



**ASEAN
BIOLOGICAL THREATS
SURVEILLANCE CENTRE**

Morbidity and Mortality Weekly Report (MMWR)

Infectious & Emerging Diseases
in the ASEAN Region

With Support by:



Korea Disease Control and
Prevention Agency



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ASSOCIATION
OF SOUTHEAST
ASIAN NATIONS

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

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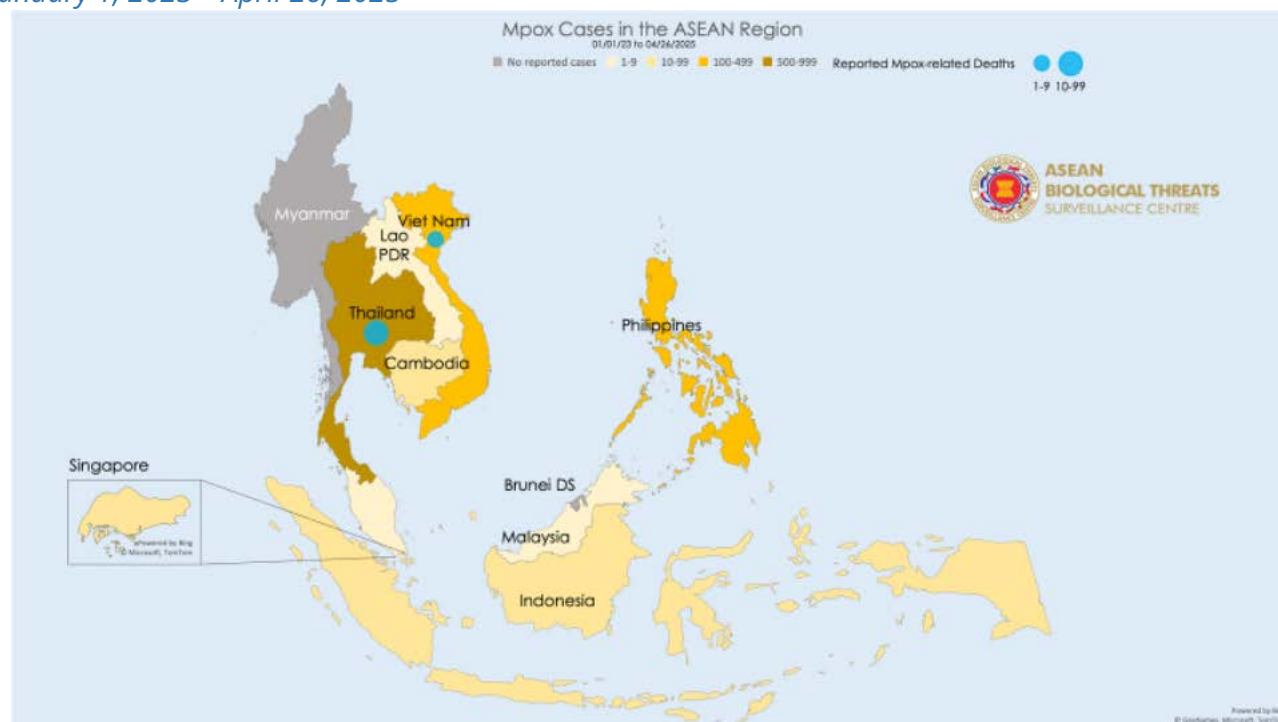
Emerging Diseases

A person wearing a full-body white protective suit, a hood, and a face mask with a filter. They are also wearing black gloves. The person is holding a small, dark object in their gloved hand. The background is blurred, suggesting an indoor setting.

MPOX

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – April 26, 2025



Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed April 29, 2025, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

Key Findings

- From 1 January 2023 to 26 April 2025, **51,391** confirmed cases worldwide since 2023, including **270** deaths. Globally, the CFR was **0.53 %**.
- **1,354 confirmed cases** including **26 deaths** in the **ASEAN** region, with a CFR of **1.92%**.
- **50,037 confirmed cases** of mpox have been reported in **other regions** (other than the **ASEAN** region):

Mpox cases in the ASEAN region (Jan. 1, 2023 to Apr. 26, 2025)

ASEAN Member States	Cumulative Cases 2023-2025	New Cases Since Previous Report	Cumulative Deaths 2023-2025	CFR
Cambodia¹	20	0	0	0.00%
Indonesia²	87	0	0	0.00%
Lao PDR³	1	0	0	0.00%
Malaysia³	15	0	0	0.00%
Philippines³	104	0	4	3.85%
Singapore⁴	54	1	0	0.00%
Thailand³	864	0	13	1.50%
Vietnam³	209	0	9	4.31%
ASEAN Total	1,354	1	26	1.92%

Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia
3. WHO Mpox Outbreak: Global Trends, accessed April 29, 2025 (https://worldhealthorg.shinyapps.io/mpox_global/)
4. Ministry of Health Singapore, accessed April 29, 2025 (<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, 2023 to Apr. 26, 2025)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Democratic Republic of Congo	17,814	199	51	0.29%
Uganda	5,386	502	40	0.74%
United States of America	4,638	0	10	0.22%
Brazil	3,257	0	2	0.06%
People's Republic of China	2,906	2	1	0.03%

Source: Our World in Data, accessed on April 29, 2025 (<https://ourworldindata.org/monkeypox>)

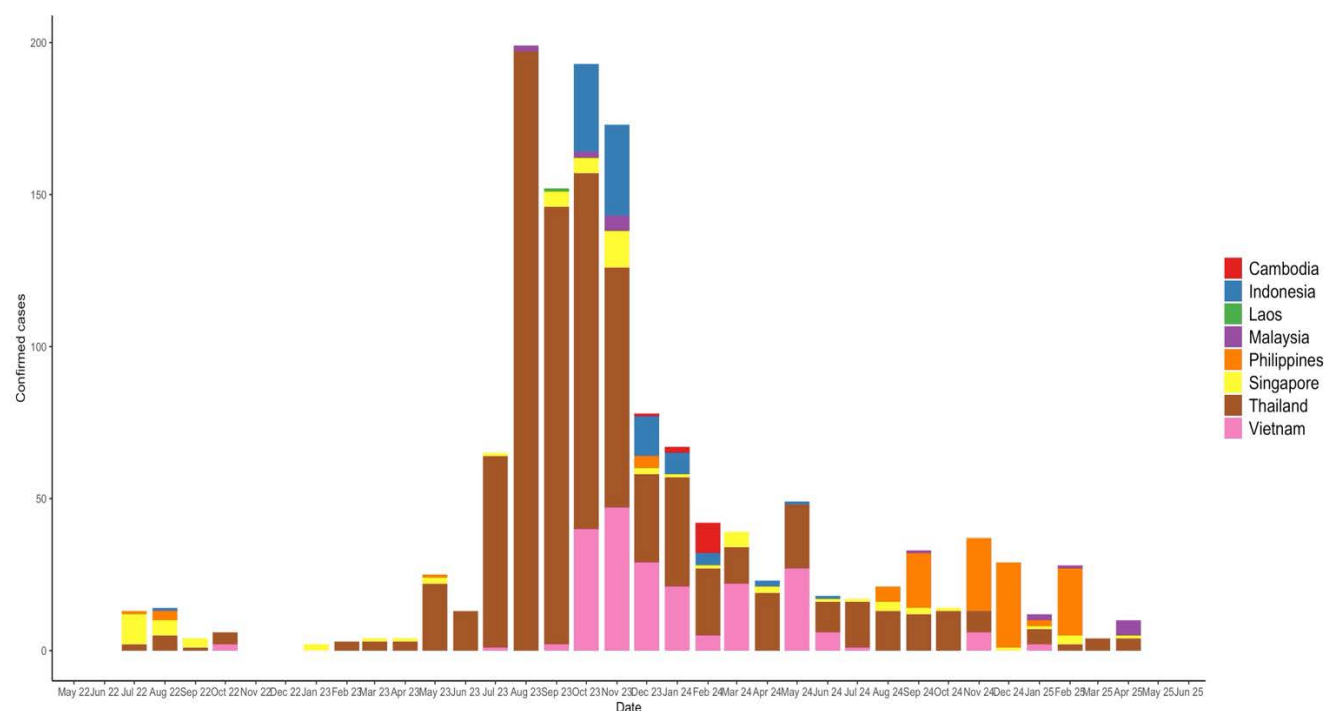
Mpox cases per region (Jan. 1, 2023 to Apr. 26, 2025)

REGIONS	CUMULATIVE CASES 2023-2025	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	28,801	701	111	0.39%
AMERICAS	10,933	0	99	0.91%
ASEAN	1,354	1	26	1.92%
ASIA & OCEANIA	7,228	2	30	0.42%
EUROPE	3,778	0	4	0.11%
TOTAL	52,094	704	270	0.52%

Source: Our World in Data, accessed on April 29, 2025 (<https://ourworldindata.org/monkeypox>)

Trend of Mpox Confirmed Cases in the ASEAN Region

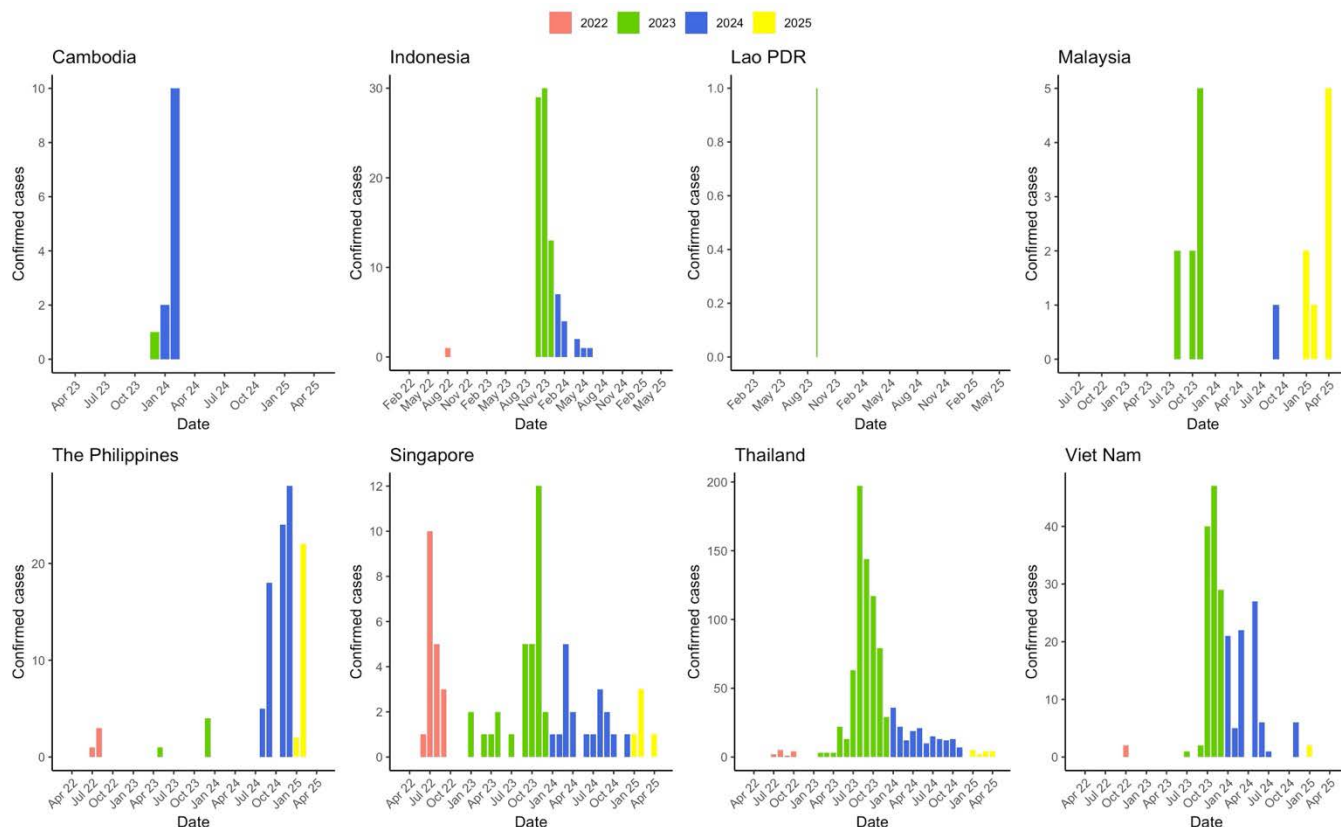
January 1, 2022 to April 26, 2025



Source: Our World in Data, accessed on April 29, 2025 (<https://ourworldindata.org/monkeypox>)

Trend of Mpox Confirmed Cases among ASEAN Member States

January 1, 2022 to April 26, 2025

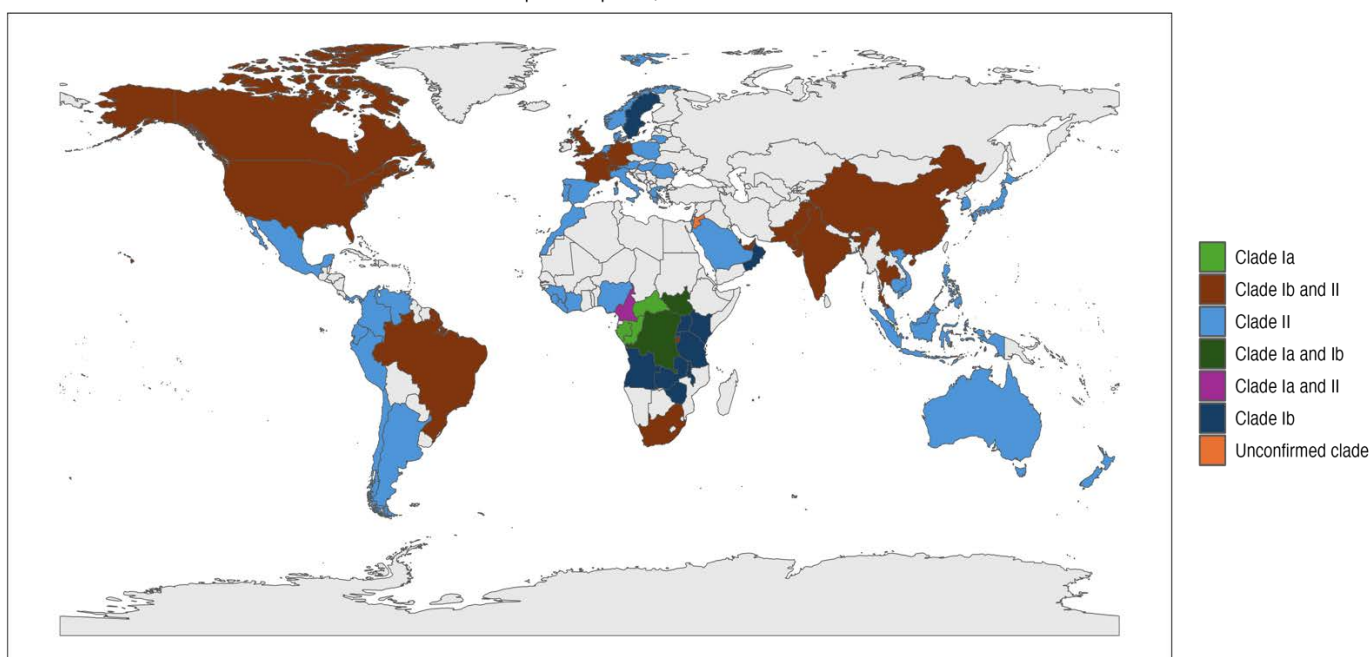


Source: Our World in Data, accessed on April 29, 2025 (<https://ourworldindata.org/monkeypox>)

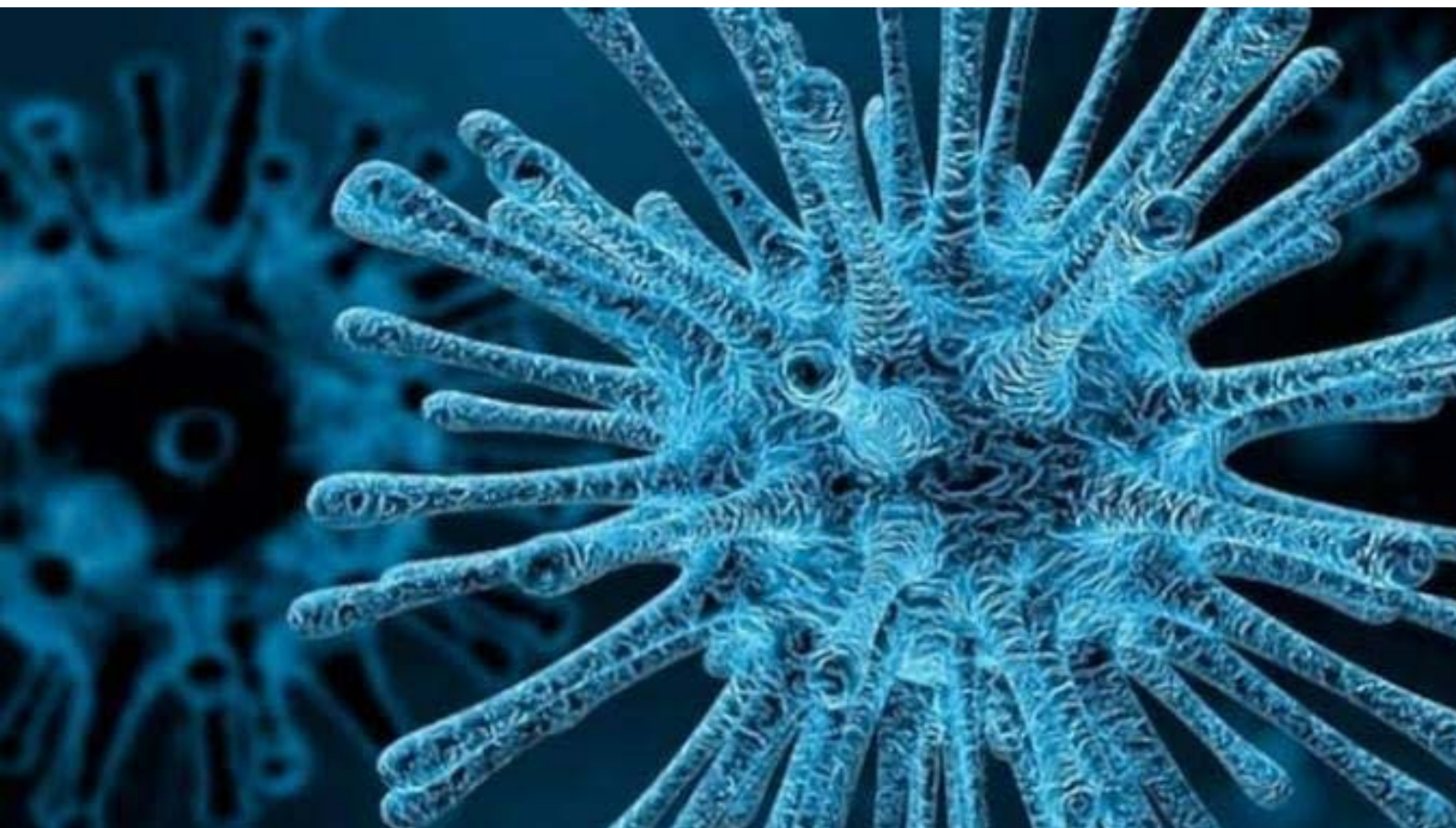
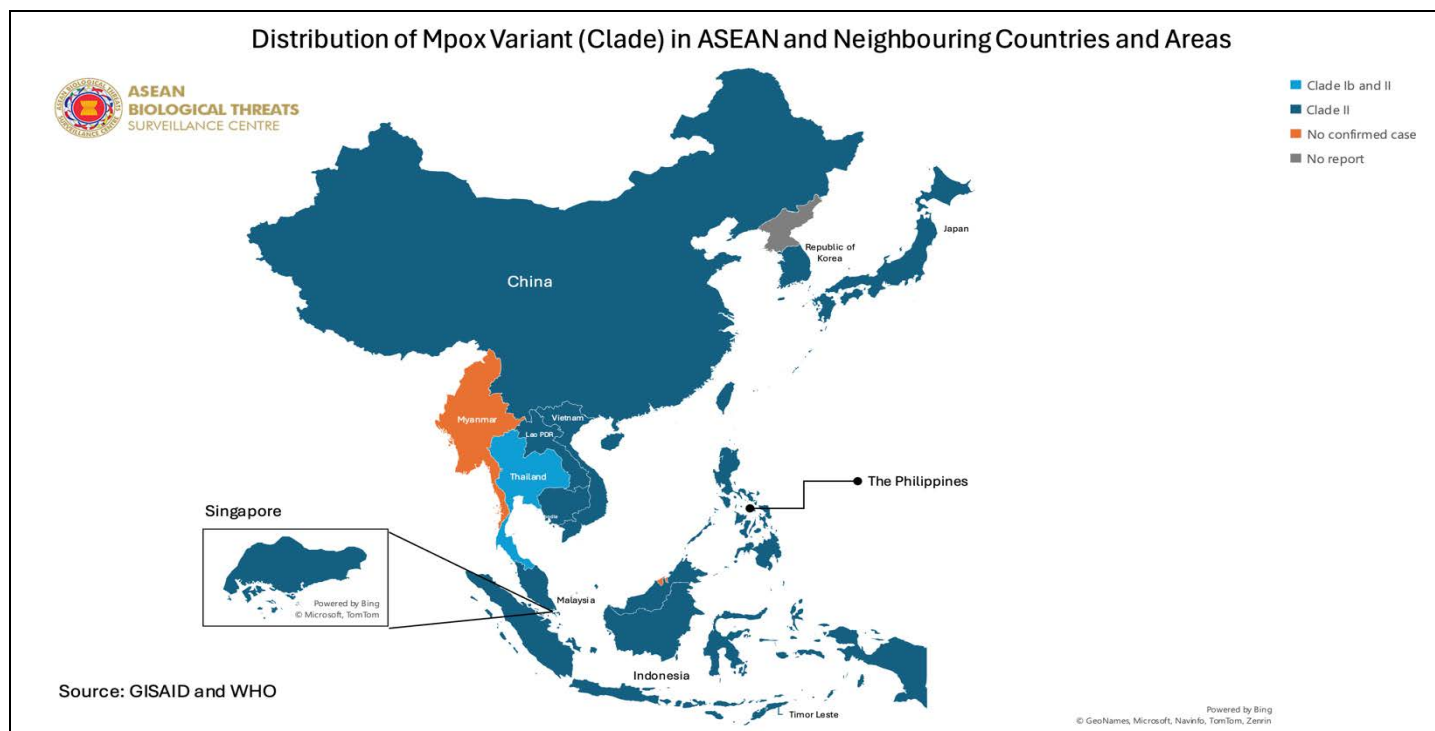
Distribution of Mpox Variants in The Global

As of April 26, 2025

Distribution of Mpox Variant (Clade) in The Global



Distribution of Mpox Variants in the ASEAN and Neighbouring Countries and Areas As of April 26, 2025



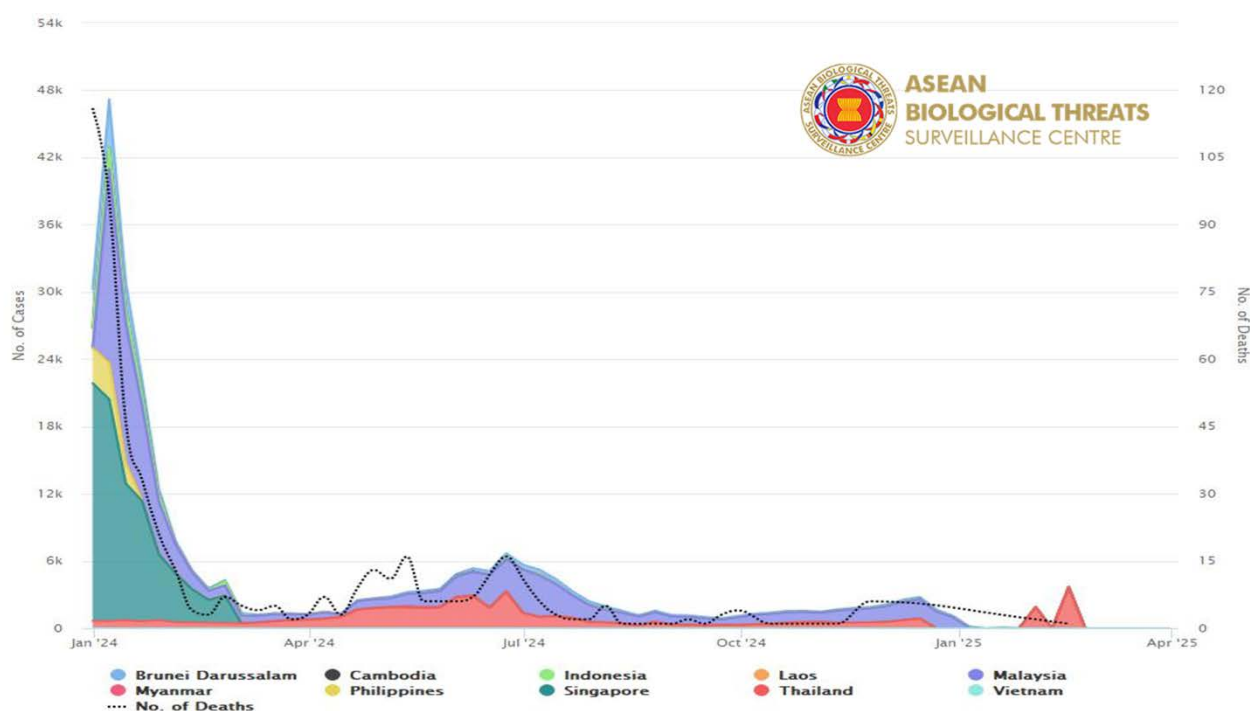
COVID-19

Key Findings

- As of 26 April 2025 (5PM, GMT+7), there were **704,889,015** confirmed cases **worldwide**, including **7,010,840 deaths**. Globally, the Case Fatality Rate (CFR) was **1.00%**.
- 37,133,427 total confirmed cases** of COVID-19 have been reported in the **ASEAN Region**.
- The CFR in the **ASEAN Region** was **1.00%**.

ASEAN Weekly COVID-19 Cases and Deaths

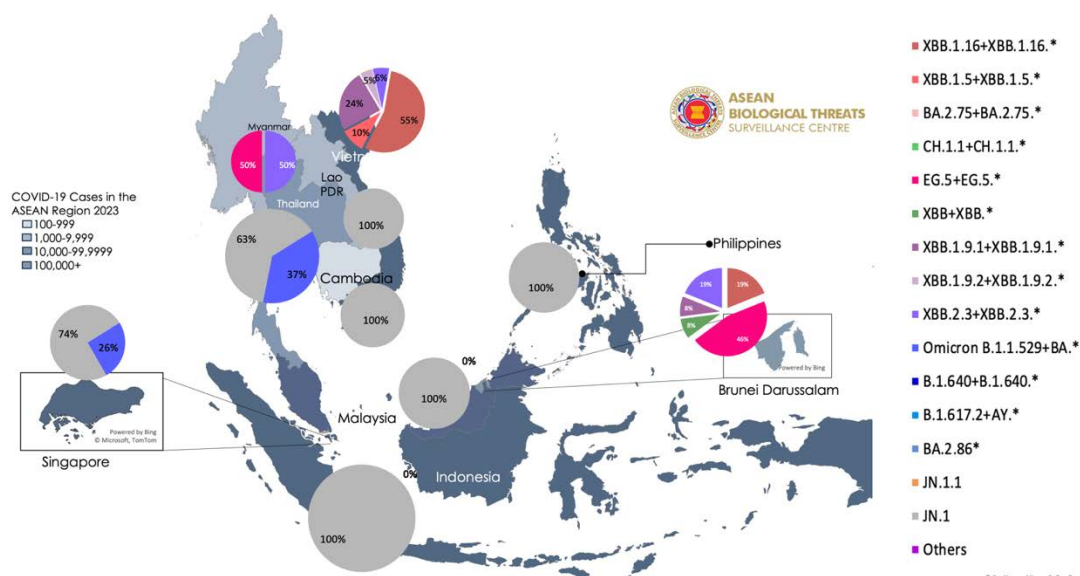
From January 1, 2024 to April 26, 2025



Source: [Singapore Government and the WHO](#), accessed on April 29, 2025

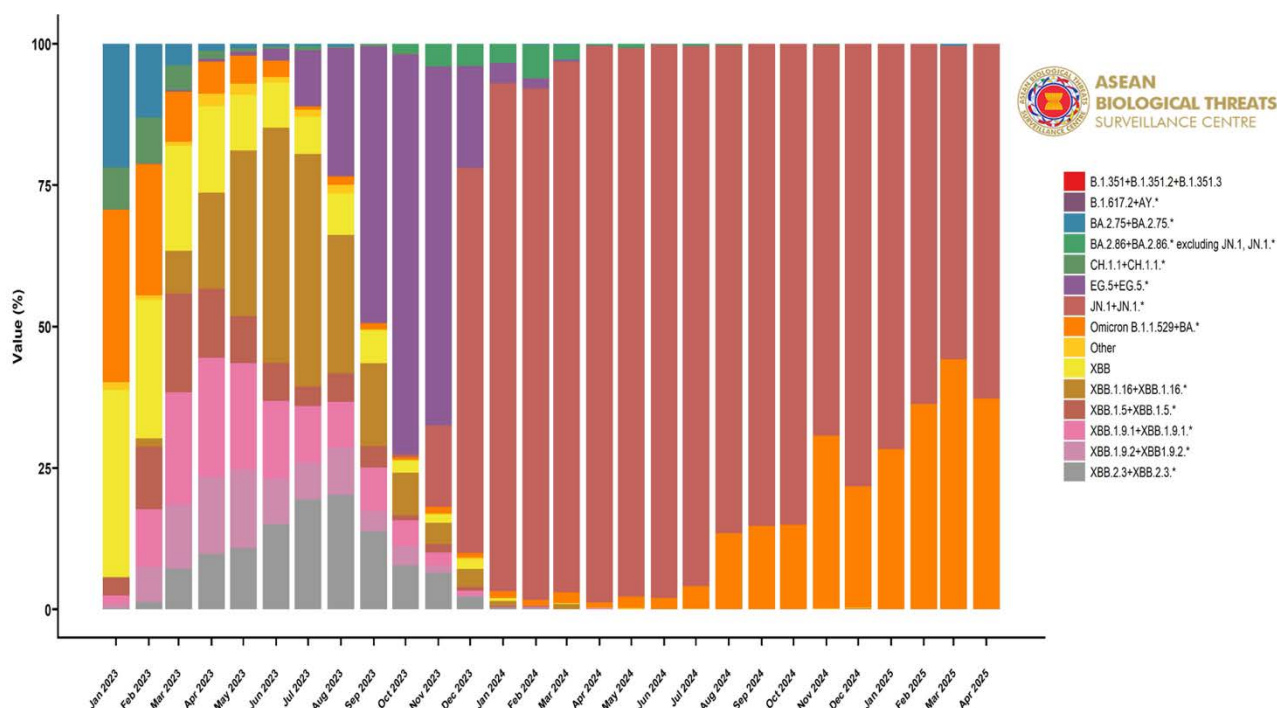
COVID-19 Variants Frequencies Among the ASEAN Member States

In April 2025



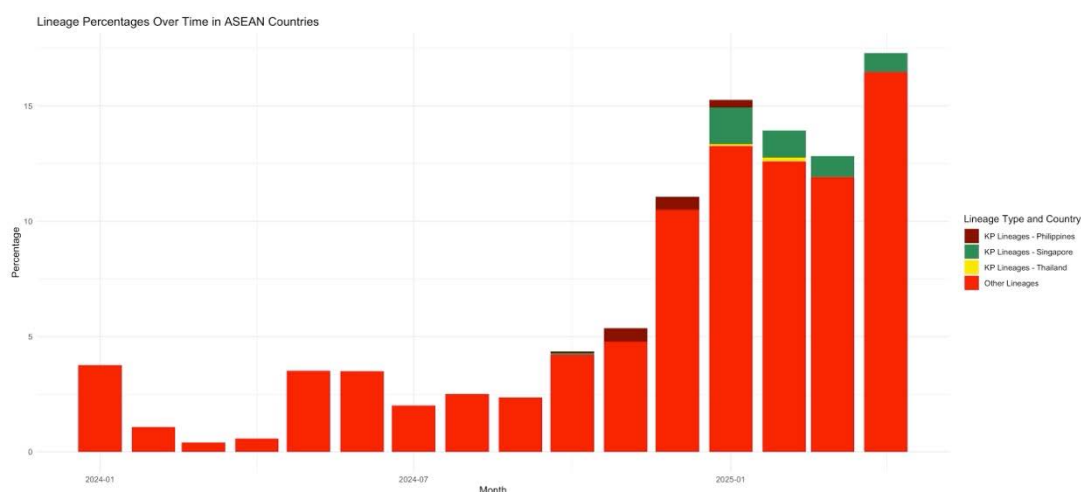
Source: GISAID. "hCoV-19 Variants Dashboard," accessed April 29, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

COVID-19 Variants Frequencies in the ASEAN Region From January 2023 to April 2025



Source: GISAID. "hCoV-19 Variants Dashboard," accessed April 29, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

COVID-19 "KP" Sub-Variant detected in the ASEAN region From January 2024 to April 2025



Source: GISAID. "hCoV-19 Variants Dashboard," accessed on April 29, 2025 (<https://gisaid.org/hcov-19-variants-dashboard/>)

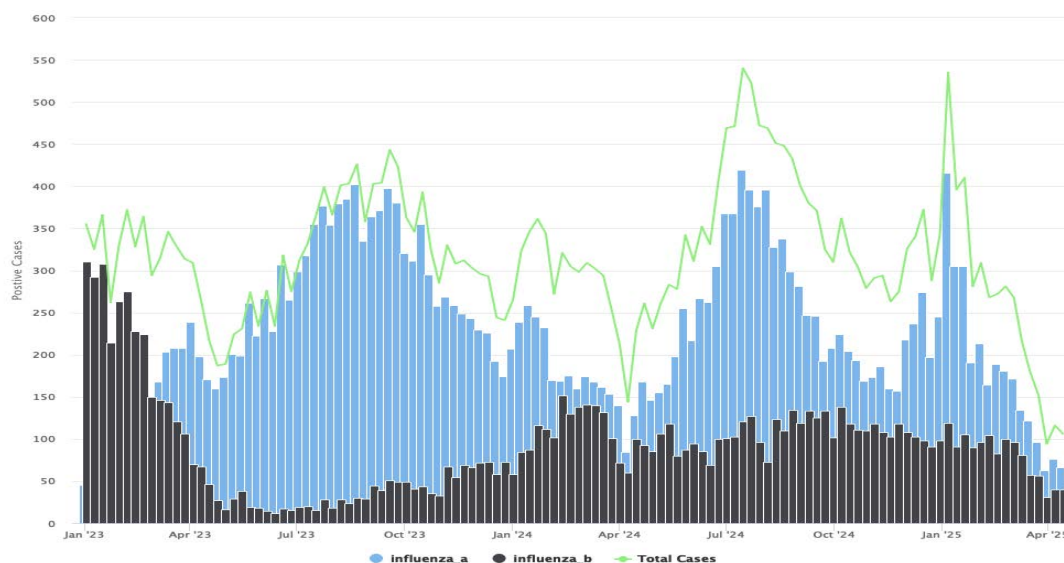
INFLUENZA

Key Findings

- Recently, the trend of influenza cases among ASEAN Member States tends to decline, although some countries are experiencing slight increase.
- While influenza-like illness (ILI) and severe acute respiratory infection (SARI) increase slightly among some ASEAN Member States.

Trends of Influenza Confirmed Cases in the ASEAN region

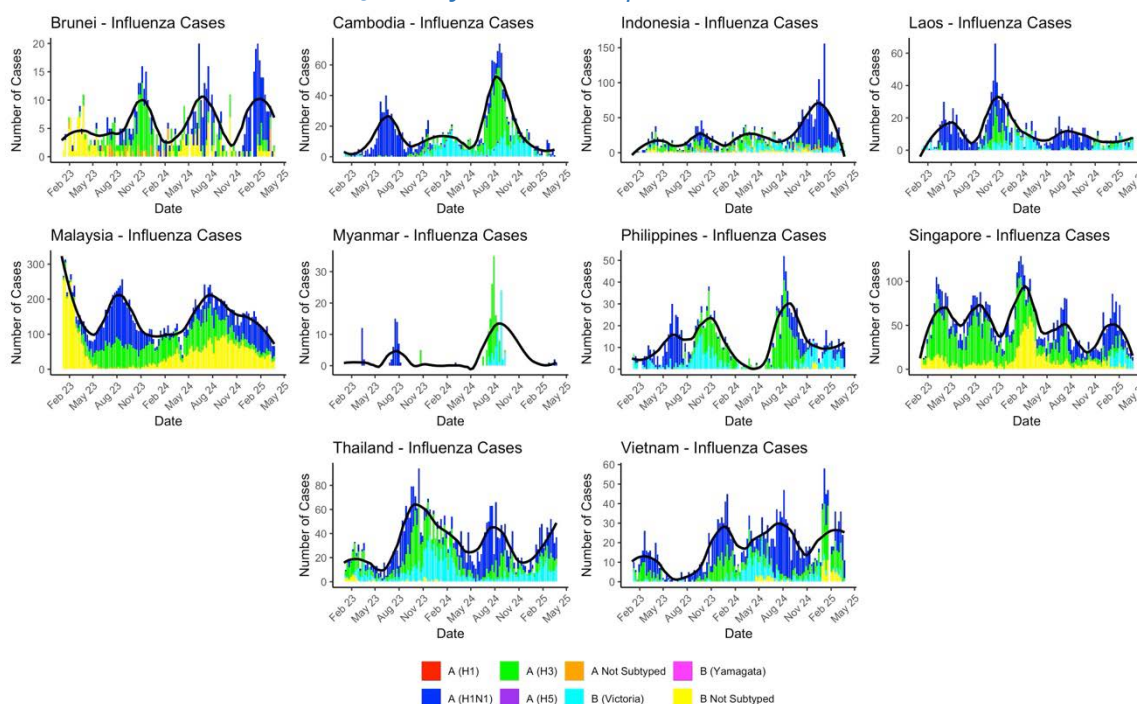
From January 1, 2023 to April 26, 2025



Source: WHO FluNet, accessed on April 29, 2025 (<https://www.who.int/tools/fluNet>)

Trend of Influenza Cases among ASEAN Member States

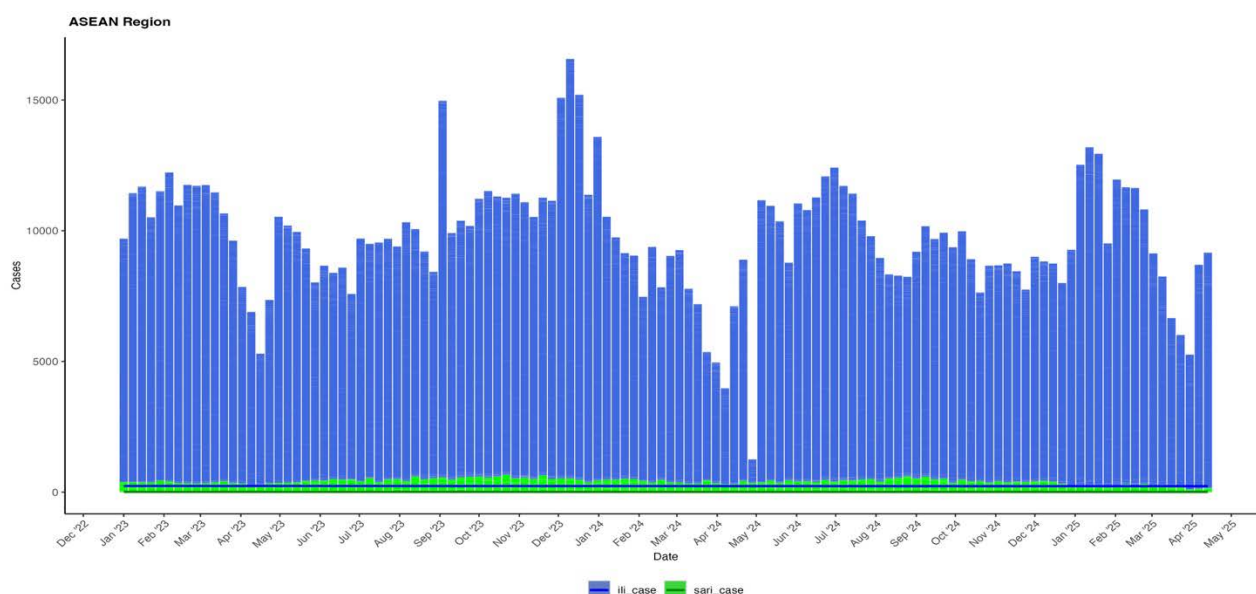
January 1, 2023 to April 26, 2025



Source: WHO FluNet, accessed on April 29, 2025 (<https://www.who.int/tools/fluNet>)

Trend of Influenza-like Illness (ILI) and Severe Acute Respiratory Illness (SARI) in the ASEAN Region

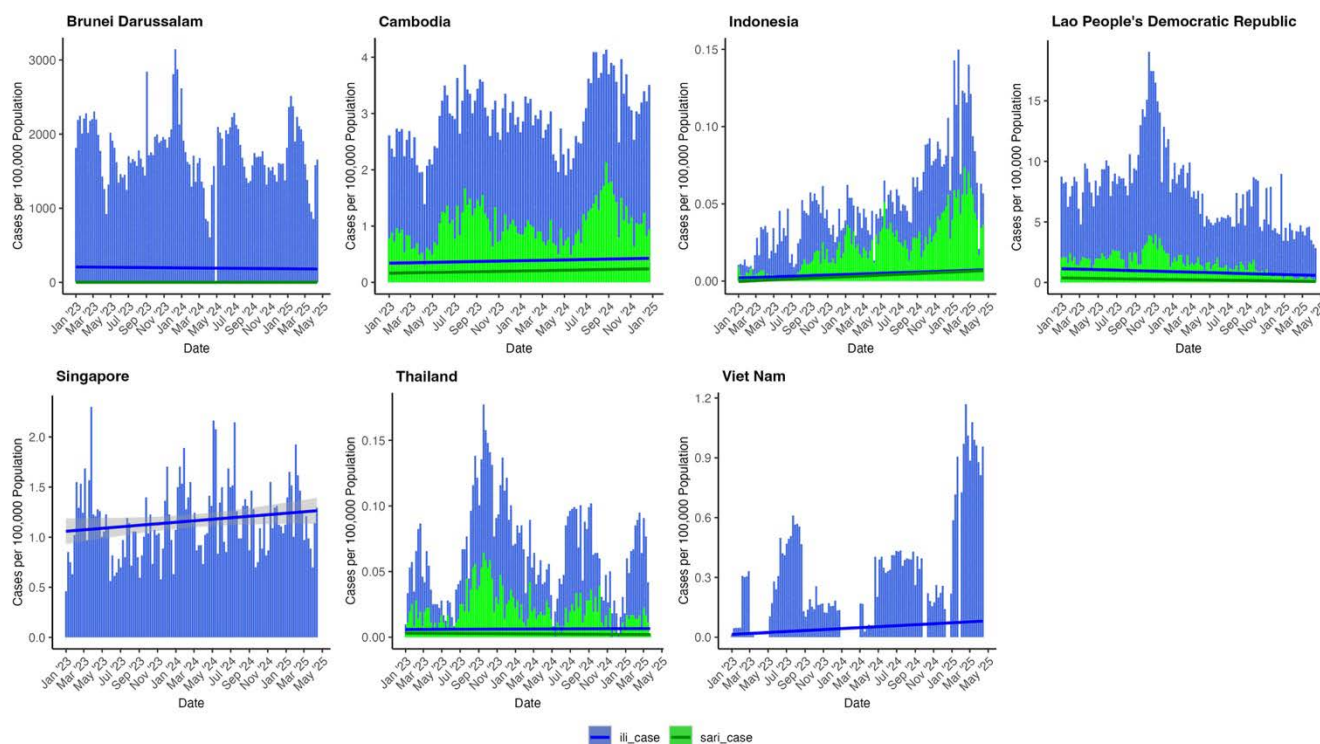
January 1, 2023 to April 26, 2025



Source: WHO FluID, accessed April 29, 2025 (<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs>)

Trend of Influenza-like Illness (ILI) and Severe Acute Respiratory Illness (SARI) among ASEAN Member States

January 1, 2023 to April 26, 2025



Source: WHO FluID, accessed April 29, 2025 (<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs>)

Zoonosis



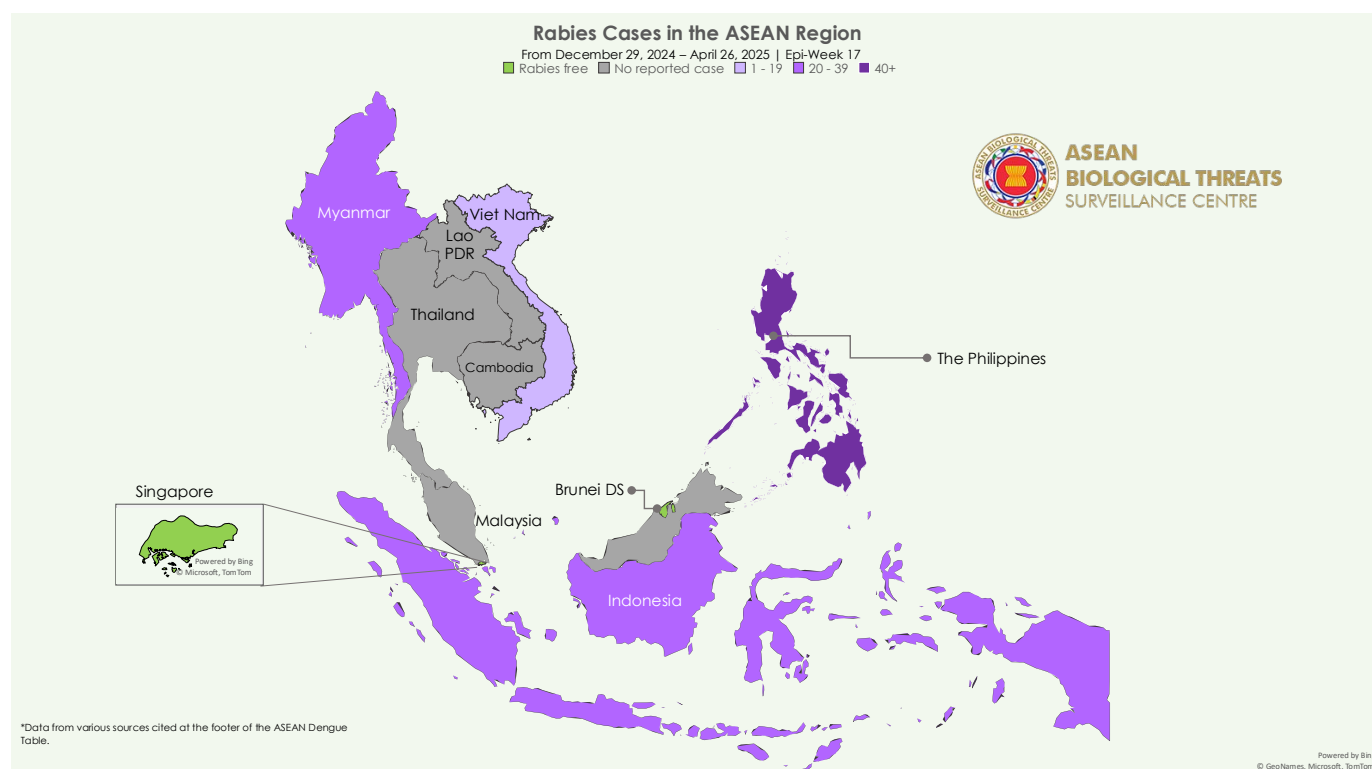
RABIES

Rabies Cases in the ASEAN Region

From December 29, 2024 to April 26, 2025 (Epi-Week 17, 2025)

Key Findings

- The **ASEAN** region reported **no** new rabies cases in Epiweek 17, 2025.
- Up to April 26, 2025, the region reported **141** total cases with **100%** CFR.



Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Brunei Darussalam			Rabies-free country		
Cambodia	-	-	-	-	-
Indonesia¹	Week 14	39	-	39	100%
Lao PDR	-	-	-	-	-
Malaysia²	-	-	-	-	-
Myanmar³	Week 16	35	-	35	100%
Philippines²	Week 9	55	-	55	100%
Singapore			Rabies-free country		
Thailand	-	-	-	-	-
Viet Nam²	Week 16	12	-	12	100%
Total		139	0	139	100%

Source:

- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed April 29, 2025 (<https://portal.bluedot.global/>)
- Department of Public Health, Ministry of Health, Myanmar

Vector-Borne Diseases



DENGUE

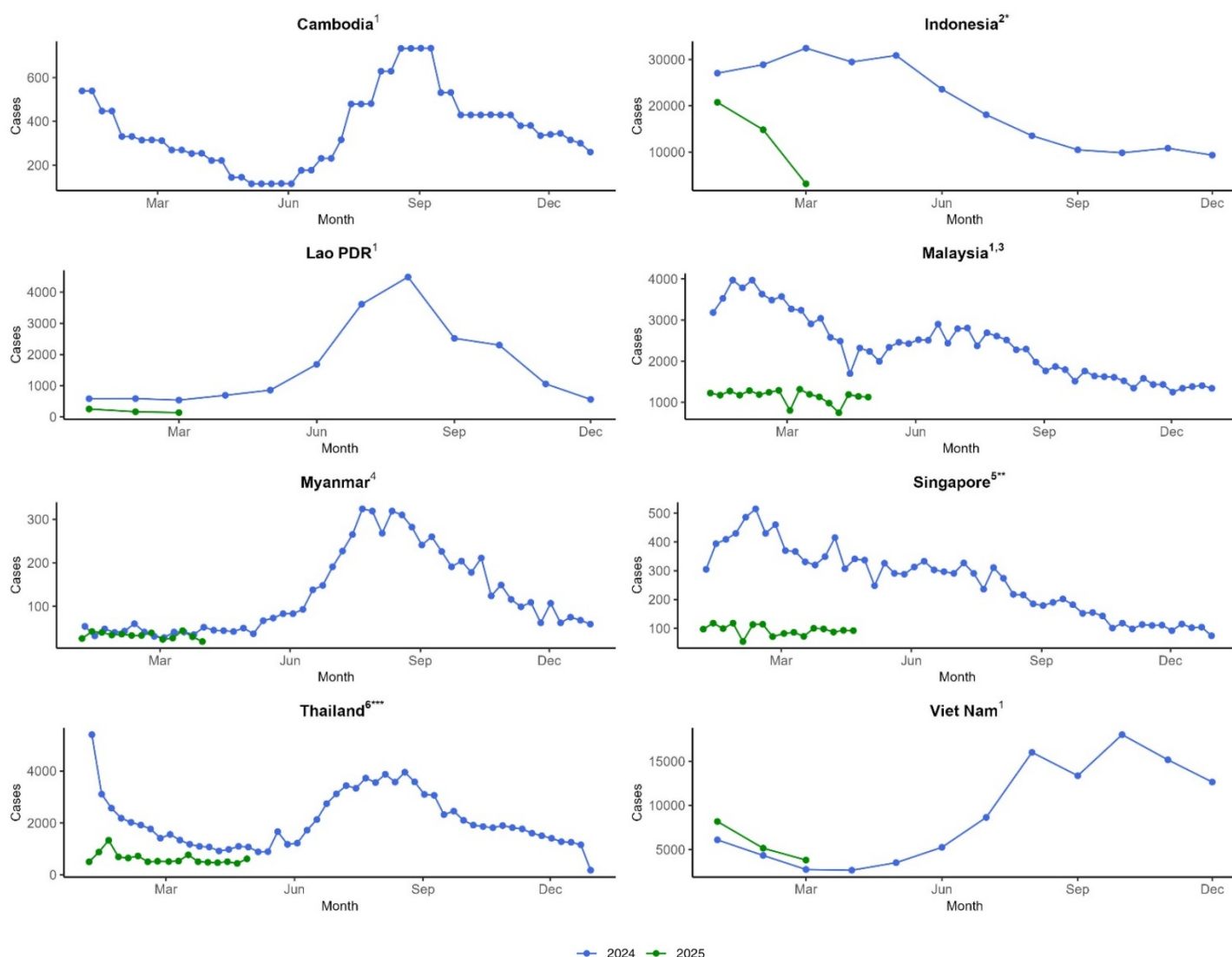
Dengue Cases in the ASEAN Region

From December 29, 2024 to April 26, 2025 (Epi-Week 17, 2025)

Key Findings

- The **ASEAN** region reported **1,706** new dengue cases in Epiweek 17, 2025.
- Up to April 26, 2025, the region reported **88,511** total cases and **207** total deaths with **0.23% CFR**.
- Most dengue trends in 2025 among AMS showing lower number of case compared to previous year at the same period. While Myanmar and Viet Nam showing same trend up to April 26, 2025.

Trend of Dengue cases in the ASEAN region, 2024 - 2025



Source:

- WHO WPRO, "Dengue," World Health Organization, accessed April 29, 2025 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
- Ministry of Health, Republic of Indonesia
- Senarai Kenyataan Akhbar Demam Denggi dan Chikungunya, Kementerian Kesihatan Malaysia, accessed April 29, 2025(https://www.moh.gov.my/index.php/database_stores/store_view/17)
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health. "Weekly Infectious Disease Bulletin", accessed April 29, 2025. (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2025/weekly-infectious-diseases-bulletin>)
- Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed April 29, 2025, (https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOE/views/DDS2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y)

- Data were updated and collected from official sources, which may have a 2-8 weeks delay in reporting. Data must be interpreted cautiously.

*Notified dengue cases only includes severe cases Dengue Hemorrhagic fever (DHF) and Dengue Shock Syndrome (DSS)

**Notified dengue cases only includes Dengue Fever (DF) and DHF

***Notified dengue cases include all type of cases DF, DHF, and DSS

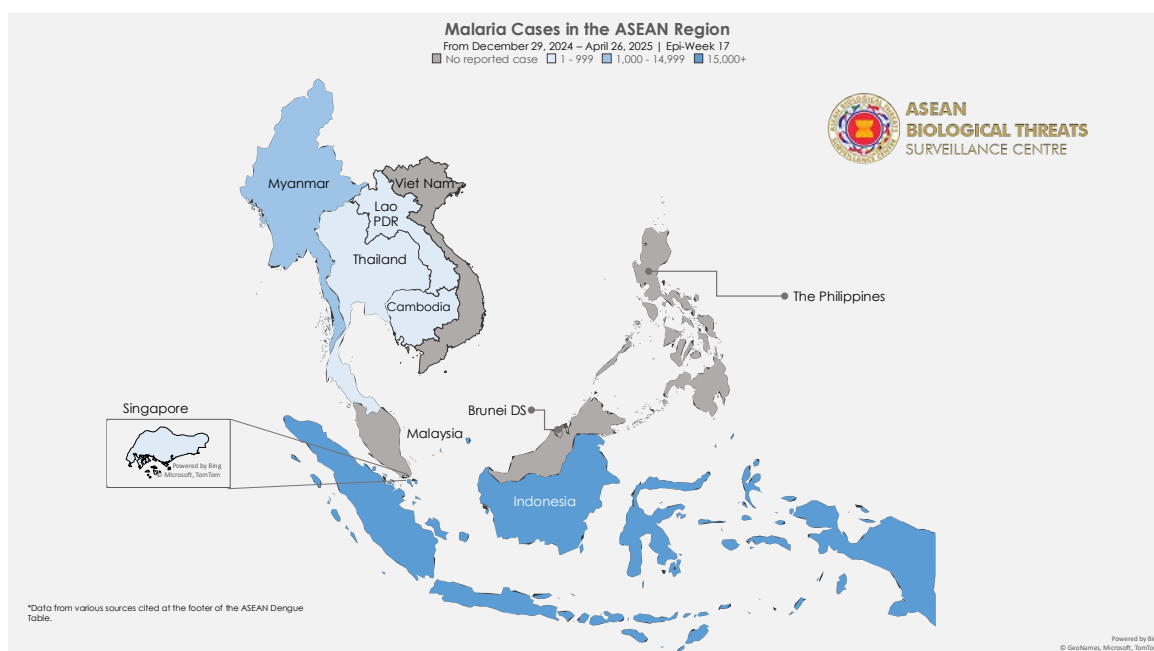
MALARIA

Malaria Cases in the ASEAN Region

From December 29, 2024 to April 26, 2025 (Epi-Week 17, 2025)

Key Findings

- The **ASEAN** region reported **12,632** new malaria cases in Epiweek 17, 2025.
- Up to April 26, 2025, the region reported **201,352** total cases and **no** deaths with **0.00%** CFR.



Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Last Week	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 17	204	0	0	0.00%
Indonesia²	Week 17	173,902	12,524	0	0.00%
Lao PDR³	Week 16	672	-	0	0.00%
Malaysia	-	-	-	-	-
Myanmar⁴	Week 14	25,799	-	0	0.00%
Philippines	-	-	-	-	-
Singapore⁵	Week 16	10	0	0	0.00%
Thailand⁶	Week 17	765	108	0	0.00%
Viet Nam	-	-	-	-	-
Total		201,352	12,623	0	0.00%

Source:

- Cambodia National Malaria Center, accessed April 29, 2025 (<https://mis.cnm.gov.kh/Dashboard>)
- Malaria Cases in Indonesia, accessed April 29, 2025 (<https://malaria.kemkes.go.id/case>)
- Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed April 29, 2025 (<https://www.facebook.com/CCEH.MoH.Lao/>)
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health Singapore, accessed April 29, 2025 (<https://www.moh.gov.sg/others/resources-and-statistics/infectious-disease-statistics-2025-weekly-infectious-diseases-bulletin>)
- Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed April 29, 2025 (https://dvis3.ddc.moph.go.th/DDC_CENTER_DOE/views/DDS2/sheet337%3Aembed=y&%3AisGuestRedirectFromVizportal=y)

Vaccine- Preventable Diseases

A person wearing a white lab coat is shown from the chest up, holding a small glass vial in their right hand and a syringe in their left hand. They are in the process of drawing a yellowish liquid from the vial into the syringe. The background is a soft-focus clinical setting with blue and white elements. The text 'Vaccine- Preventable Diseases' is overlaid in large white font on the left side of the image.

From December 29, 2024 to April 26, 2025 (Epi-Week 17, 2025)

- The **ASEAN** region reported **28** new measles cases in Epiweek 17, 2025.
- Up to April 26, 2025, the region reported **2,913** total cases with **0%** CFR.
- Mostly measles cases in the ASEAN Region slightly decrease compared to the same period on the previous year.

Figure 1 displays COVID-19 cases for nine countries: Cambodia¹, Indonesia¹, Lao PDR¹, Malaysia¹, Myanmar², Singapore³, Philippines¹, Thailand⁴, and Vietnam¹. The charts compare 2024 (blue line) and 2025 (green line) data. The y-axis represents 'Cases' and the x-axis represents 'Month'.

Cambodia¹: 2024 cases show a sharp increase starting in September, reaching over 300 by December. 2025 data is only available for January and February, showing a decrease from approximately 320 to 220 cases.

Indonesia¹: 2024 cases fluctuate between 300 and 800 throughout the year, with a notable dip in July. 2025 data is only available for January and February, showing a decrease from approximately 650 to 550 cases.

Lao PDR¹: 2024 cases start at 1.00 in January and drop to 0.00 by February, remaining at zero for the rest of the year. 2025 data is only available for January and February, both at 0.00 cases.

Malaysia¹: 2024 cases show a general downward trend from over 600 in January to around 100 in December, with a slight uptick in November. 2025 data is only available for January and February, showing a decrease from approximately 100 to 50 cases.

Myanmar²: 2024 cases are highly volatile, with several peaks reaching up to 7 cases. 2025 data is only available for January and February, both at 0 cases.

Singapore³: 2024 cases show multiple peaks, with the highest reaching 2.0 in May. 2025 data is only available for January and February, showing a decrease from approximately 1.0 to 0.5 cases.

Philippines¹: 2024 cases show a significant peak in April, reaching over 600, followed by a decline and then a slight increase towards the end of the year. 2025 data is only available for January and February, showing a decrease from approximately 380 to 350 cases.

Thailand⁴: 2024 cases show a steady increase from January, peaking in November at nearly 500, before declining. 2025 data is only available for January and February, showing a decrease from approximately 50 to 20 cases.

Vietnam¹: 2024 cases show a consistent upward trend throughout the year, reaching nearly 500 by December. 2025 data is only available for January and February, showing a decrease from approximately 150 to 20 cases.

1. Provisional Measles and Rubella Data, World Health Organization, accessed April 29, 2025 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
2. Department of Public Health, Ministry of Health, Myanmar
3. Ministry of Health Singapore, accessed April 29, 2025 (<https://www.moh.gov.sg/others/resources-and-statistics/infectious-disease-statistics-2025-weekly-infectious-diseases-bulletin>)
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed April 29, 2025 (<http://doe.moph.go.th/surdata/index.php>)



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