



**ASEAN
BIOLOGICAL THREATS
SURVEILLANCE CENTRE**

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Morbidity and Mortality Weekly Report (MMWR)

Infectious & Emerging Diseases
in the ASEAN Region

With Support by:



Korea Disease Control and
Prevention Agency



In partnership with
Canada



Kemenkes



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@aseanbiosurveillance.org

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Table of Contents

Emerging Diseases	2
Mpox.....	3
COVID-19.....	7
Influenza	9
Influenza-like Illness	10
Zoonosis.....	11
Rabies	12
Vector-borne Diseases.....	13
Dengue	14
Malaria.....	15
Vaccine-preventable Diseases	16
Measles	17

Emerging Diseases

A person wearing a full-body white protective suit, including a hood and a face mask, is shown from the chest up. They are wearing black gloves and holding a small, clear, rectangular container with a red cap. The background is a blurred laboratory setting with blue and white tones.

MPOX

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – October 18, 2025



Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed October 21, 2025, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

Key Findings

- From 1 January 2023 to 18 October 2025, **76,789** confirmed cases worldwide since 2023, including **379** deaths. Globally, the CFR was **0.49 %**.
- **1,651 confirmed cases** including **29 deaths** in the **ASEAN** region, with a CFR of **1.76%**.
- **75,138 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 Oct. 18, 2025)

ASEAN Member States	Cumulative Cases 2023-2025	New Cases Since Previous Report	Cumulative Deaths 2023-2025	New Deaths Since Previous Report	CFR
Cambodia¹	20	0	0	0	0.00%
Indonesia²	87	0	0	0	0.00%
Lao PDR³	1	0	0	0	0.00%
Malaysia³	17	2	0	0	0.00%
Philippines³	330	0	7	0	2.12%
Singapore⁴	62	0	0	0	0.00%
Thailand³	925	0	13	0	1.41%
Vietnam³	209	0	9	0	4.31%
ASEAN Total	1,651	2	29	0	1.76%

Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia (<https://infeksiemerging.kemkes.go.id>)
3. WHO Mpox Outbreak: Global Trends, accessed October 21, 2025 (https://worldhealthorg.shinyapps.io/mpox_global/)
4. Ministry of Health Singapore, accessed October 21, 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 Oct. 18, 2025)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Democratic Republic of Congo	26,978	43	68	0.25%
Uganda	8,012	29	50	0.62%
United States of America	5,497	0	10	0.18%
Sierra Leone	5,245	46	56	1.06%
Burundi	4,405	42	1	0.02%

Source: WHO Mpox Outbreak: Global Trends, accessed October 21, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

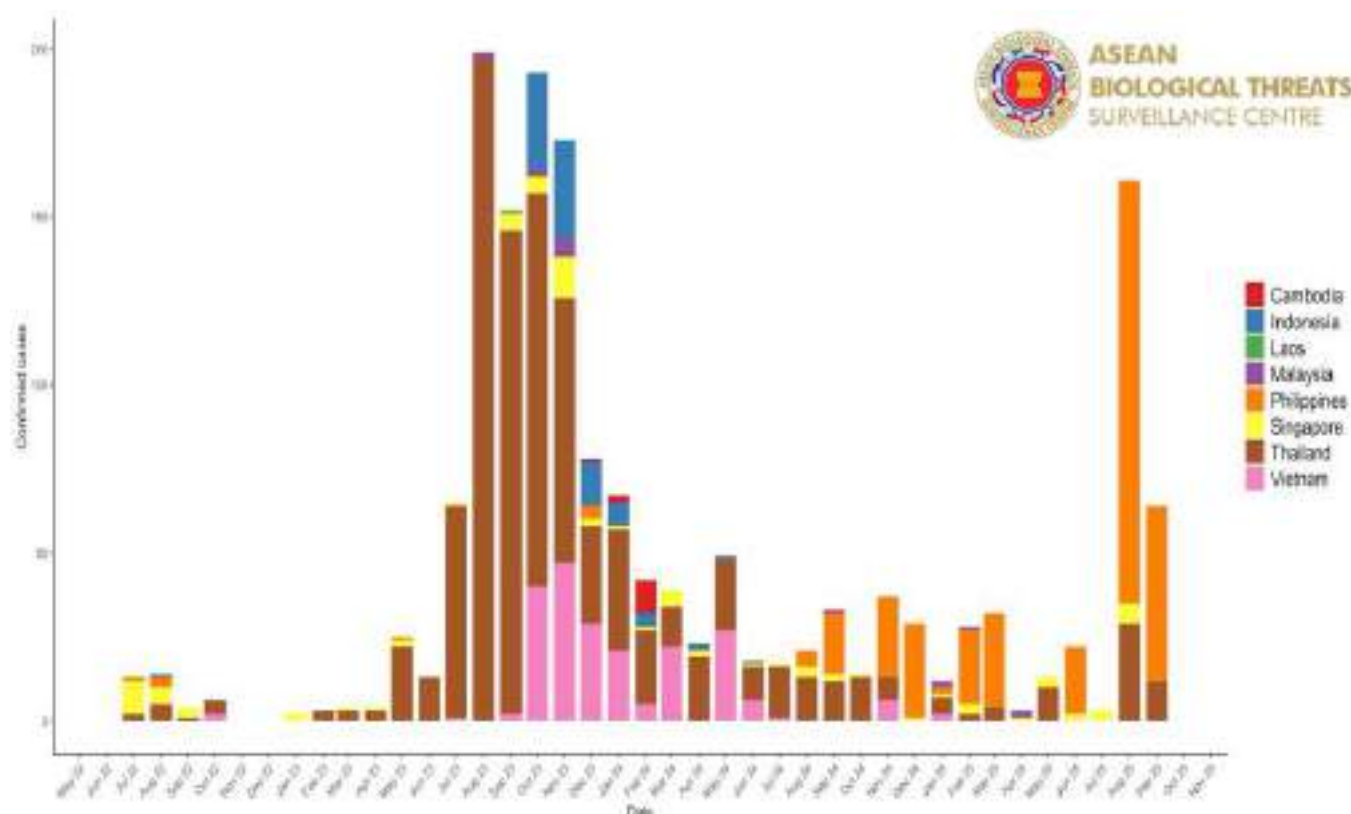
Mpox cases per region (Jan. 1, 2023 to Oct. 18, 2025)

REGIONS	CUMULATIVE CASES 2023-2025	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	49,106	366	210	0.43%
AMERICAS	12,831	0	102	0.79%
ASEAN	1,651	2	29	1.76%
ASIA & OCEANIA	8,316	3	33	0.40%
EUROPE	4,885	0	5	0.10%
TOTAL	76,789	371	379	0.49%

Source: WHO Mpox Outbreak: Global Trends, accessed October 21, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

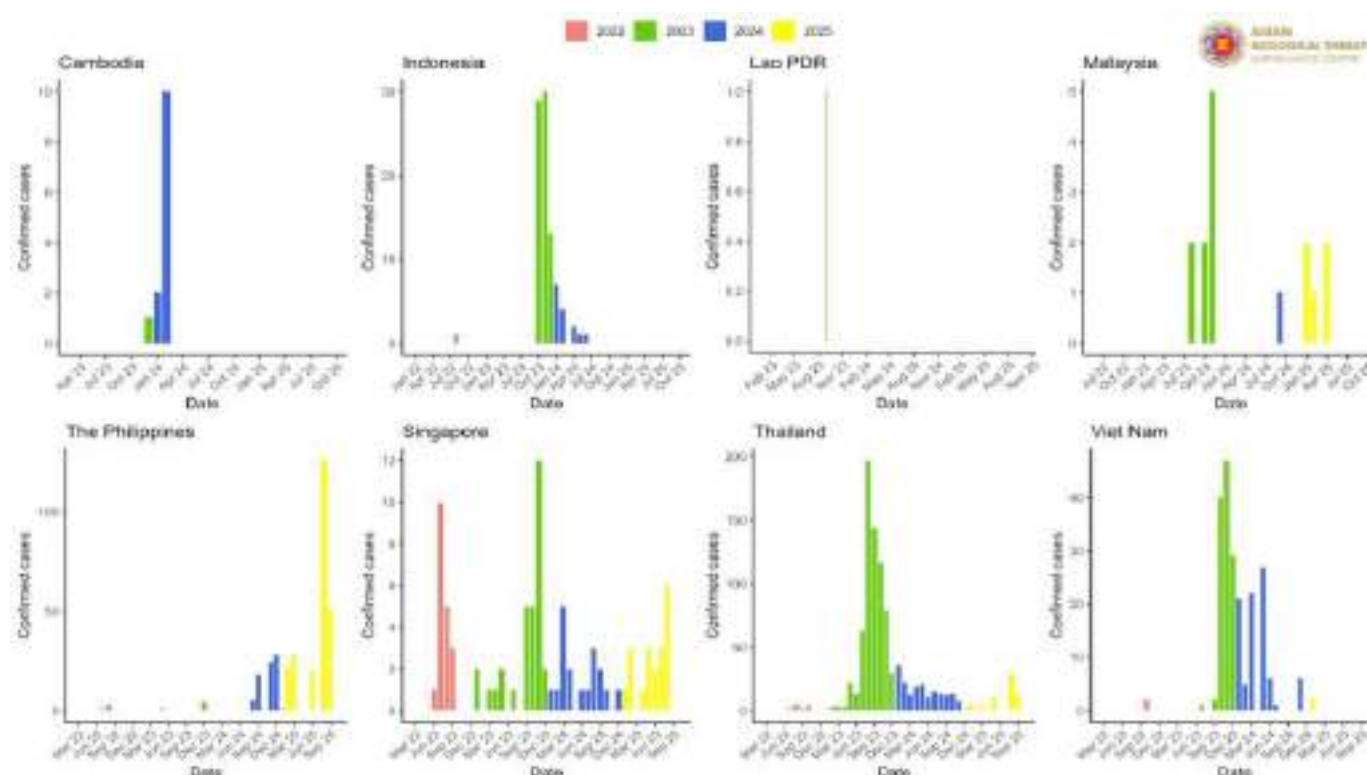
Trend of Mpox Confirmed Cases in the ASEAN Region

January 1, 2022 to October 18, 2025



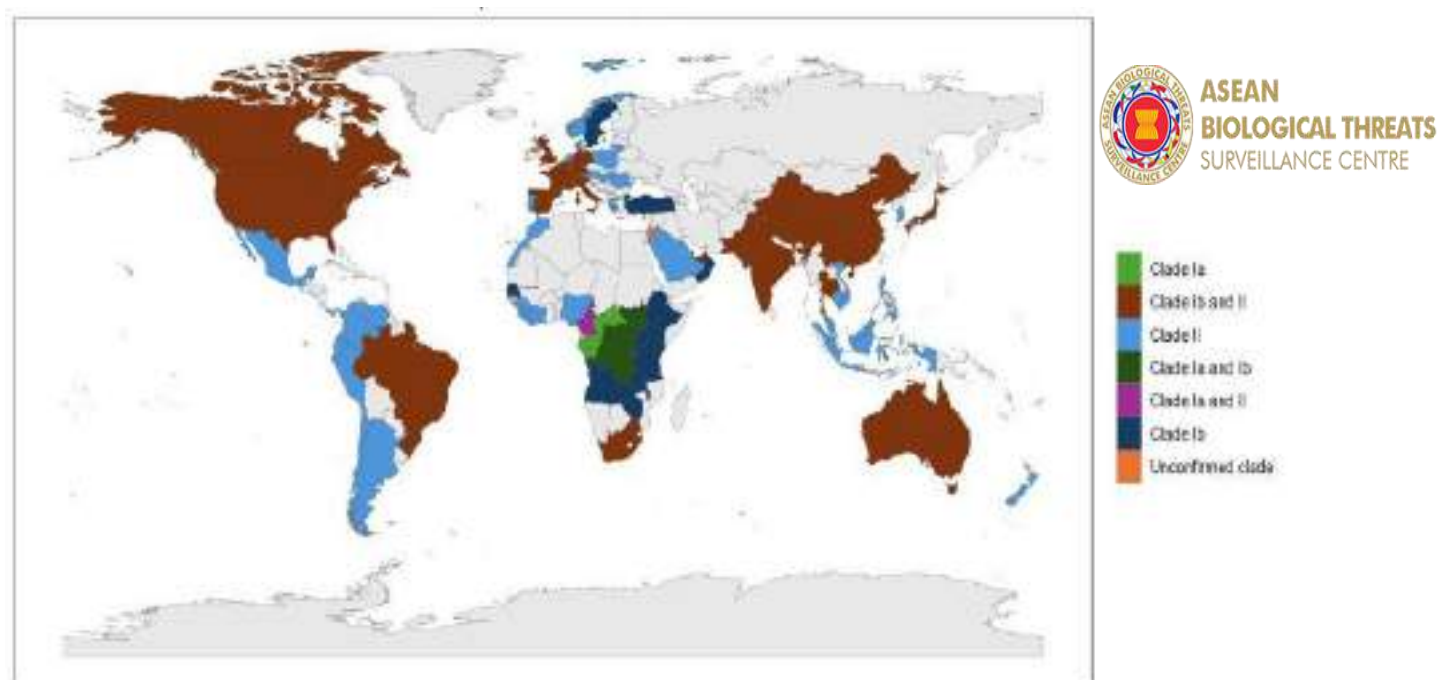
Source: Our World in Data, accessed on October 21, 2025 (<https://ourworldindata.org/monkeypox>)

Trend of Mpox Confirmed Cases among ASEAN Member States January 1, 2022 to October 18, 2025



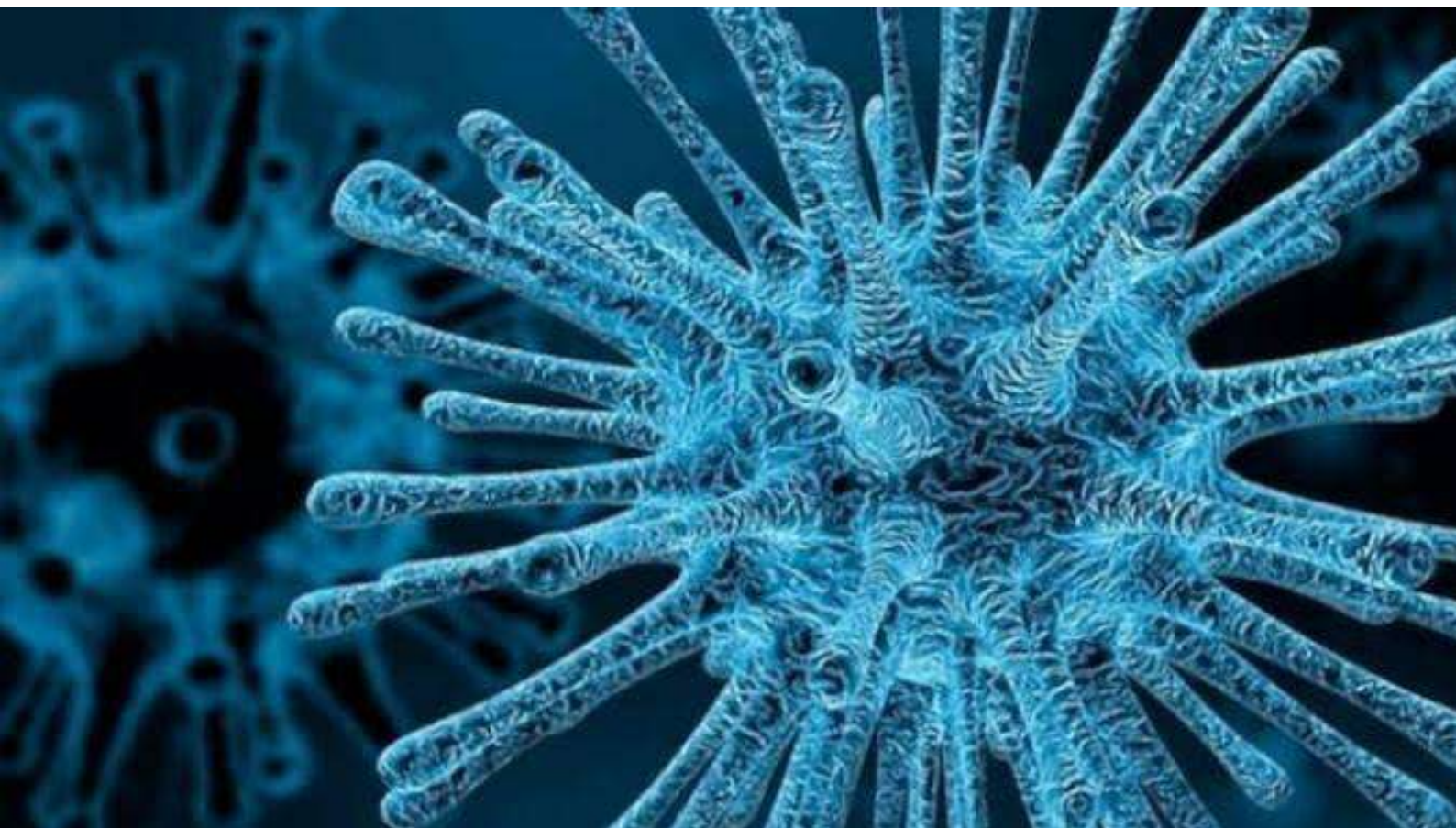
Source: Our World in Data, accessed on October 21, 2025 (<https://ourworldindata.org/monkeypox>)

Distribution of Mpox Variants in The Global As of October 18, 2025



Source: GISAID and WHO

Distribution of Mpox Variant (Clade) in the ASEAN and Neighbouring Countries and Areas As of October 18, 2025



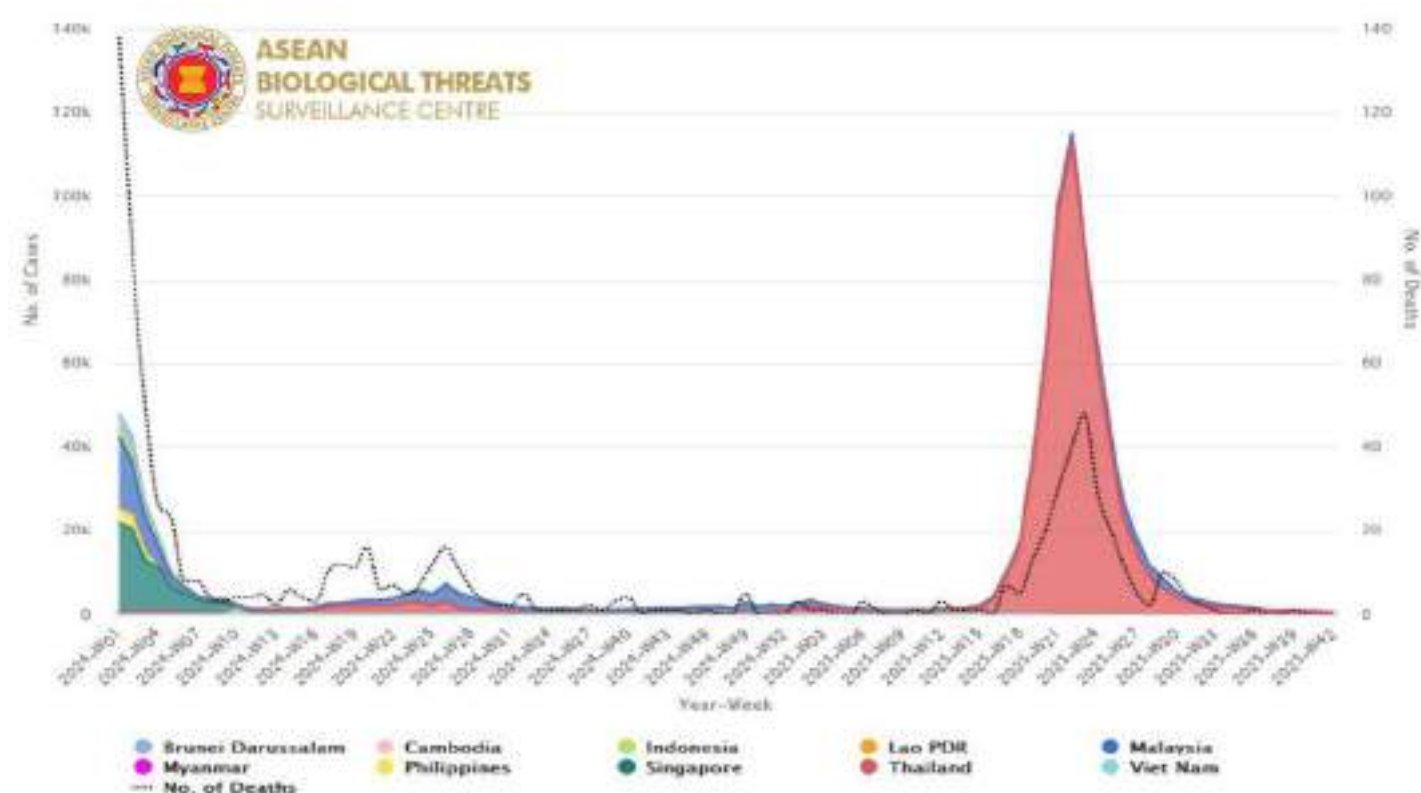
COVID-19

Key Findings

- As of 18 October 2025 (5PM, GMT+7), there were **778,652,552** confirmed cases **worldwide**, including **7,102,013** deaths. Globally, the Case Fatality Rate (CFR) was **0.91%**.
- 37,748,399** total confirmed cases of COVID-19 have been reported in the **ASEAN Region**.
- The CFR in the **ASEAN Region** was **0.98%**.
- In October 2025, the latest submission on GISAID by Indonesia and Singapore showed dominance in **Omicron B.1.1.529+BA.*** variant. Meanwhile, other member states such as Lao PDR, Cambodia, Malaysia, and Viet Nam were still dominated by **NB.1.8.1** variant. Thailand revealed an equal percentage between **Omicron B.1.1.529+BA.*** and **NB.1.8.1** variants.

ASEAN Weekly COVID-19 Cases and Deaths

From January 1, 2024 to October 18, 2025



Sources: [Singapore Government](#), [MOH Indonesia](#), [MOH Cambodia](#), [DDC Thailand](#), MOH Myanmar, [MOH Malaysia](#), and [WHO](#) accessed on October 21, 2025

- A major peak in case numbers occurred in mid-2025 until week 22 as the highest peak of the cases reported. Meanwhile, after week 23, the cases continued to decrease significantly until the week of 42.
- The latest updated of COVID-19 cases were reported low by ASEAN Member States.

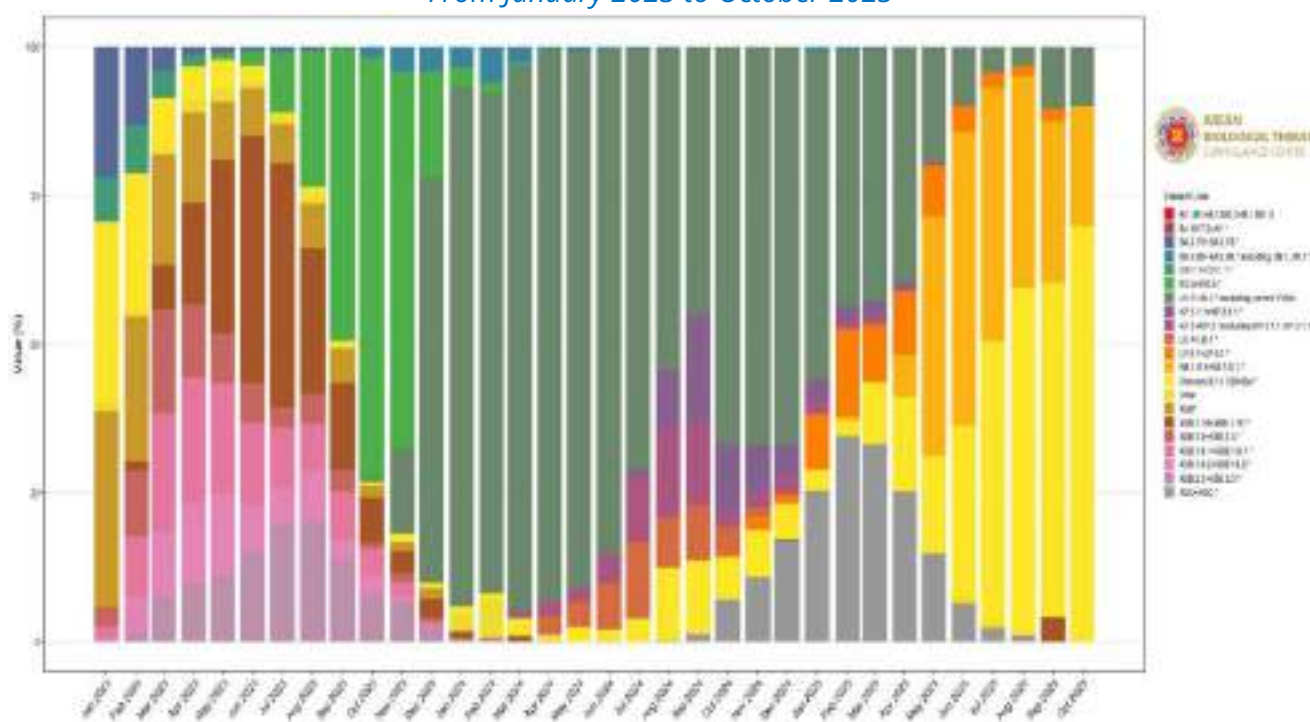
COVID-19 Variants Frequencies Among the ASEAN Member States As of October 2025



Source: GISAID. "hCoV-19 Variants Dashboard," accessed October 21, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

In October 2025, the latest submission on GISAID by Indonesia and Singapore showed dominance in **Omicron B.1.1.529+BA.*** variant. Meanwhile, other member states such as Lao PDR, Cambodia, Malaysia, and Viet Nam were still dominated by **NB.1.8.1** variant. Thailand revealed an equal percentage between **Omicron B.1.1.529+BA.*** and **NB.1.8.1** variants.

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



Source: GISAID. "hCoV-19 Variants Dashboard," accessed October 21, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

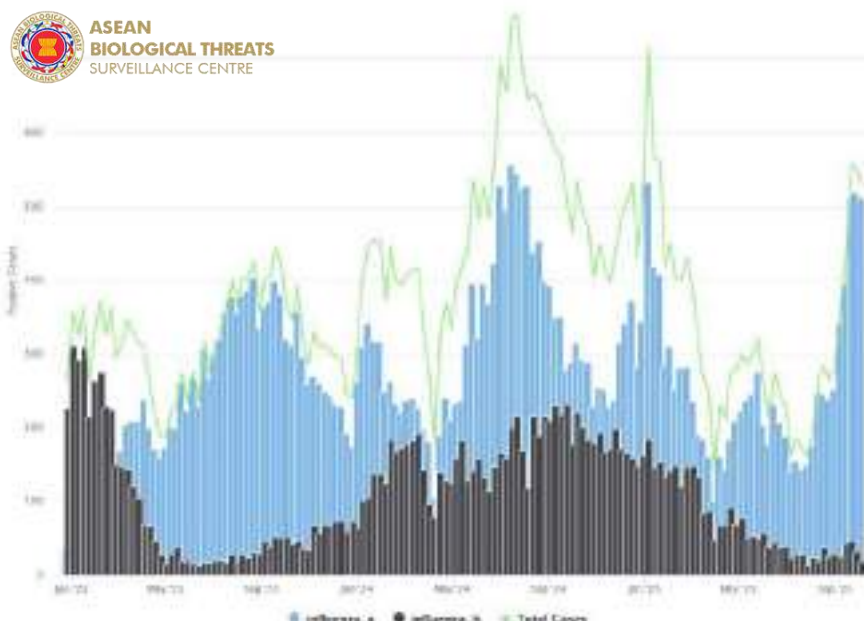
INFLUENZA

Key Findings

- Recently, most influenza cases among ASEAN Member States had increased.
- Influenza-like illness (ILI) and severe acute respiratory infection (SARI) cases were increase among some ASEAN Member States.

Trends of Influenza Confirmed Cases in the ASEAN region

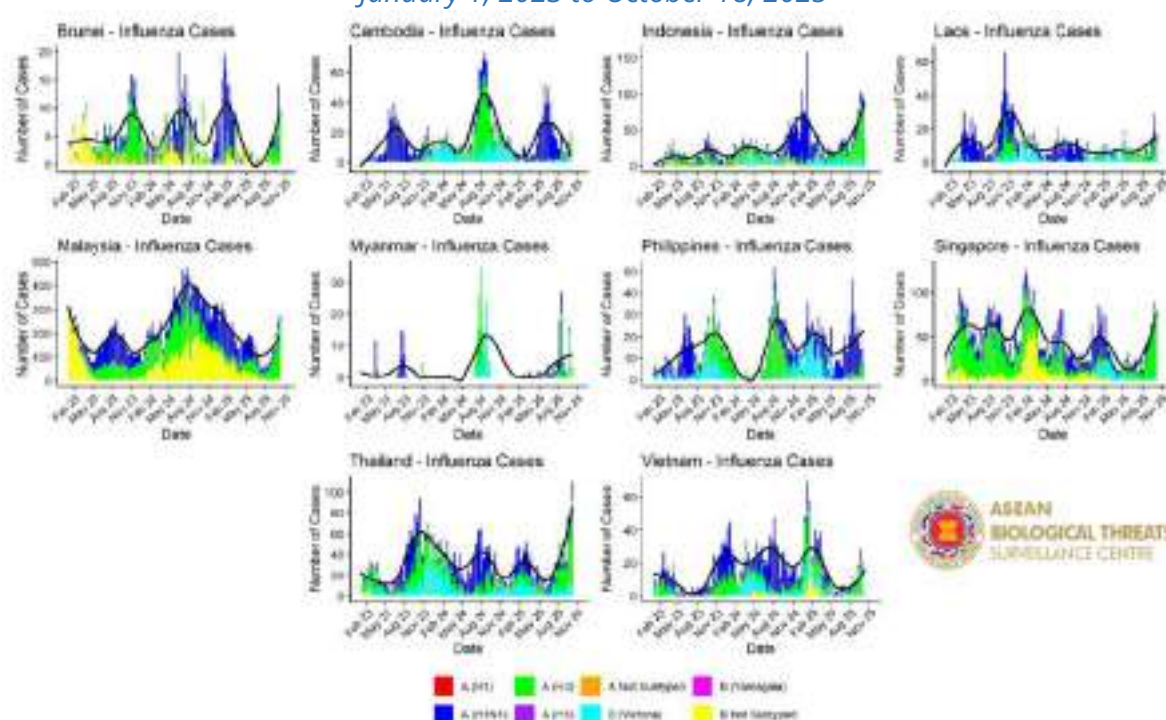
From January 1, 2023 to October 18, 2025



Source: WHO FluNet, accessed on October 21, 2025 (<https://www.who.int/tools/fluNet>)

Trend of Influenza Cases among ASEAN Member States

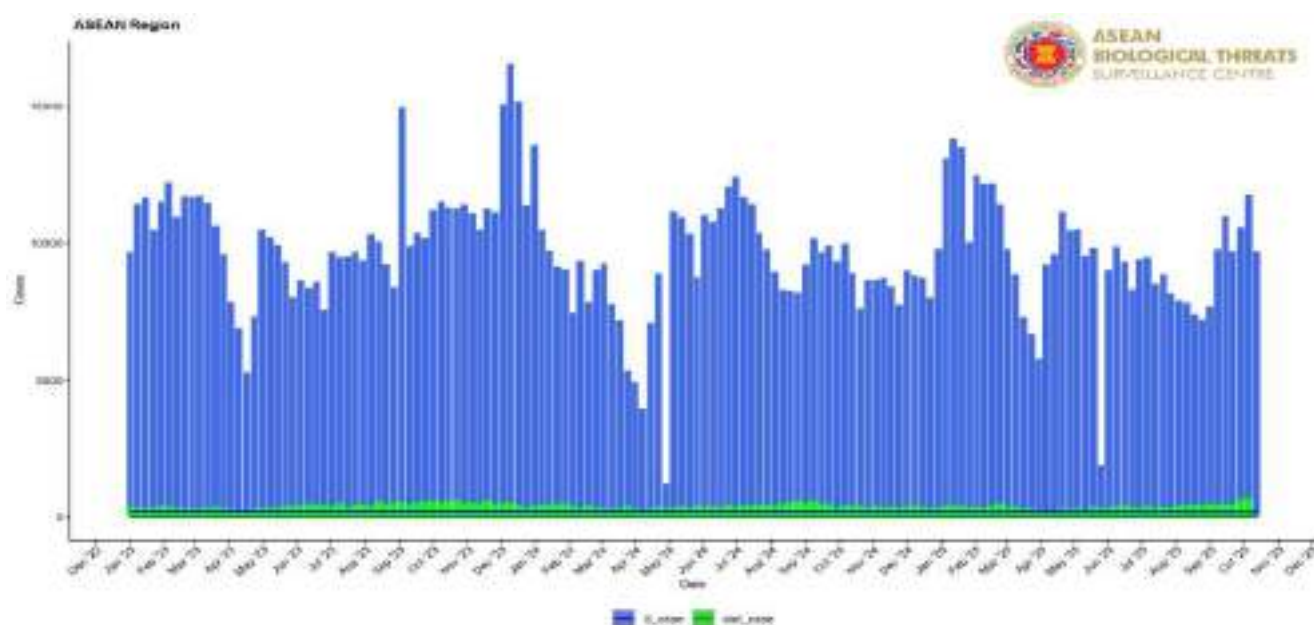
January 1, 2023 to October 18, 2025



Source: WHO FluNet, accessed on October 21, 2025 (<https://www.who.int/tools/fluNet>)

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

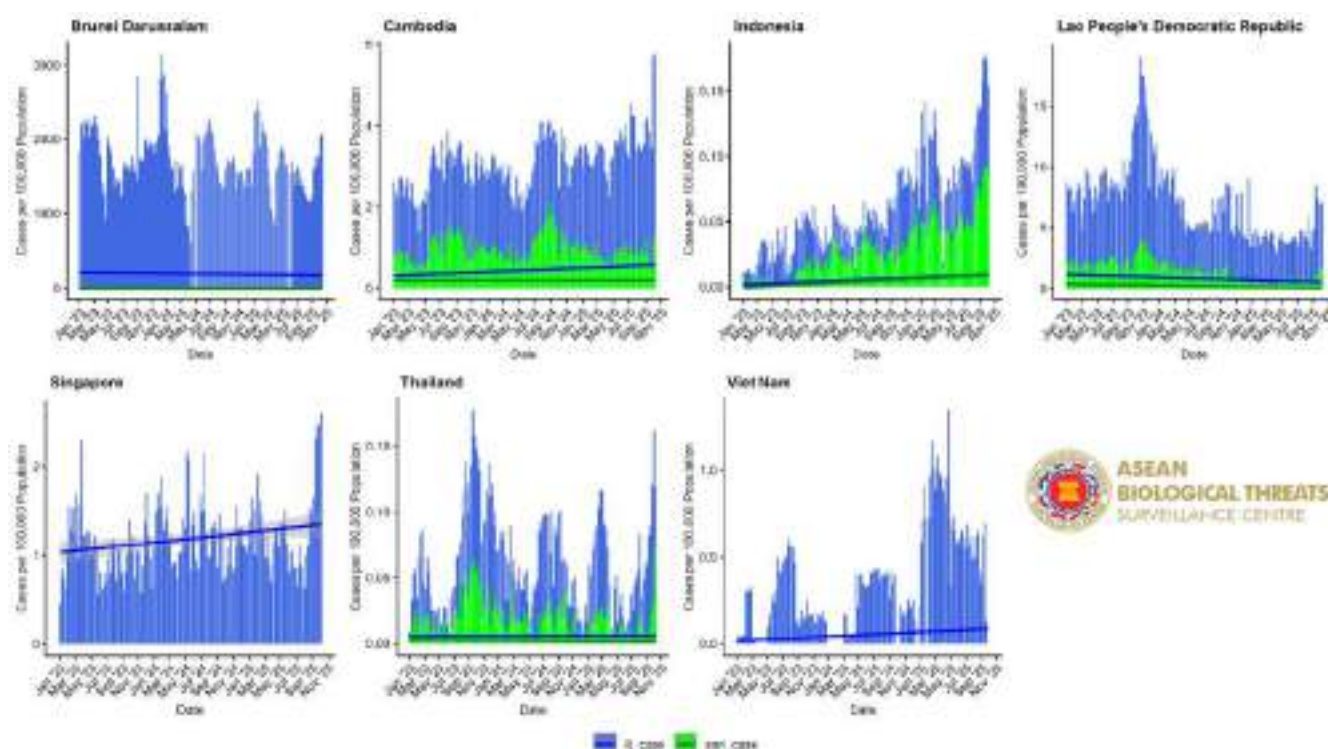
January 1, 2023 to October 18, 2025



Source: WHO FluID, accessed October 21, 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 October 18, 2025



Source: WHO FluID, accessed October 21, 2025 (<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs>)

Zoonosis



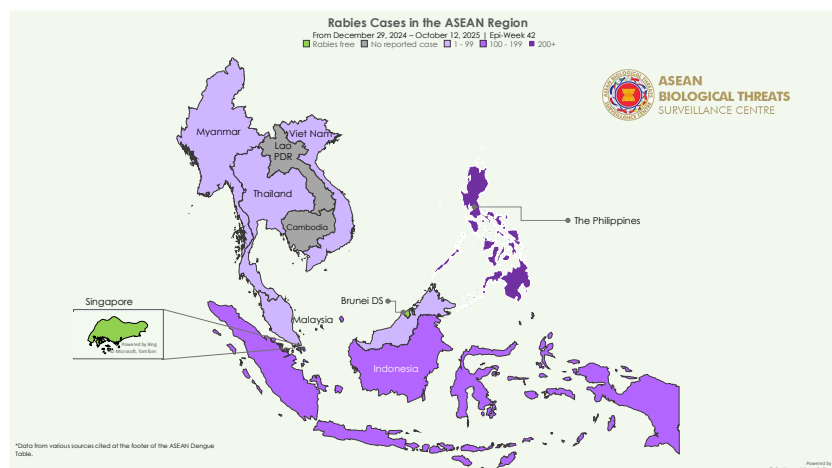
RABIES

Rabies Cases in the ASEAN Region

From December 29, 2024 to October 18, 2025 (Epi-Week 42, 2025)

Key Findings

- The **ASEAN** region reported **22** new rabies cases in Epi-week 42, 2025.
- Up to October 18, 2025, the region reported **509** total cases with **100%** CFR.



Rabies cases (Human) 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 42	131	4	131	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 42	5	1	5	100%
Myanmar³	Week 42	97	1	97	100%
Philippines²	Week 31	211	-	211	100%
Singapore			Rabies-free country		
Thailand²	Week 29	7	-	7	100%
Viet Nam²	Week 42	58	16	58	100%
Total		509	22	509	100%

Rabies cases (Animal) in the ASEAN region⁴

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Brunei Darussalam			Rabies-free country		
Cambodia	Week 11	1	-	1	100%
Indonesia¹	-	-	-	-	-
Lao PDR	-	-	-	-	-
Malaysia²	Week 35	40	-	40	100%
Myanmar³	Week 30	2	-	2	100%
Philippines²	-	-	-	-	-
Singapore			Rabies-free country		
Thailand²	Week 38	200	-	200	100%
Viet Nam²	-	-	-	-	-
Total		243	0	243	100%

Source:

- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed October 21, 2025 (<https://portal.bluedot.global/>)
- Department of Public Health, Ministry of Health, Myanmar
- World Organization for Animal Health (WOAH), accessed October 21, 2025 (<https://wahis.woah.org/#/event-management>)

Vector-Borne Diseases



DENGUE

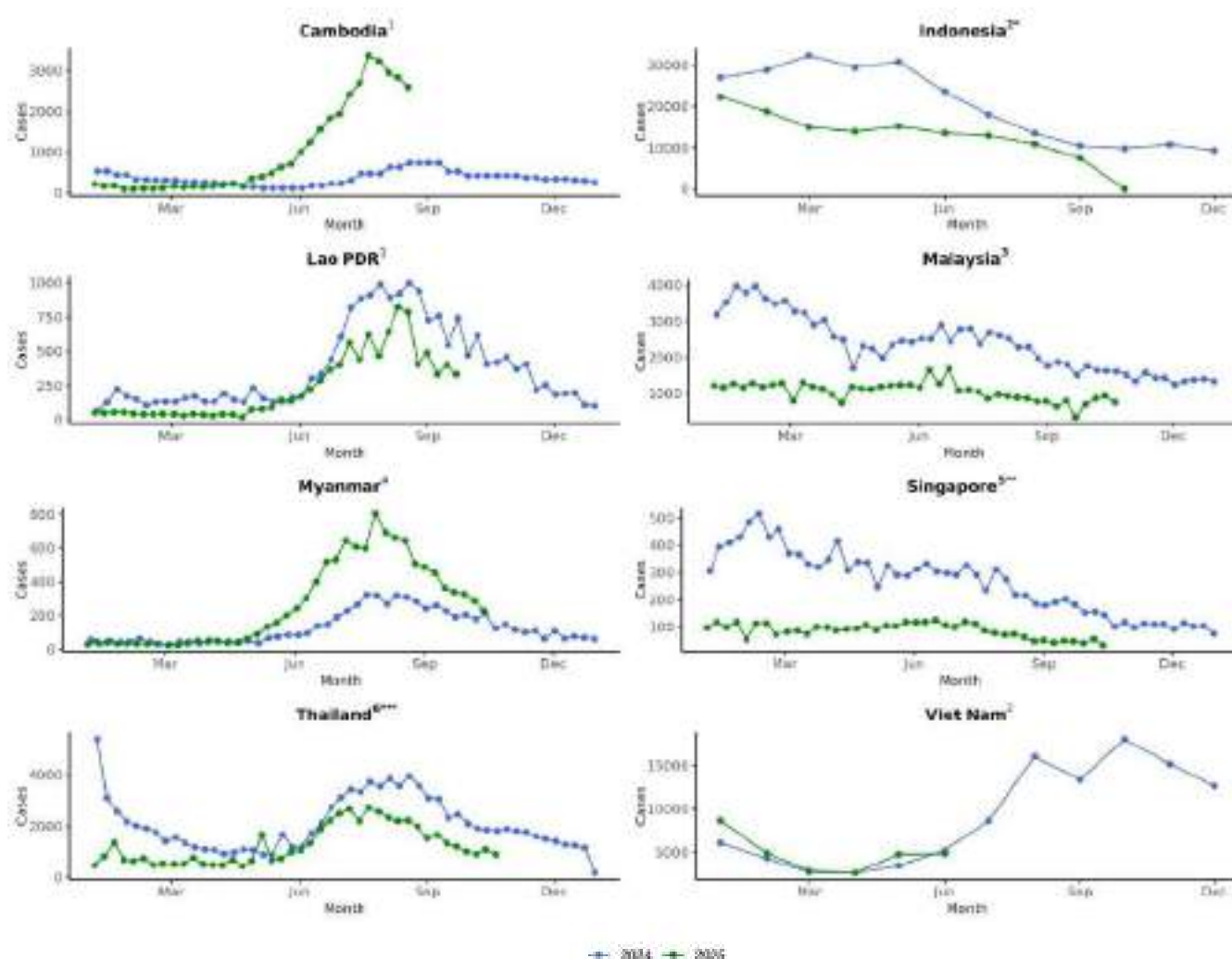
Dengue Cases in the ASEAN Region

From December 29, 2024 to October 18, 2025 (Epi-Week 42, 2025)

Key Findings

- The **ASEAN** region reported **10,102** new dengue cases in Epi-week 42, 2025.
- Up to October 18, 2025, the region reported **376,365** total cases and **734** total deaths with **0.20% CFR**.
- Most dengue trends in 2025 among AMS showing lower number of cases compared to previous year at the same period. Cambodia and Myanmar showing significant increase of dengue cases compared to previous year at the same period.

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



Source:

- WHO WPRO, "Dengue," World Health Organization, accessed October 21, 2025 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
- WHO Global Dengue Surveillance, accessed October 21, 2025 (https://worldhealthorg.shinyapps.io/dengue_global/).
- Portal Rasmi iDengue untuk Komuniti, accessed October 21, 2025 (<https://idengue.mysa.gov.my/>).
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health. "Weekly Infectious Disease Bulletin", accessed October 21, 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 October 21, 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

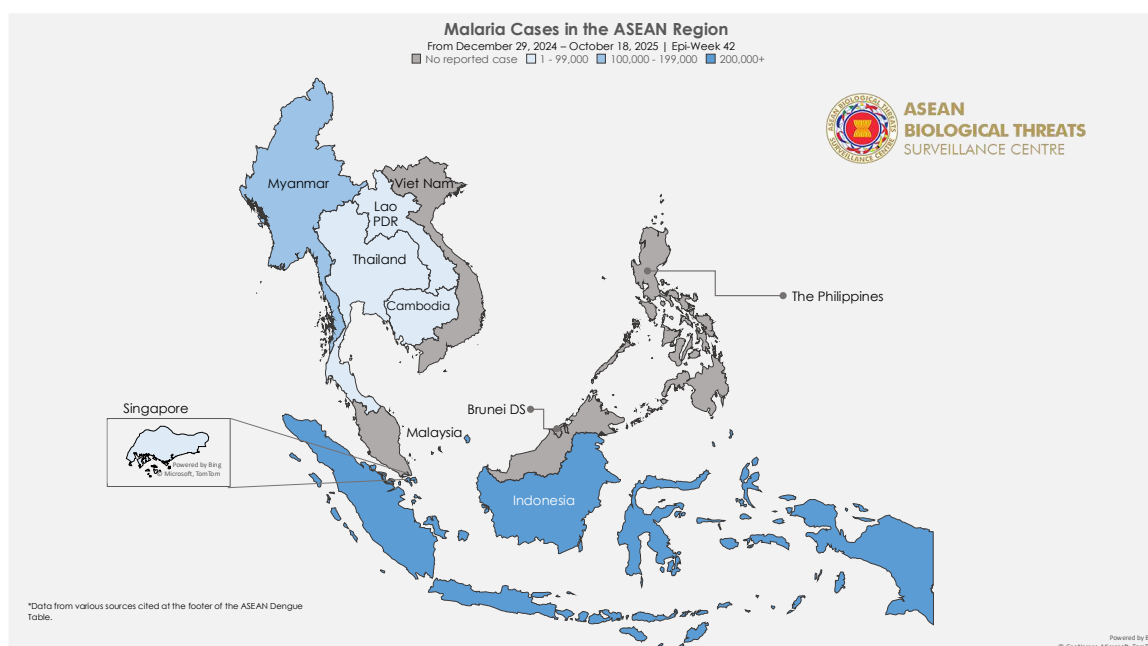
MALARIA

Malaria Cases in the ASEAN Region

From December 29, 2024 to October 18, 2025 (Epi-Week 42, 2025)

Key Findings

- The **ASEAN** region reported **16,033** new malaria cases in Epi-week 42, 2025.
- Up to October 18, 2025, the region reported **677,462** total cases and **91** deaths with **0.01%** CFR.



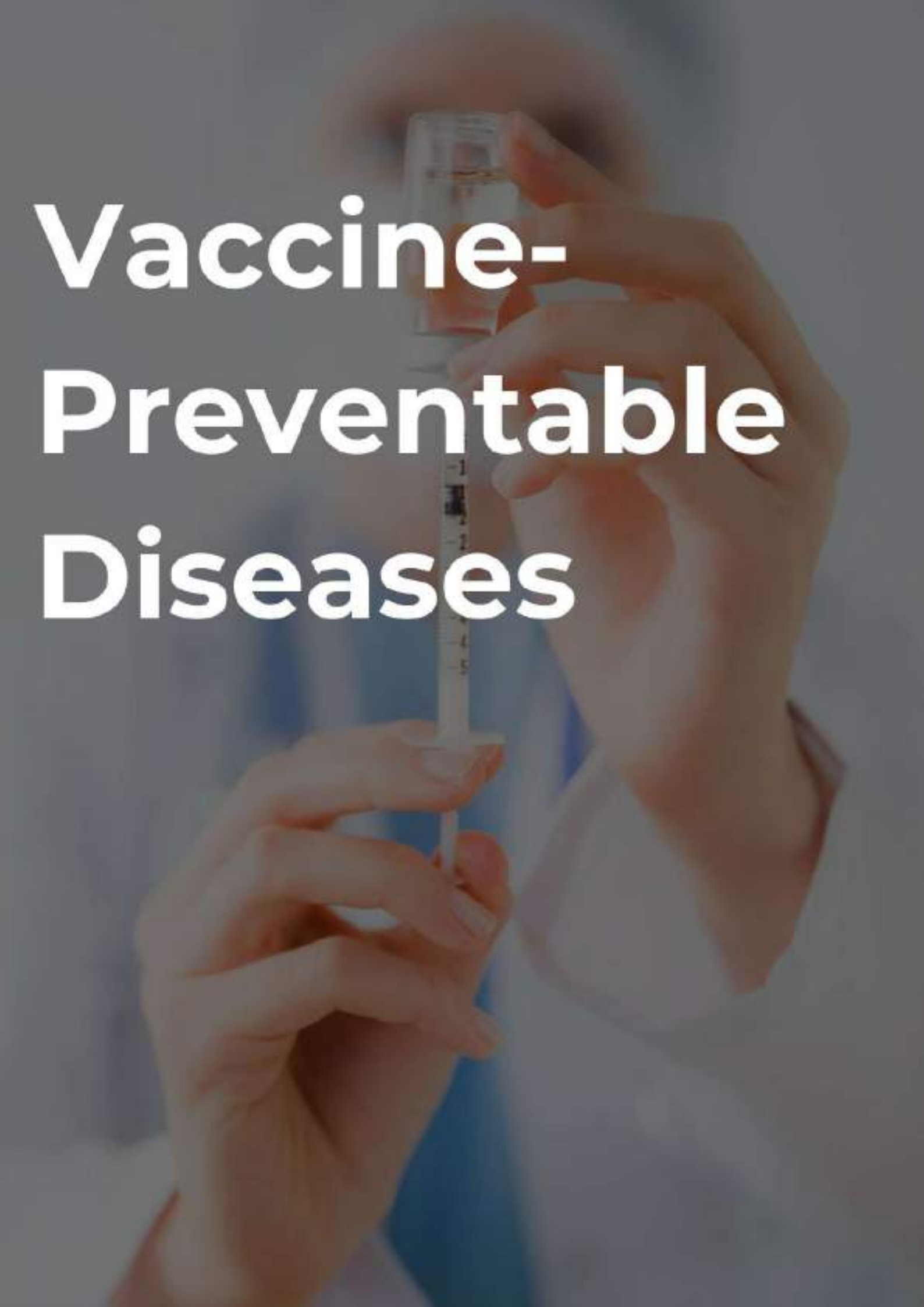
Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Last Week	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 42	102	0	0	0.00%
Indonesia²	Week 42	554,332	15,996	82	0.02%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar³	Week 35	119,489	-	5	0.004%
Philippines	-	-	-	-	-
Singapore⁴	Week 41	28	0	0	0.00%
Thailand⁵	Week 42	3,511	37	3	0.09%
Viet Nam	-	-	-	-	-
Total		677,462	16,033	90	0.01%

Source:

- Cambodia National Malaria Center, accessed October 21, 2025 (<https://mis.cnm.gov.kh/Dashboard>)
- Malaria Cases in Indonesia, accessed October 21, 2025 (<https://malaria.kemkes.go.id/case>)
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health Singapore, accessed October 21, 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 October 21, 2025 (https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOE/views/DSD2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y)

Vaccine- Preventable Diseases

A person wearing a white lab coat is shown from the chest up, holding a 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.

MEASLES

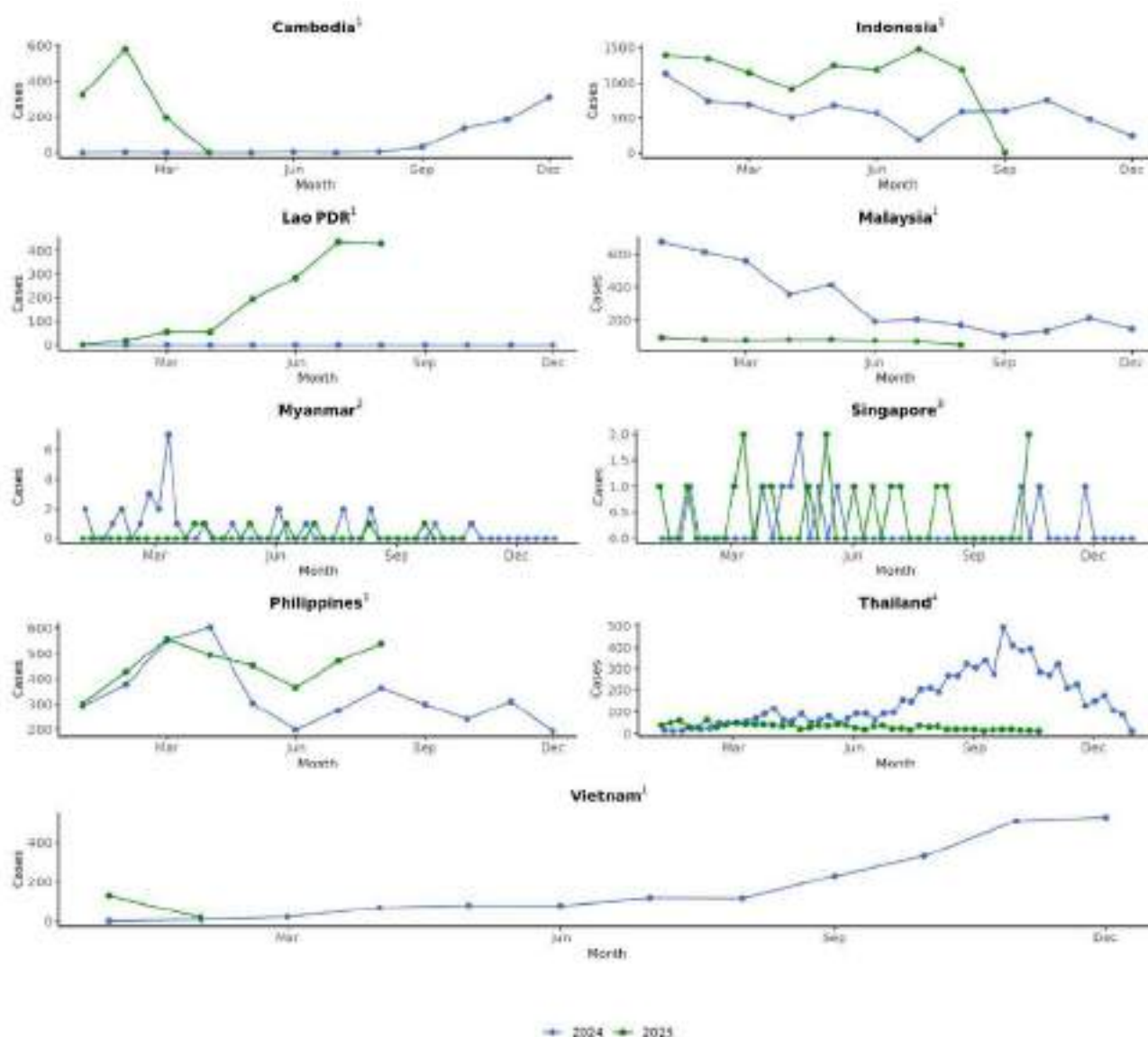
Measles Cases in the ASEAN Region

From December 29, 2024 to October 18, 2025 (Epi-Week 42, 2025)

Key Findings

- The **ASEAN** region reported **13** new measles cases in Epi-week 42, 2025.
- Up to October 18, 2025, the region reported **18,150** total cases with **0%** CFR.
- Mostly measles cases in the ASEAN Region slightly decrease compared to the same period on the previous year.

Trend of Measles cases in the ASEAN region, 2024 – 2025



Source:

- Provisional Measles and Rubella Data, World Health Organization, accessed October 21, 2025 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health Singapore, accessed October 21, 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 October 21, 2025 (<http://doe.moph.go.th/surdata/index.php>)



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