48	3,056	0	816
Indonesia	02-Mar-20	08-Jan-24	6,821,940	110,237	5,002	161,965	44	2,448
Lao PDR	24-Mar-20	31-Dec-23	218,906	1,320	3	758	0	2,847
Malaysia	25-Jan-20	08-Jan-24	5,227,322	207,922	46,510	37,293	47	15,152
Myanmar	23-Mar-20	31-Dec-23	641,448	7,873	55	19,495	0	1,171
Philippines	30-Jan-20	31-Dec-23	4,132,200	133,188	6,364	66,856	61	3,494
Singapore	23-Jan-20	31-Dec-23	2,827,115	640,441	97,400	1,933	0	46,848
Thailand	13-Jan-20	08-Jan-24	4,762,375	43,467	1,149	34,517	11	6,629
Vietnam	23-Jan-20	31-Oct-23	11,624,114	100,747	0	43,206	0	11,747
ASEAN REGION			36,725,235	1,315,132	161,032	369,304	163	5,336

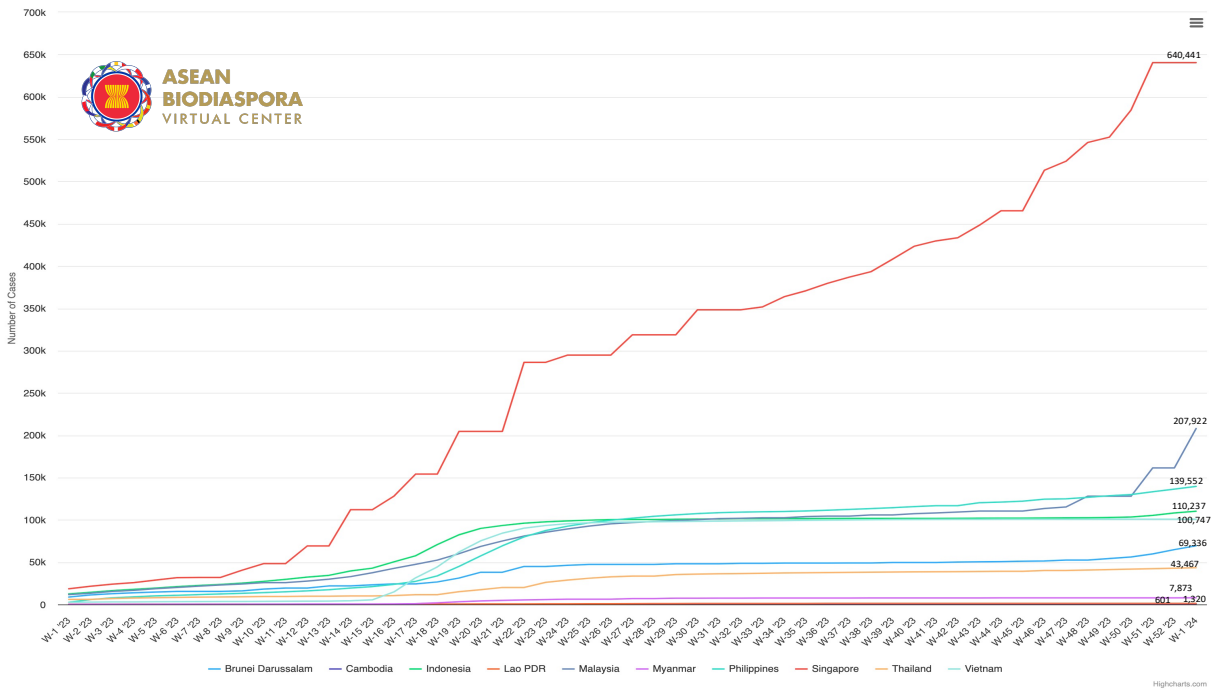
REGIONS	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS
AFRICA	12,857,059	18	258,874	0
AMERICAS	199,777,878	264,438	3,029,554	1,261
ASEAN	36,725,235	50,621	369,304	104
ASIA & OCEANIA	199,161,223	76,843	1,215,240	243
EUROPE	252,670,575	146,684	2,092,345	2,790
GLOBAL TOTAL	701,191,970	538,604	6,965,317	4,398

**Data Reference: [Worldometer, WHO](https://www.worldometers.info/)



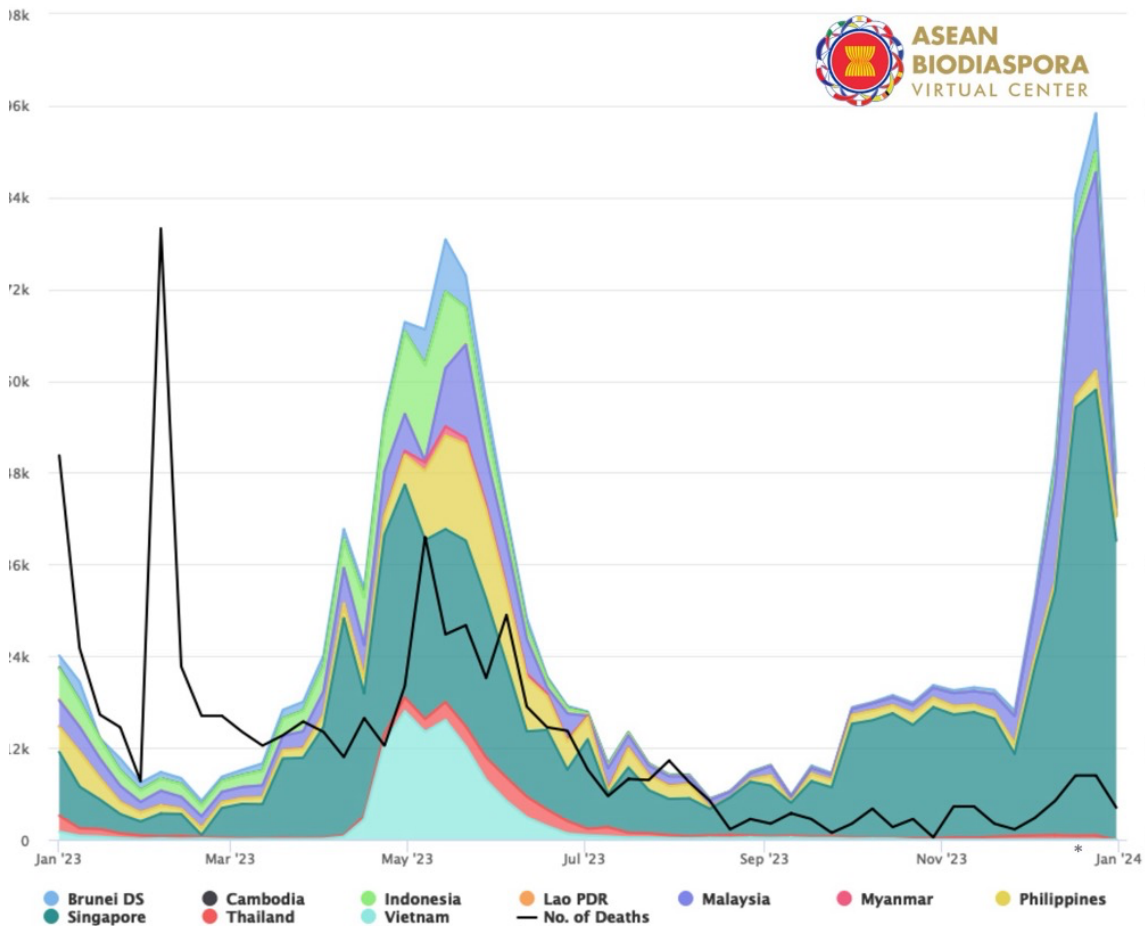
COVID-19 Epidemic Curve Among the ASEAN Member States (AMS)

From January 1, 2023, to January 6, 2024



ASEAN Weekly COVID-19 New Cases and Deaths

From January 1, 2023, to January 6, 2024

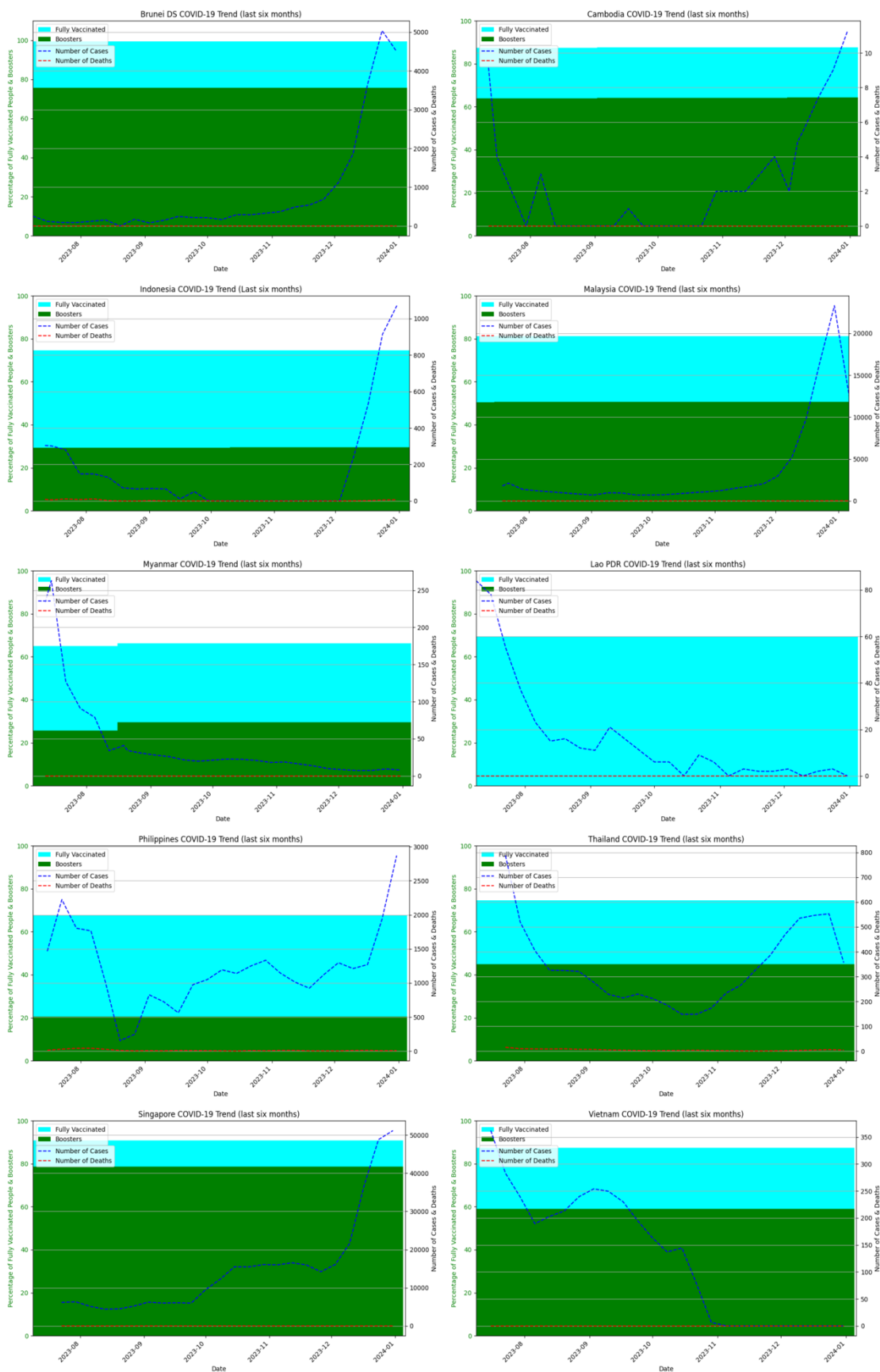


**Data References: [Singapore Government](#), [Worldometer](#), and the [WHO](#)



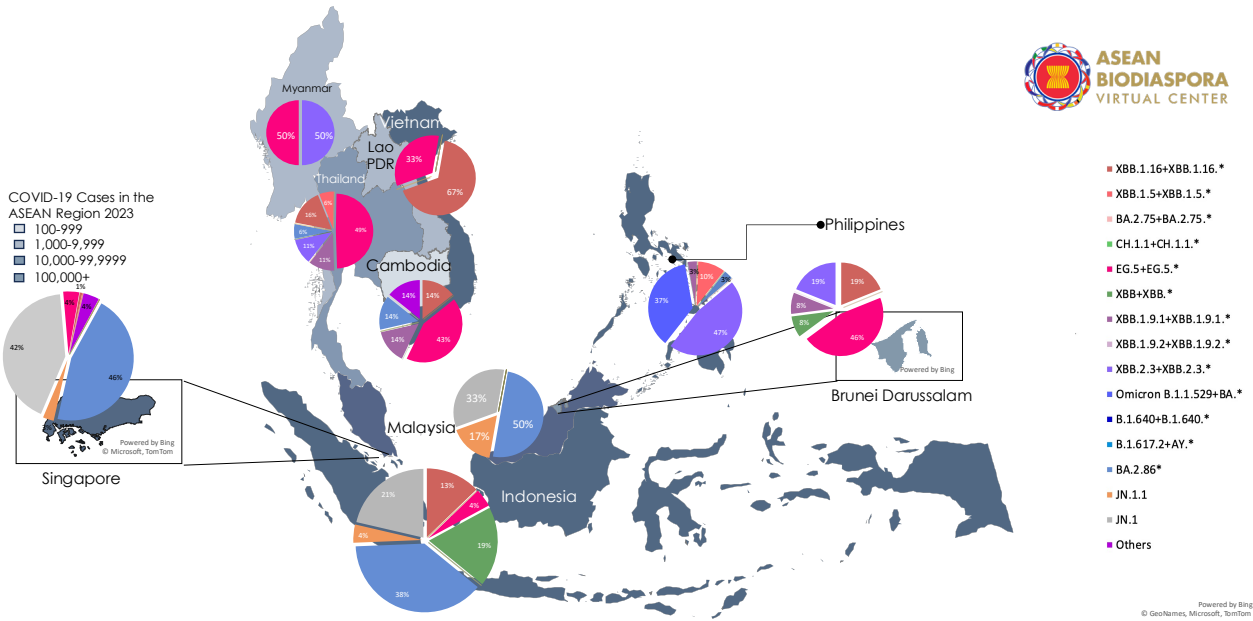
Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS

From July 1 to January 6, 2024



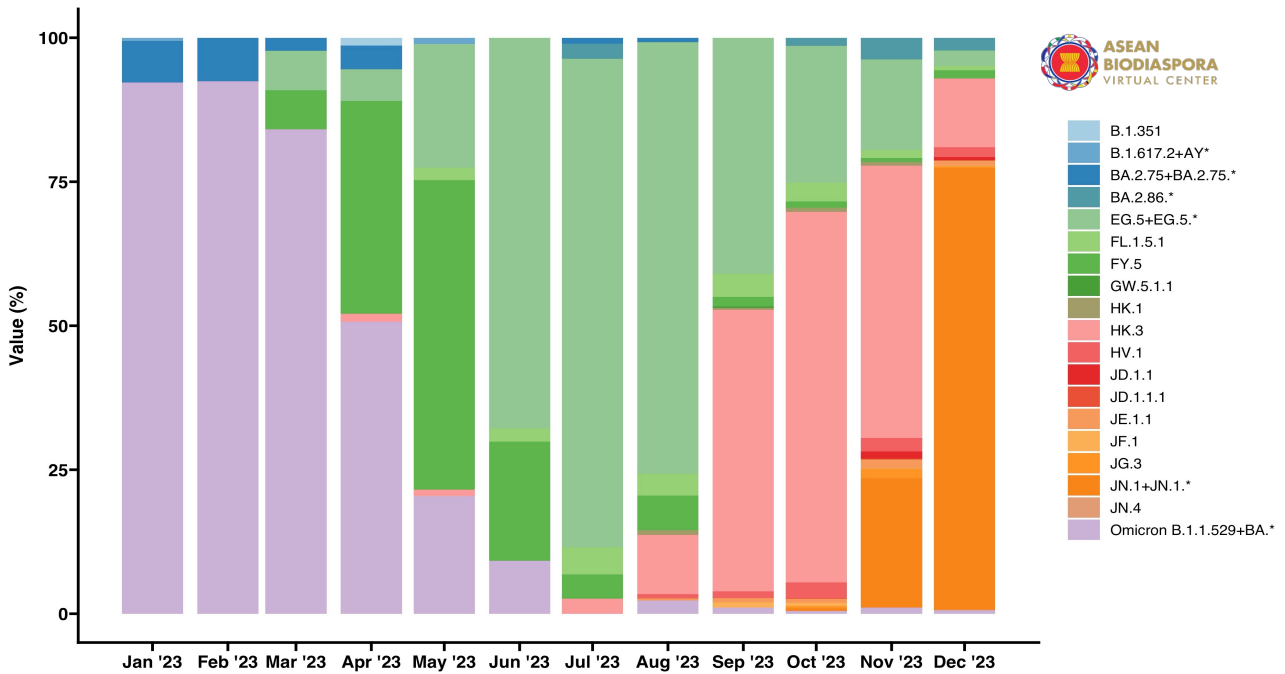
**Data References: Singapore Government, Worldometer, OWID, and the WHO

COVID-19 Variants Frequencies Among the ASEAN Member States In December 2023



GISAIID. "hCoV-19 Variants Dashboard," accessed January 8, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

COVID-19 Variants Frequencies in the ASEAN Region From January to December 2023



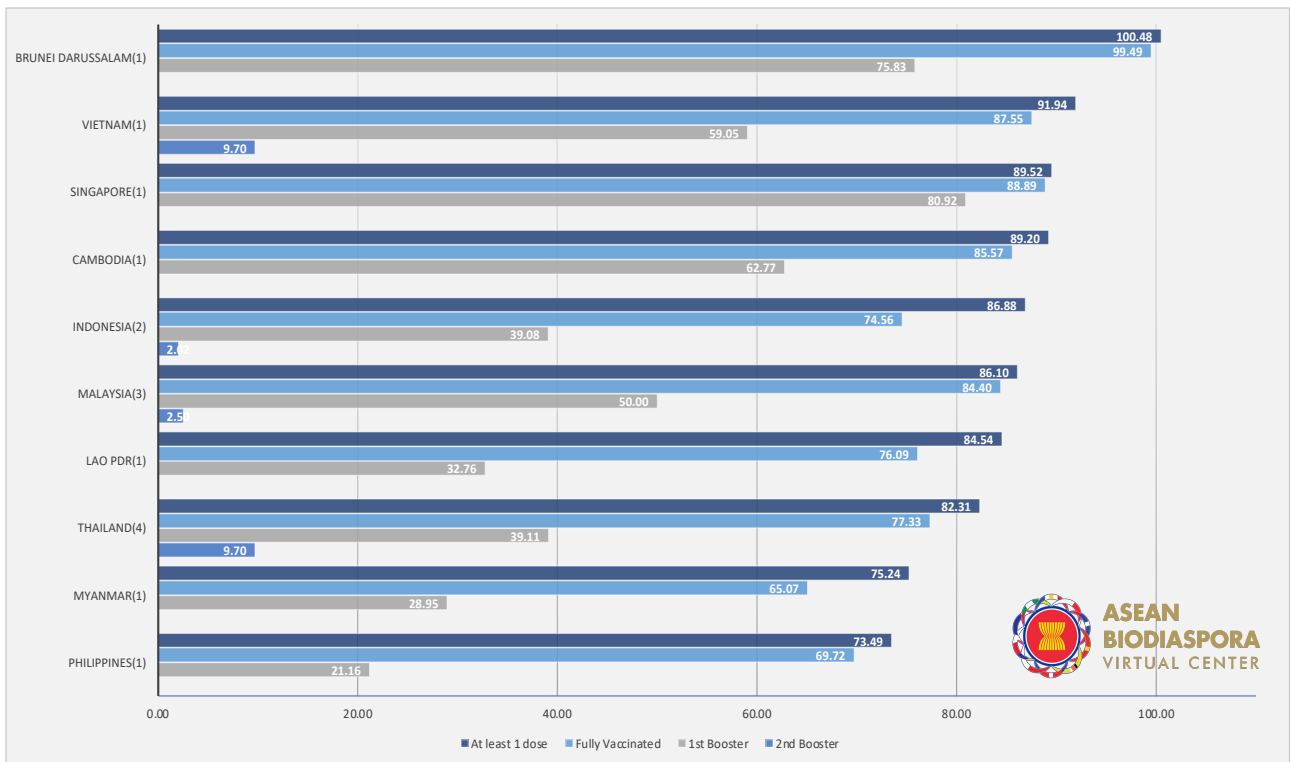
GISAIID. "hCoV-19 Variants Dashboard," accessed January 8, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.



ASEAN COVID-19 Vaccination Status

As of 6 January 2024

ASEAN MEMBER STATES	CUMULATIVE WITH AT LEAST ONE DOSE	CUMULATIVE FULLY VACCINATED	CUMULATIVE BOOSTED	FULLY VACCINATED PER 100
Brunei Darussalam	451,149	446,714	340,466	100.29
Cambodia	15,315,251	14,691,716	10,776,613	86.23
Indonesia	203,878,842	174,969,323	70,958,894	62.78
Lao PDR	6,324,678	5,691,962	2,451,034	74.04
Malaysia	28,137,666	27,550,642	17,178,062	79.86
Myanmar	41,551,927	35,937,796	15,987,381	65.60
Philippines	82,684,774	78,443,972	23,811,248	66.33
Singapore	5,320,400	5,282,967	4,809,470	87.54
Thailand	57,678,376	54,190,997	27,409,734	75.43
Vietnam	90,272,853	85,961,564	57,975,220	86.87
Total	531,615,916	483,167,653	231,698,122	70.20

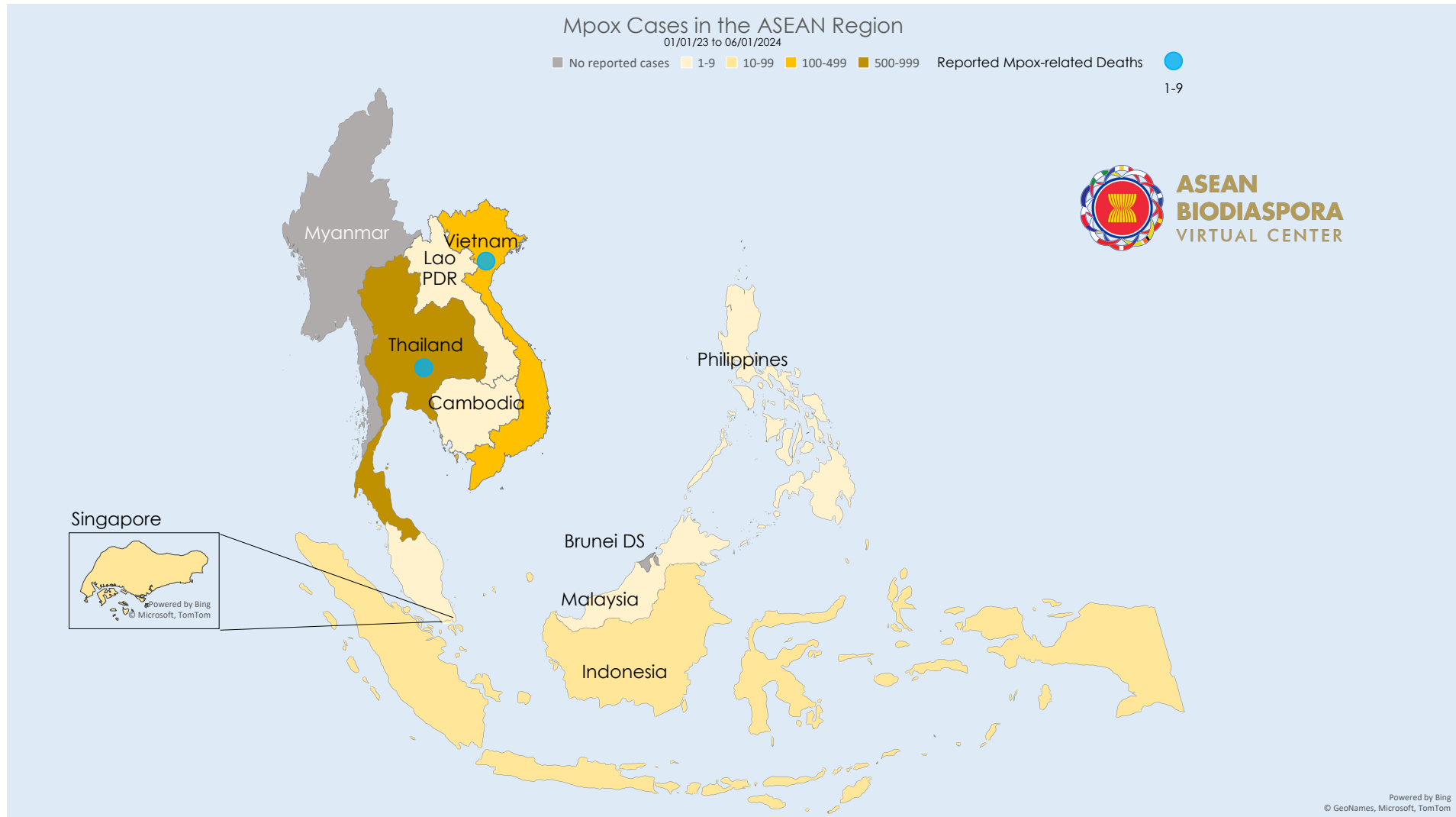


1. World Health Organization, Coronavirus (Covid-19) Data, accessed January 8, 2024 <https://covid19.who.int/data>
 2. Ministry of Health Indonesia, "Vaccine Dashboard, January 8, 2024, <https://vaksin.kemkes.go.id/#/vaccines>
 3. Ministry of Health Malaysia, Covid-19 vaccination, accessed January 8, 2024, <https://data.moh.gov.my/dashboard/covid-vaccination>
 4. Ministry of Public Health Thailand, Covid-19 Vaccination Infographic, accessed January 8, 2024, <https://dashboard-vaccine.moph.go.th/>



Mpox Cases Reported in the ASEAN Region

January 1, 2023 – January 6, 2024



1. Ministry of Health Republic of Indonesia
2. EBS Bluedot (Accessed on January 8, 2024)
3. Ministry of Health Singapore, accessed January 8, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>



Mpox: Highlights and Situation Overview

- From 1 January 2023 to 6 January 2024, **9,260** confirmed cases worldwide in 2023-2024, including **1235** deaths. Globally, the CFR was **2.54%**.
- **877 confirmed cases** including **seven deaths** in the **ASEAN** region in 2023-2024, with a CFR of **0.80%**.
- **8,384 confirmed cases** of mpox have been reported in **other regions** in 2023-2024 (other than the **ASEAN** region):

Mpox cases in the ASEAN region (Jan. 1, 2023, to Jan. 6, 2024)

ASEAN Member States	Cumulative Cases 2023	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
Cambodia ¹	3	2	0	0.00%
Indonesia ²	73	1	0	0.00%
Lao PDR ¹	1	0	0	0.00%
Malaysia ¹	9	0	0	0.00%
Philippines ¹	2	0	0	0.00%
Singapore ³	32	1	0	0.00%
Thailand ¹	644	0	1	0.16%
Vietnam ¹	113	0	6	5.31%
ASEAN Total	877	4	7	0.80%

1. Ministry of Health Republic of Indonesia
2. EBS Bluedot (Accessed on January 8, 2024)
3. Ministry of Health Singapore, accessed January 8, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

Top 5 countries with the most mpox cases globally (Jan. 1 to Jan. 6, 2024)

Country	Cumulative Cases 2023	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
People's Republic of China ¹	2,019	405	1	0.05%
United States of America ¹	1,643	0	35	2.13%
Democratic Republic of Congo ¹	754	0	2	0.27%
Thailand ¹	644	0	1	0.16%
Brazil ¹	456	0	2	0.44%

1. Edouard Mathieu, Fiona Spooner, Saloni Dattani, Hannah Ritchie and Max Roser (2022) - "Mpox (monkeypox)". Published online at OurWorldInData.org. Retrieved from: 'https://ourworldindata.org/monkeypox' [Online Resource]

Mpox cases per region

REGIONS	CUMULATIVE CASES 2023	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS 2023	CFR
AFRICA	910	27	84	9.23%
AMERICAS	3,744	0	136	3.63%
ASEAN	876	3	7	0.80%
ASIA & OCEANIA	2,781	0	1	0.09%
EUROPE	949	0	7	0.29%
TOTAL	9,260	30	235	2.54%



Event Updates for Emerging Diseases

Epidemiological Week 1 | December 31, 2023 – January 6, 2024

Global Updates for Emerging Diseases

COVID-19

- **Bangladesh** reported 18 new COVID-19 cases in the last 24 hours, with a total of 2,046,330 cases (Health Desk, 2024). The country's total fatalities remained unchanged at 29,477, and the number of COVID-19 cases reached 2,046,330. A total of 474 samples were tested, with a positivity rate of 3.80%. The country reported its first case on March 8, 2020, and its first death on March 18. [\[Full article\]](#)

The Directorate General of Health Services (DGHS) reported 21 new COVID-19 cases in January 4, with the infection rate at 0.66% (Star Digital Report, 2024). The total number of confirmed cases increased to 2,046,367 and fatalities to 29,477. The recovery rate reached 98.42%, with 2,013,951 recoveries. The National Technical Advisory Committee (NTAC) suggested authorities take necessary measures, including masks, to prevent the spread of the virus. [\[Full article\]](#)

- **India** has reported 573 new COVID-19 cases in the past 24 hours, with active cases increasing to 4,565 (Mehrotra, 2024). Two new fatalities have been reported, each from Haryana and Karnataka. A total of 197 cases of the COVID-19 sub-variant JN.1 have been detected in the country. The number of daily COVID-19 cases dropped to double digits until December 5 last year, but cases have increased due to the emergence of a new variant and cold weather conditions. The World Health Organisation (WHO) has classified JN.1 as a separate "variant of interest" due to its rapidly increasing spread, but posing a "low" global public health risk. [\[Full article\]](#)

India has also seen a single-day rise in COVID-19 cases and two deaths on January 4, according to the Union Health Ministry. The active caseload slightly dropped from 4,440 to 4,423 and the two deaths were reported from Kerala and Karnataka. The overall death toll reached 533,373. As many as 775 people recovered from COVID-19, bringing the total number of recoveries to 44.4 million. The national recovery rate stood at 98.81%, while the fatality rate was 1.18%. The country has recorded 45 million since the COVID-19 outbreak in January 2020. [\[Full article\]](#)

- **Nepal** is facing an increase in COVID-19 cases due to those returning from India, particularly the new COVID-19 variant JN.1 (Reuters, 2024). The WHO has classified JN.1 as a separate "variant of interest." The Ministry of Health and Population in Nepal has asked the public to return to COVID-19 guidelines, but people have returned to normal activities. Healthcare institutions have cut down on medical workers and test kits, making it difficult to persuade people to give up on their freedoms. [\[Full article\]](#)
- **Pakistan** has reported four cases of the new COVID-19 variant, JN.1, a sub-variant of the BA.2.86 (Abbas, 2024). The Pakistani Ministry of Health confirmed that all affected individuals experienced mild symptoms and have since recovered without complications. The Caretaker Federal Minister for Health is closely monitoring the situation, ensuring border health services and labs are fully operational. The Sindh Health Department has identified two suspected cases and initiated testing 2% of all international travelers for this variant. The National Command and Operation Center plans to perform COVID-19 testing on foreign passengers. [\[Full article\]](#)



- The **United States (US)**: COVID-19 cases in the US are on the rise, with Region Seven being the worst-affected area (Kim, 2024). Hospitals are recommending mask mandates for employees and visitors, but not for the entire health system. Low vaccination rates and a recent spike in cases have raised concerns about the impact of boosters on severity. Health care providers expect cases to increase following Christmas and New Year's Eve. [\[Full article\]](#)

Hospitals in New York, California, Illinois, and Massachusetts have reinstated mask mandates due to an increase in COVID-19, seasonal flu, and other respiratory illnesses (Reuters, 2024). The move comes amid a surge in COVID-19 cases and flu hospitalizations. Mask mandates were controversial during the pandemic, sparking anger among those who bucked medical advice. More than 1.1 million Americans have died from COVID-19. [\[Full article\]](#)

The JN.1 variant, a subvariant of BA.2.86, is now responsible for 61.6% of COVID-19 cases in the US, according to the Centers for Disease Control and Prevention (CDC) (Nugrahani, 2024). The Northeast region has the highest prevalence, accounting for 74.9% of cases. The variant has been listed as a 'variant of interest' by the WHO, but its scale is less serious due to the increasing number of hospitalizations. [\[Full article\]](#)

Regional Updates for Emerging Diseases

COVID-19

- **Cambodia**: The Ministry of Health reported 11 new cases of COVID-19 infection in Cambodia as of January 3, 2024 (Pandaa, 2024). The total number of cases was 139,027, with 135,944 people recovered and three deaths, 11 new cases are caused by Omicron variants and spread through community infection. [\[Full article\]](#)

However, the country also reported zero new COVID-19 cases on Monday of January 8, with a total of 139,039 (Reaseyeam38, 2024). No deaths were reported, with 3,056 fatalities. Over 135,956 patients have recovered nationwide. Over 15.3 million doses of COVID-19 vaccines have been administered, with over 10 million shots for people aged 18 and above. The country is accelerating the inoculation of the sixth dose among citizens. [\[Full article\]](#)

- **Indonesia's** Health Ministry has announced that COVID-19 vaccines will be free for two vulnerable groups starting January 1, 2024 (Bhwana, 2024). The first group includes elderly people who have not received the first injection of the vaccine, while the second group includes elderly people who have just received the first jab. The free vaccination program is also available to pregnant women, those aged 12 or above, and immunocompromised individuals. Residents with moderate or highly weakened immune systems are also eligible. The Jakarta Health Office has reported 517 active COVID-19 cases as of December 28, 2023, with 300 residents undergoing self-isolation and 217 hospitalized. [\[Full article\]](#)

Six residents of Pasuruan District are suspected of being exposed to a new variant of COVID-19, like ordinary influenza (Arifin, 2024). The Director of Bangil Hospital stated that five of the six patients have been allowed to go home, while one patient still needs hospital treatment. He emphasized that health services are provided proportionally, including a special isolation room for COVID-19 patients and those with certain diseases. [\[Full article\]](#)

North Kalimantan Province Health Office reported 44 COVID-19 cases in the region, with eight deaths (Kaltara, 2024). The remaining 21 cases are under treatment, with eight dying, seven recovering, and eight self-isolating. The North Kalimantan Province Health



Office has appealed to district and city health offices to follow up on positive infected residents, implement health protocols, and complete vaccines. However, the vaccine is still effective in providing protection against the virus. [\[Full article\]](#)

- **Malaysia** experienced a quadruple increase in COVID-19 deaths, reaching nearly four a day, during a short epidemic wave that has begun to decline (CodeBlue, 2024). The virus has been affecting the country since last June 2023, with confirmed cases, hospital admissions, and deaths rising since November 2023. However, the epidemic seems to be abating, with infections dropping since last Christmas Eve. [\[Full article\]](#)
- **Philippines:** In December 2023, the number of new COVID-19 infections in the Philippines nearly doubled, reaching 5,284 cases, a 90% increase from the previous month (GMA Integrated News, 2024). The increase is attributed to the relaxed implementation of health protocols during the holiday season, with daily cases averaging 170. [\[Full article\]](#)

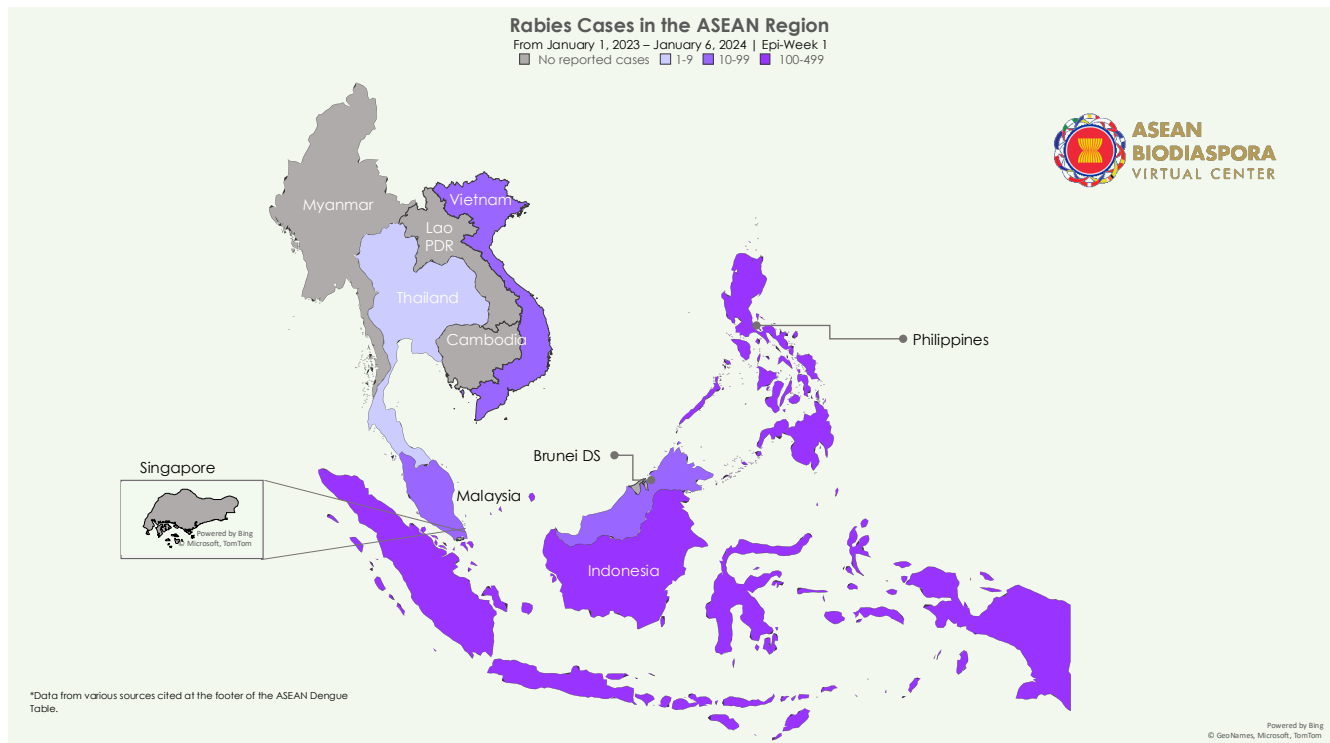
The number of COVID-19 virus cases in Capiz Kun is 26, with no new cases (Capiz, B.R. 2024). The total cases are 13,993, with 13,369 recovered and 598 deaths. The Philippine Health Office urges public to follow health protocols, especially during holiday season. [\[Full article\]](#)

- **Thailand** is experiencing a surge in COVID-19 cases, with hospitalizations up 7% after the New Year holiday (Vna, 2024). The number of people reporting respiratory problems also increased by 6.2%, the largest increase in four months. The number of COVID-19 patients requiring breathing assistance rose 13.8%. New cases are expected to remain around 4,243-5,893 per day this week. [\[Full article\]](#)

ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1, 2023, to January 6, 2024 (Epi-Week 1)



Rabies cases in the ASEAN region

Country	Epi-Week Reported (2023)	Cumulative Rabies Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Brunei Darussalam			Rabies-free country		
Cambodia	-	-	-	-	-
Indonesia¹	Week 52	118	1	118	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 51	19	0	19	100%
Myanmar	-	-	-	-	-
Philippines³	Week 48	368	0	368	100%
Singapore			Rabies-free country		
Thailand⁴	Week 49	6	0	6	100%
Vietnam²	Week 40	64	0	64	100%
Total		575	1	575	100%

1. Ministry of Health, Republic of Indonesia
2. BlueDot Developer Portal, accessed January 8, 2024, <https://developer-portal.bluedot.global/>.
3. Department of Health Website, accessed January 8, 2024 "Statistics," <https://doh.gov.ph/statistics>.
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed January 8, 2024, <http://doe.moph.go.th/surdata/index.php>

- The **ASEAN** region reported **one** new rabies cases in Indonesia since the previous report. The region reported **575** total cases and **575** total deaths since 2023 with **100%** CFR.



Event Updates for Zoonosis

Epidemiological Week 1 | December 31, 2023 – January 6, 2024

Global Updates for Zoonosis

Avian Influenza

- **South Korea:** The South Korean government confirmed an additional case of highly pathogenic avian influenza at a poultry farm, bringing the total number of cases to 27 (Kyong-ae, 2024). The farm, raising 239,000 chickens, was cordoned off and quarantine measures were implemented. Health authorities issued a standstill order for 24 hours. [\[Full article\]](#)

Rabies

- **India:** From 2018 to 2023, 15 people in Salem district have died due to rabies, with most of the deaths being caused by dog bites (Sabari, 2024). The majority of these cases were caused by pet dogs, with the remaining bites from stray dogs. The Salem government Mohan Kumaramangalam Medical College Hospital treated 10,900 dog bite cases in 2023. The street dog population in the district increased during the COVID-19 pandemic. Councilors in Salem Corporation demanded measures to control the dog population, and animal birth control centers were proposed to be established in all four zones. The city health officer also suggested opening two more animal birth control (ABC) centers in the remaining two zones. [\[Full article\]](#)

Regional Updates for Zoonosis

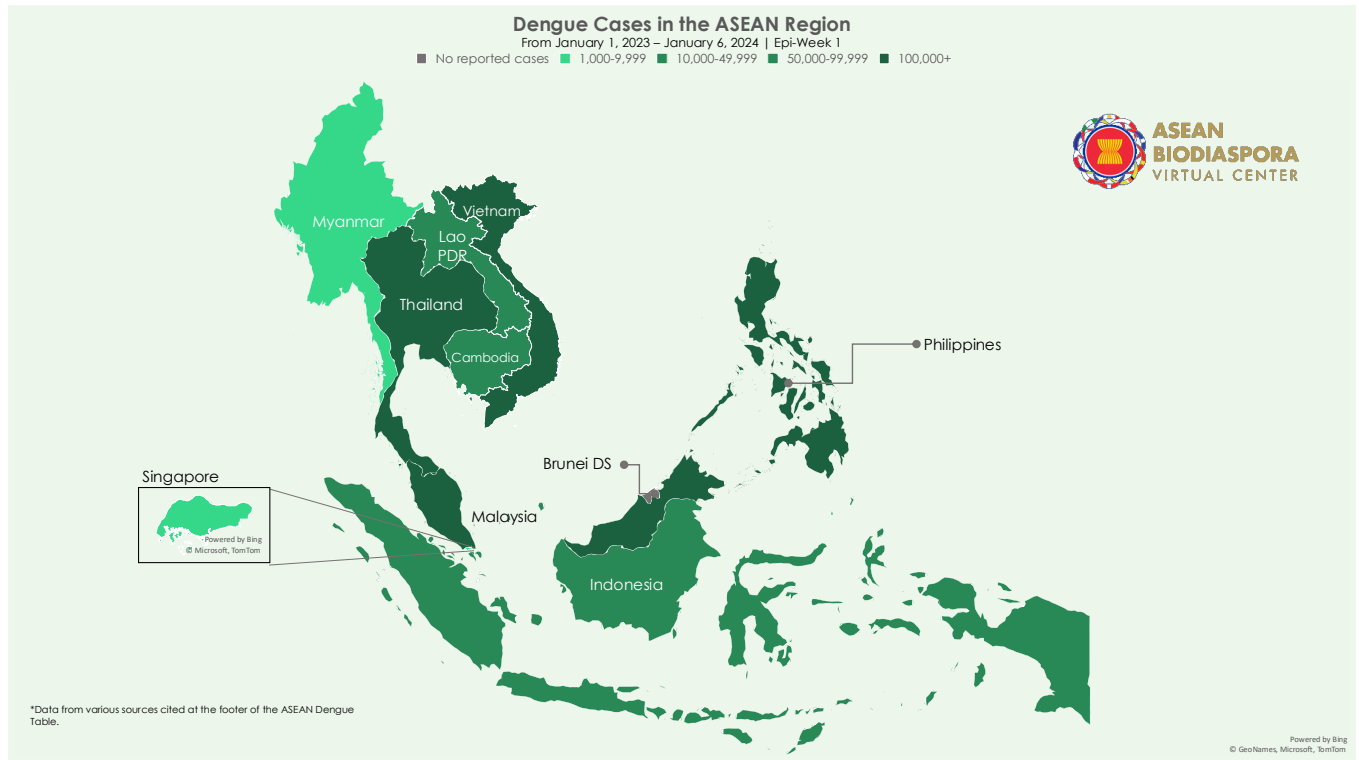
Rabies

- **Indonesia:** A child in Tallunglipu, North Toraja District, died at Lakipadada Makale Regional Hospital, Tana Toraja, January 3, 2024 (Alifitri Nabila, 2024). This seven-year-old child died allegedly due to rabies. Before he died, he was bitten by his pet. [\[Full article\]](#)

VECTOR-BORNE DISEASES

Dengue Cases in the ASEAN Region

From January 1, 2023, to January 6, 2024 (Epi-Week 1)



Dengue cases in the ASEAN region

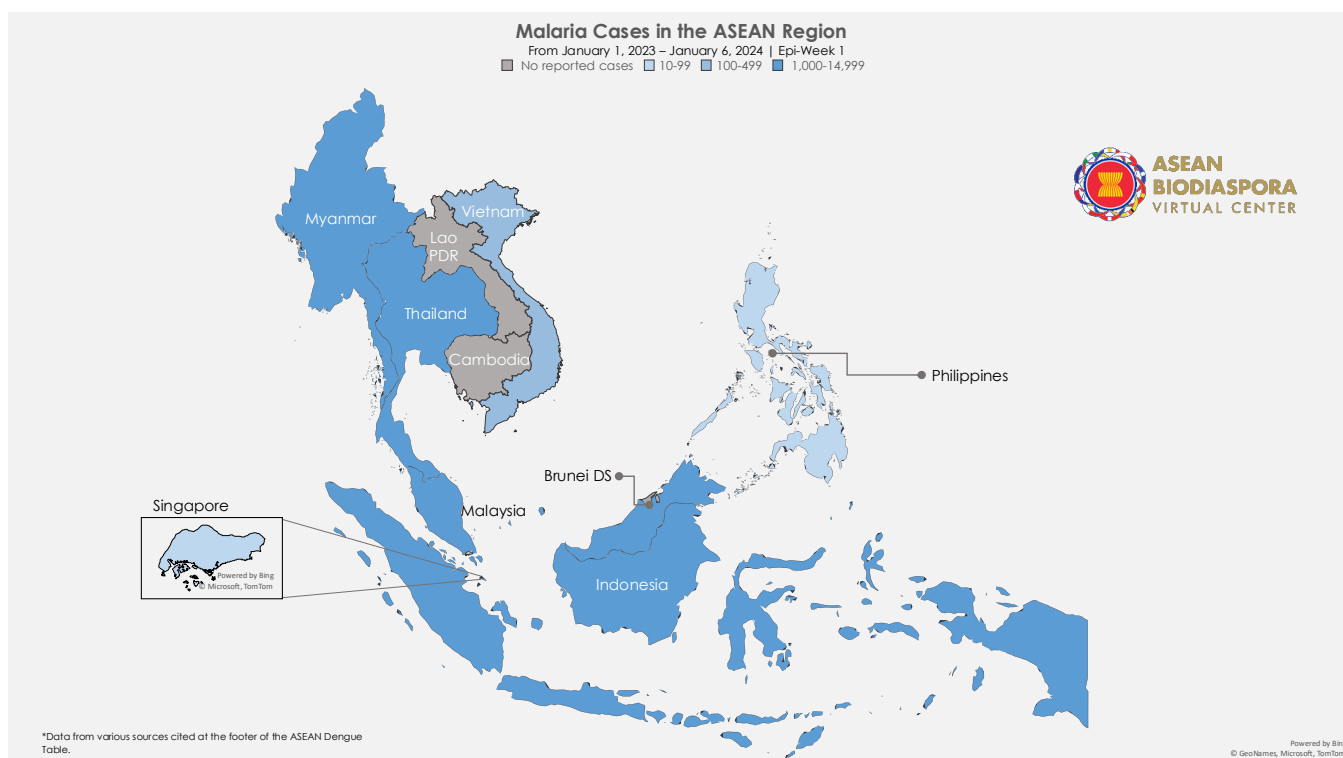
Country	Epi-Week Reported (2023)	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-
Cambodia¹	Week 47	31,567	3,659	39	0	0.12%
Indonesia²	Week 52	98,071	5,810	764	65	0.78%
Lao PDR¹	Week 51	31,997	736	20	0	0.06%
Malaysia³	Week 52	123,133	2,064	100	26	0.07%
Myanmar⁴	Week 28	6,685	0	30	0	0.45%
Philippines⁵	Week 48	195,603	0	657	0	0.34%
Singapore⁶	Week 52	9,939	275	-	0	0.00%
Thailand⁷	Week 52	156,097	5,289	167	2	0.11%
Vietnam¹	Week 50	166,619	17,062	42	6	0.03%
Total		819,711	34,892	1,819	99	0.22%

1. WHO WPRO, "Dengue," World Health Organization, accessed January 8, 2024, <https://www.who.int/westpacific/emergencies/surveillance/dengue>.
 2. Ministry of Health, Republic of Indonesia
 3. Disease Control Division, Ministry of Health Malaysia, accessed January 8, 2024. iDengue, <https://idengue.mysa.gov.my/did/> & https://www.moh.gov.my/index.php/database_stores/store_view/17
 4. BlueDot Developer Portal, accessed January 8, 2024, <https://developer-portal.bluedot.global/>
 5. Department of Health Website, accessed January 8, 2024 "Statistics," <https://doh.gov.ph/statistics>.
 6. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed January 8, 2024. <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>
 7. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed January 8, 2024, <http://doe.moph.go.th/surdata/index.php>
 *Data were updated and collected from official sources, which may have a 2-8 weeks delay in reporting. Data must be interpreted cautiously.

- The **ASEAN** region reported **34,892** new dengue cases in Cambodia, Lao PDR, Malaysia, Singapore, Thailand, and Vietnam – **99** Deaths. The region reported **819,711** total cases and **1,819** total deaths since 2023 with **0.22%** CFR.

Malaria Cases in the ASEAN Region

From January 1, 2023, to January 6, 2024 (Epi-Week 1)



Malaria cases in the ASEAN region

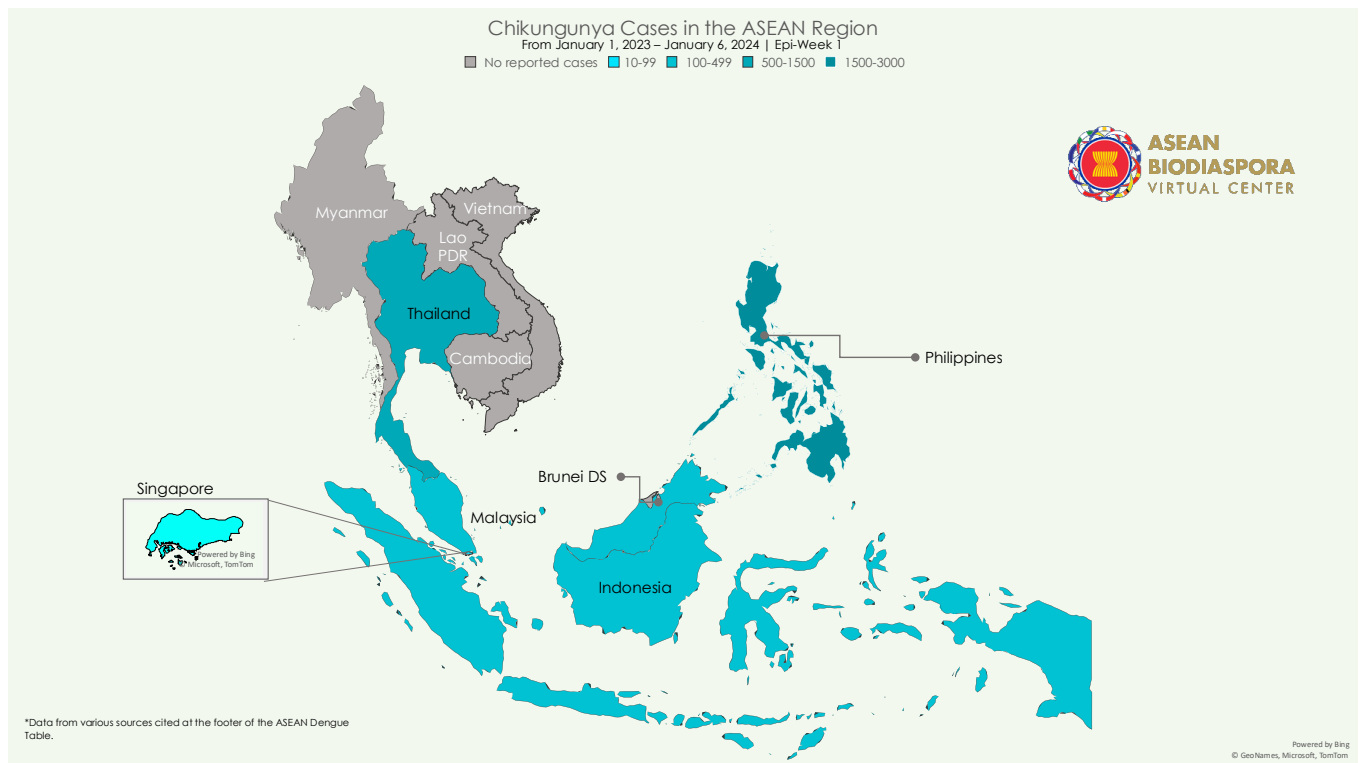
Country	Epi-Week Reported (2023)	Cumulative Malaria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 44	1,899	0	0	0.00%
Lao PDR	-	-	-	-	-
Malaysia ¹	Week 45	1,116	0	0	0.00%
Myanmar ¹	Week 23	4,510	0	0	0.00%
Philippines ¹	Week 28	31	0	0	0.00%
Singapore ³	Week 52	23	0	0	0.00%
Thailand ²	Week 52	5,023	74	4	0.08%
Vietnam ¹	Week 42	349	0	0	0.00%
Total		12,951	74	4	0.03%

1. BlueDot Developer Portal, accessed January 8, 2024, <https://developer-portal.bluedot.global/>.
 2. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed January 8, 2024, <http://doe.moph.go.th/surdata/index.php>
 3. Ministry of Health Singapore, accessed January 8, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The **ASEAN** region reported **74** new malaria case in Thailand since the previous report. The region reported **12,951** total cases and **four** total deaths from January 1, 2023 to January 6, 2024 with **0.03%** CFR.

Chikungunya Cases in the ASEAN Region

From January 1, 2023, to January 6, 2024 (Epi-Week 1)



Chikungunya cases in the ASEAN region

Country	Epi-Week Reported (2023)	Cumulative Chikungunya Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-
Indonesia ¹	Week 51	468	0	0	-	0.00%
Lao PDR	-	-	-	-	-	-
Malaysia ²	Week 50	197	4	0	-	0.00%
Myanmar	-	-	-	-	-	-
Philippines ³	Week 48	2,889	0	0	-	0.00%
Singapore ⁴	Week 46	13	0	0	-	0.00%
Thailand ⁵	Week 52	1,389	46	0	-	0.00%
Vietnam	-	-	-	-	-	-
Total		4,959	50	0		0.00%

1. BlueDot Developer Portal, accessed January 8, 2024, <https://developer-portal.bluedot.global/>
2. Portal Rasmi, Ministry of Health Malaysia, accessed January 8, 2024, https://www.moh.gov.my/index.php/database_stores/store_view/17
3. Department of Health Website, accessed January 8, 2024 "Statistics," <https://doh.gov.ph/statistics>.
4. Ministry of Health Singapore, accessed January 8, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>
5. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed January 8, 2024, <http://doe.moph.go.th/surdata/index.php>

- The **ASEAN** region reported **50** new cases of chikungunya in Malaysia and Thailand. As of the present, the total number of reported cases in the region is **4,959**, with no reported deaths since 2023. The Case Fatality Rate (CFR) remains at **0.00%**.



Event Updates for Vector-borne Diseases

Epidemiological Week 1 | December 31, 2023 – January 6, 2024

Global Updates for Vector-borne Diseases

Dengue

- **Bangladesh** has recorded 378 new cases of dengue fever in a day, marking the worst outbreak in the country's history (Desk, 2024). The death toll remains unchanged, with no fatalities reported. Experts attribute the outbreak to a prolonged monsoon, rising temperatures, and a lack of effective measures to kill the *Aedes aegypti* mosquito. [\[Full article\]](#)

Dengue continues to spread, with another fatality reported in the past 24 hours. 60 more patients were hospitalized, with 13 in Dhaka (UNB, 2024). Since January 1, 145 cases have been reported. Last year, 1,705 people lost their lives to dengue, making it the deadliest year on record. [\[Full article\]](#)

- **Pakistan:** Health Secretary reported three dengue cases in Punjab during the first three days of the new year, with three from Lahore and a new one in January 4 (Desk, 2024). Currently, 10 patients are under treatment in Punjab hospitals, with four in Lahore. [\[Full article\]](#)
- **Sri Lanka:** In December 2023, the highest number of dengue cases was 11,498, with 87,986 recorded, with the highest in Colombo District (Fernandopulle, 2024). The Western Province had the highest number of cases, with 39,784 cases. Director of the National Dengue Control Unit, expressed concern over the daily average of over 250 cases and urged to proactively ensure cleanliness in their surroundings, eliminating potential mosquito breeding sites to effectively counter the spread of dengue. [\[Full article\]](#)

Regional Updates for Vector-borne Diseases

Dengue

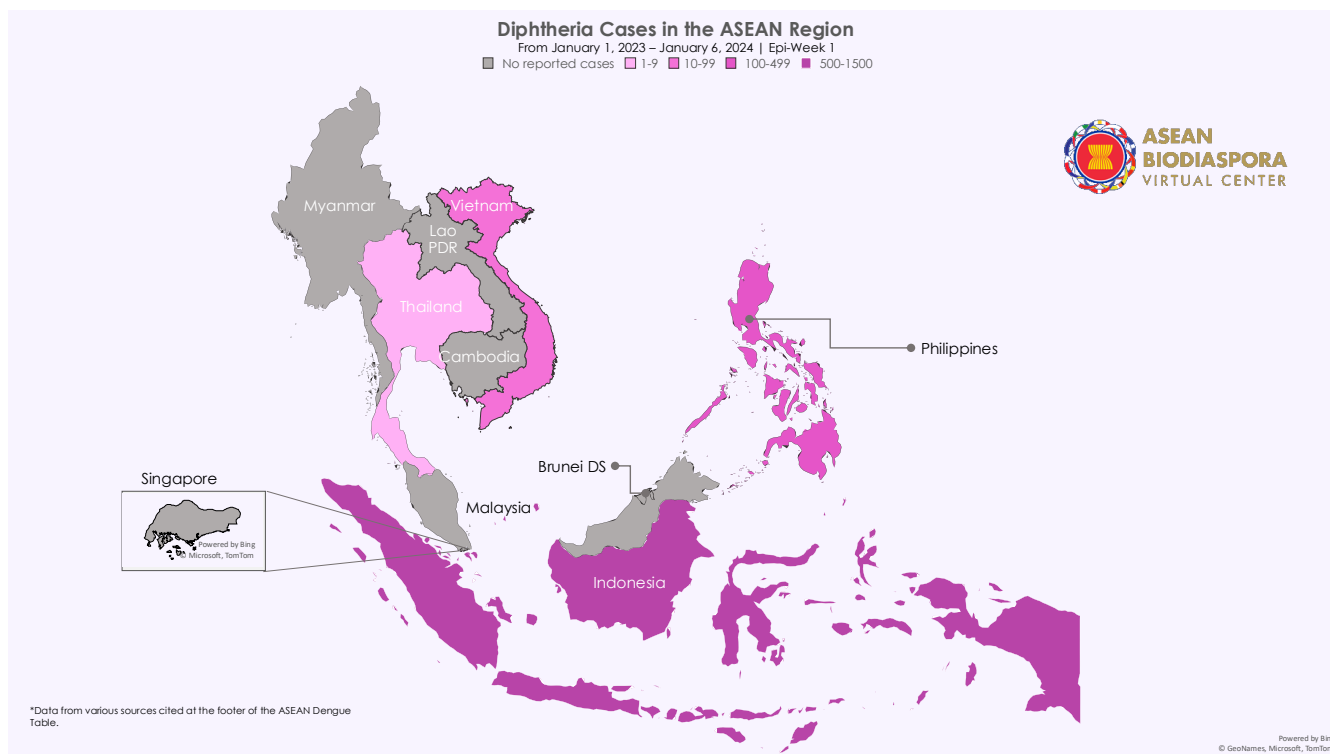
- **Indonesia:** Dengue Hemorrhagic Fever (DHF) cases in Lebak District reached 760 in 2023, with four deaths (Nurandi, 2024). The Lebak District Health Office's Head of Infectious Disease Prevention and Control emphasized the importance of following guidelines such as closing water reservoirs, draining bathtubs, and burying used items. He also advised avoiding mosquito bites with anti-mosquito lotion and long-sleeved clothes. The Lebak District Government will continue to implement prevention measures and promote a clean and healthy lifestyle to prevent DHF transmission. [\[Full article\]](#)
- **Malaysia:** In 2023, Kelantan reported 2,790 dengue cases, a 127.4% increase from 1,227 in 2022 (Online, 2024). However, the number of dengue-related deaths decreased to two from four in the previous year. Dengue cases were lower than during the COVID-19 pandemic, with 3,874 in 2020 and 6,003 in 2019. The State Health Department has implemented control and prevention activities, including premises inspection, fog spraying, and health education. The department urges the public to work together to curb dengue in the state. [\[Full article\]](#)

Dengue fever in Johor increased by 28% during the 52nd Epidemic Week for last year, ending yesterday (Tan, 2024). The highest number of cases was reported in Johor Baru, followed by Kulai and Kluang. The state has 29 new outbreak localities reported in the last week, with no deaths reported. [\[Full article\]](#)

VACCINE-PREVENTABLE DISEASES

Diphtheria Cases in the ASEAN Region

From January 1, 2023, to January 6, 2024 (Epi-Week 1)



Diphtheria cases in the ASEAN region

Country	Epi-Week Reported (2023)	Cumulative Diphtheria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 52	905	105	56	6.19%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 48	198	0	50	25.25%
Singapore ³	-	0	0	0	0.00%
Thailand ⁴	Week 52	6	1	0	0.00%
Vietnam ⁵	Week 38	41	0	3	7.32%
Total		1,150	106	109	9.49%

1. Ministry of Health, Republic of Indonesia.
2. Department of Health Website, accessed January 8, 2024 "Statistics," <https://doh.gov.ph/statistics>.
3. Ministry of Health Singapore, accessed January 8, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed January 8, 2024, <http://doe.moph.go.th/surdata/index.php>
5. BlueDot Developer Portal, accessed January 8, 2024, <https://developer-portal.bluedot.global/>

- The ASEAN region reported **106** diphtheria cases in **Thailand** since the previous report. The region reported **1,150** total cases and **109** total deaths in 2023 with **9.49%** CFR.

Measles Cases in the ASEAN Region

From January 1 to December 30, 2023 (Epi-Week 52)



Measles cases in the ASEAN region

Country	Epi-Week Reported (2023)	Cumulative Measles Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 49	9,120	0	11	0.12%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 48	2,576	0	16	0.62%
Singapore ³	Week 52	8	1	0	0.00%
Thailand ⁴	Week 52	345	8	0	0.00%
Vietnam	-	-	-	-	-
Total		12,049	9	27	0.22%

1. Ministry of Health, Republic of Indonesia
2. Department of Health Website, accessed January 2, 2024 "Statistics," <https://doh.gov.ph/statistics>.
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed January 2, 2024, <http://doe.moph.go.th/surdata/index.php>
4. Ministry of Health Singapore, accessed January 2, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The **ASEAN** region reported **nine** new measles cases in the Philippines and Singapore and Thailand since the previous report. The region reported **12,049** total cases and **27** total deaths in 2023 with **0.22%** CFR.



Event Updates for Vaccine-Preventable Diseases

Epidemiological Week 1 | December 31, 2023 – January 6, 2024

Global Updates for Vaccine-Preventable Diseases

Measles

- **Ukraine:** Two laboratory-confirmed cases of measles among children aged three and eight years in Odesa have been reported (Krystyna, 2024). The Odesa Regional Center for Disease Control and Prevention reported that about 25 million people in Ukraine are not vaccinated, which is dangerous as it guarantees protection against serious diseases, protects those who cannot be vaccinated due to medical reasons, and helps stop the spread of infectious diseases. Since July, 18,678 children and adolescents have been vaccinated against measles in the Odesa region as part of a catch-up campaign. [\[Full article\]](#)
- The **United States (US):** Philadelphia health officials have confirmed four measles cases, with two additional cases under investigation (Gutman, 2024). The outbreak began with an infant hospitalized at Children's Hospital and has spread to three unvaccinated residents. The city is contacting those potentially exposed to measles at Jefferson Health building, Multicultural Education Station Day Care, and CHOP emergency department. [\[Full article\]](#)
- **Russia:** Measles is an acute infectious disease spread through airborne droplets, causing serious complications like pneumonia, nasopharynx, and otitis media to death (Хоменко and Ярошенко, 2024). Symptoms include acute weakness, lack of appetite, dry cough, conjunctivitis, and elevated body temperature. In the Amur Region, hospitals and clinics have the necessary vaccine and immunoglobulin supply, and the drug began being imported in May 2023 for immunization. Vaccinations are given to unvaccinated residents and those without vaccinations. [\[Full article\]](#)

Pertussis

- **Israel** is facing a health crisis due to the whooping cough epidemic, with a 7,000% increase in reported cases (Ahmad, 2024). The disease, which causes an annoying and painful cough lasting up to four months, mainly affects one-day-old children, who may suffocate and suffer from respiratory failure. A 10-week-old baby died of whooping cough. The disease is considered one of the ten most deadly diseases in the world and is particularly dangerous for children up to six months old. The Ministry of Health confirmed that the real number of infected people is much higher, as most are not sent for a whooping cough test or see a doctor. The increase in infections is attributed to the refusal of ultra-Orthodox Jews to receive vaccinations, which causes them to become infected and transmit the disease. The Ministry also noted that the bacteria's violence has increased in recent years, requiring adaptation to the vaccine. [\[Full article\]](#)

Regional Updates for Vaccine-Preventable Diseases

Polio

- **Indonesia:** Acute flaccid paralysis cases have been confirmed in Klaten District, Central Java, and Pamekasan District, East Java, with VDPV2 found in environmental samples in Bangkalan District, East Java (Arlinta, 2024). At least three children have been reported to have suffered from the virus, with one child in Central Java having complete immunization but suffering from malnutrition. [\[Full article\]](#)



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