



ASEAN
BIOLOGICAL THREATS
SURVEILLANCE CENTRE

ABC
B
A

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

Editorial

ASEAN SECRETARIAT

Assistant Director and Head of Health Division
Human Development Directorate

ASEAN Socio-Cultural Community Department

Jennifer Frances dela Rosa, MPH, MSc HPPF

Programme Coordinator (Health Security)

Mitigation of Biological Threats (MBT) Programme

Michael Glen, MSSc

EDITORIAL TEAM

Editor-in-Chief

Abdurrahman, MPH

Managing Editor

Aldilas Achmad Nursetyo, MD, MS

Associate Editor

Abdul Haris Ibrahim, MHI

Habibi Rohman Rosyad, MSc

Nindy Fadellah Wulan, MPH

Copy Editor

Ajeng Sekar Pratiwi, A.Md

Dwi Sasongko, A.Md.

Supporting Staff

Svetlana Pratiwi, SKM

Divva Kaamila, S.Tr.Kom

Natasha Alicia Putri, S.Tr.Kom

PUBLISHER

ASEAN Biological Threat Surveillance Centre

Health Policy Agency

Ministry of Health of Indonesia

Jl. Percetakan Negara No. 29 Johar Baru, Central Jakarta, Indonesia 10560

E-mail: support@aseanbiosurveillance.org

Facebook: <https://www.facebook.com/abvc.official/>

Instagram: <https://www.instagram.com/abvc.official/>

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 white protective suit, hood, and mask, holding a black glove. The image is dark and moody, with the text 'Emerging Diseases' overlaid in white.

MPOX

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – October 4, 2025



Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed October 7, 2025, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

Key Findings

- From 1 January 2023 to 4 October 2025, **76,418** confirmed cases worldwide since 2023, including **379** deaths. Globally, the CFR was **0.50 %**.
- **1,649 confirmed cases** including **29 deaths** in the **ASEAN** region, with a CFR of **1.76%**.
- **74,769 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. 4, 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	15	0	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	1,649	0	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 7, 2025 (https://worldhealthorg.shinyapps.io/mpox_global/)
4. Ministry of Health Singapore, accessed October 7, 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. 4, 2025)

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

Source: WHO Mpox Outbreak: Global Trends, accessed October 7, 2025 (https://worldhealthorg.shinyapps.io/mpox_global/)

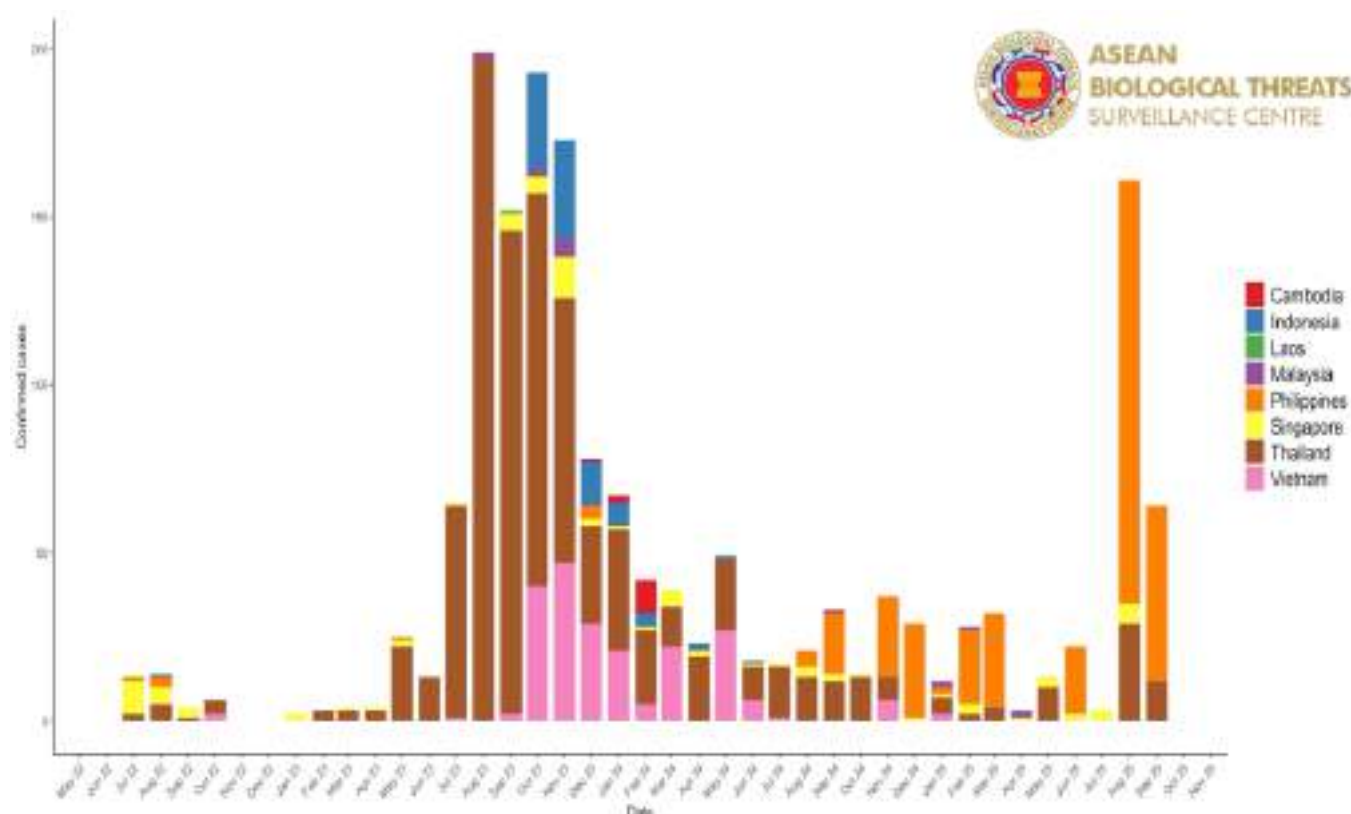
Mpox cases per region (Jan. 1, 2023 to Oct. 4, 2025)

REGIONS	CUMULATIVE CASES 2023-2025	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	48,740	0	210	0.43%
AMERICAS	12,831	0	102	0.79%
ASEAN	1,649	0	29	1.76%
ASIA & OCEANIA	8,313	0	33	0.40%
EUROPE	4,885	0	5	0.10%
TOTAL	76,418	0	379	0.50%

Source: WHO Mpox Outbreak: Global Trends, accessed October 7, 2025 (https://worldhealthorg.shinyapps.io/mpox_global/)

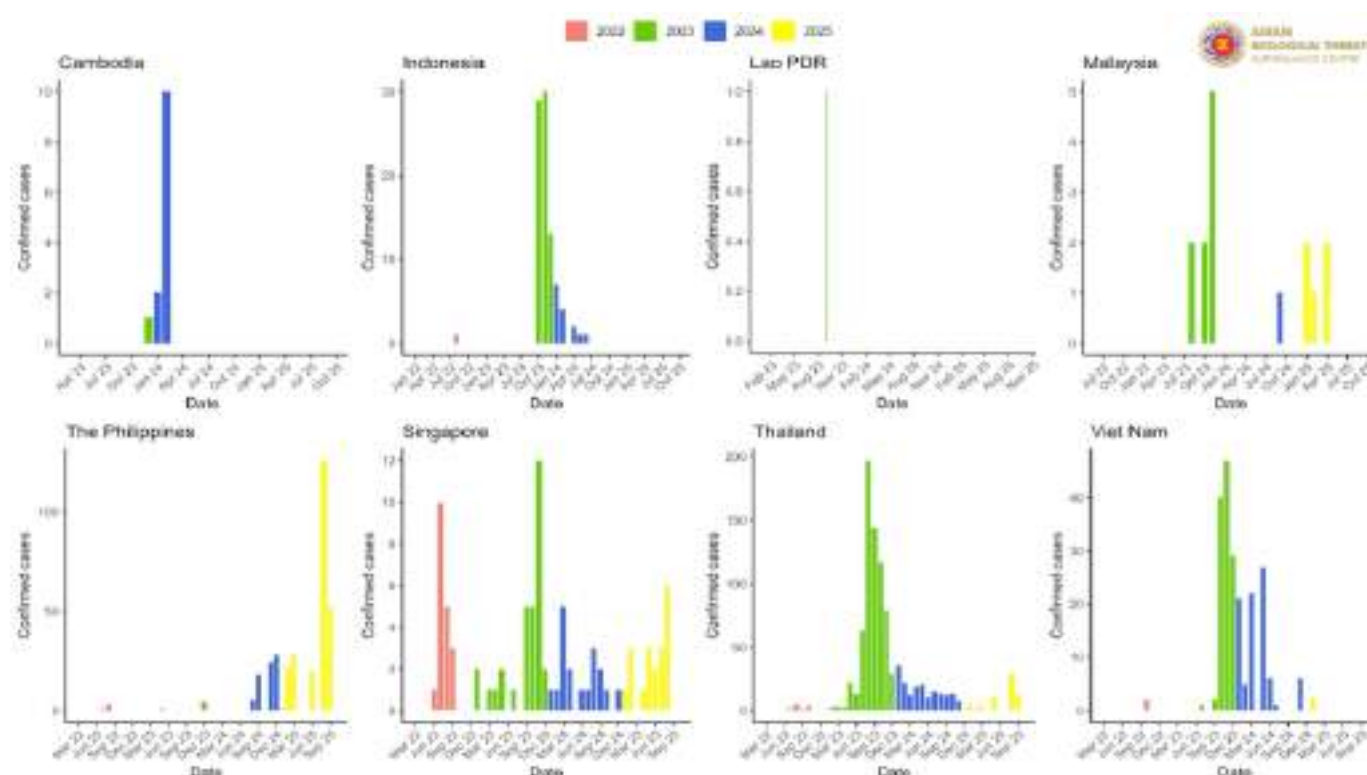
Trend of Mpox Confirmed Cases in the ASEAN Region

January 1, 2022 to October 4, 2025



Source: Our World in Data, accessed on October 7, 2025 (<https://ourworldindata.org/monkeypox>)

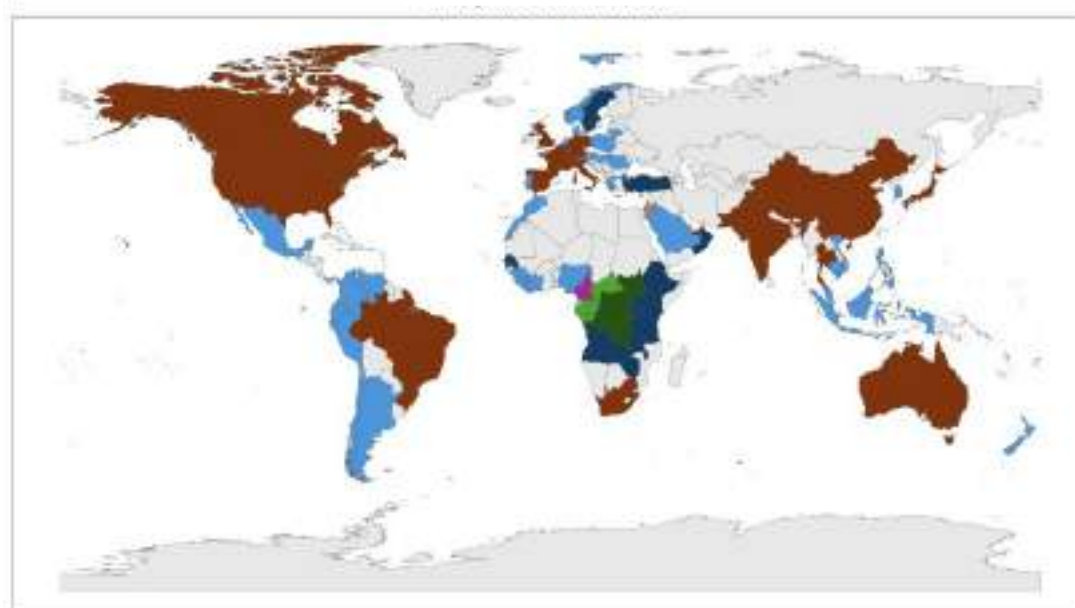
Trend of Mpox Confirmed Cases among ASEAN Member States January 1, 2022 to October 4, 2025



Source: Our World in Data, accessed on October 7, 2025 (<https://ourworldindata.org/monkeypox>)

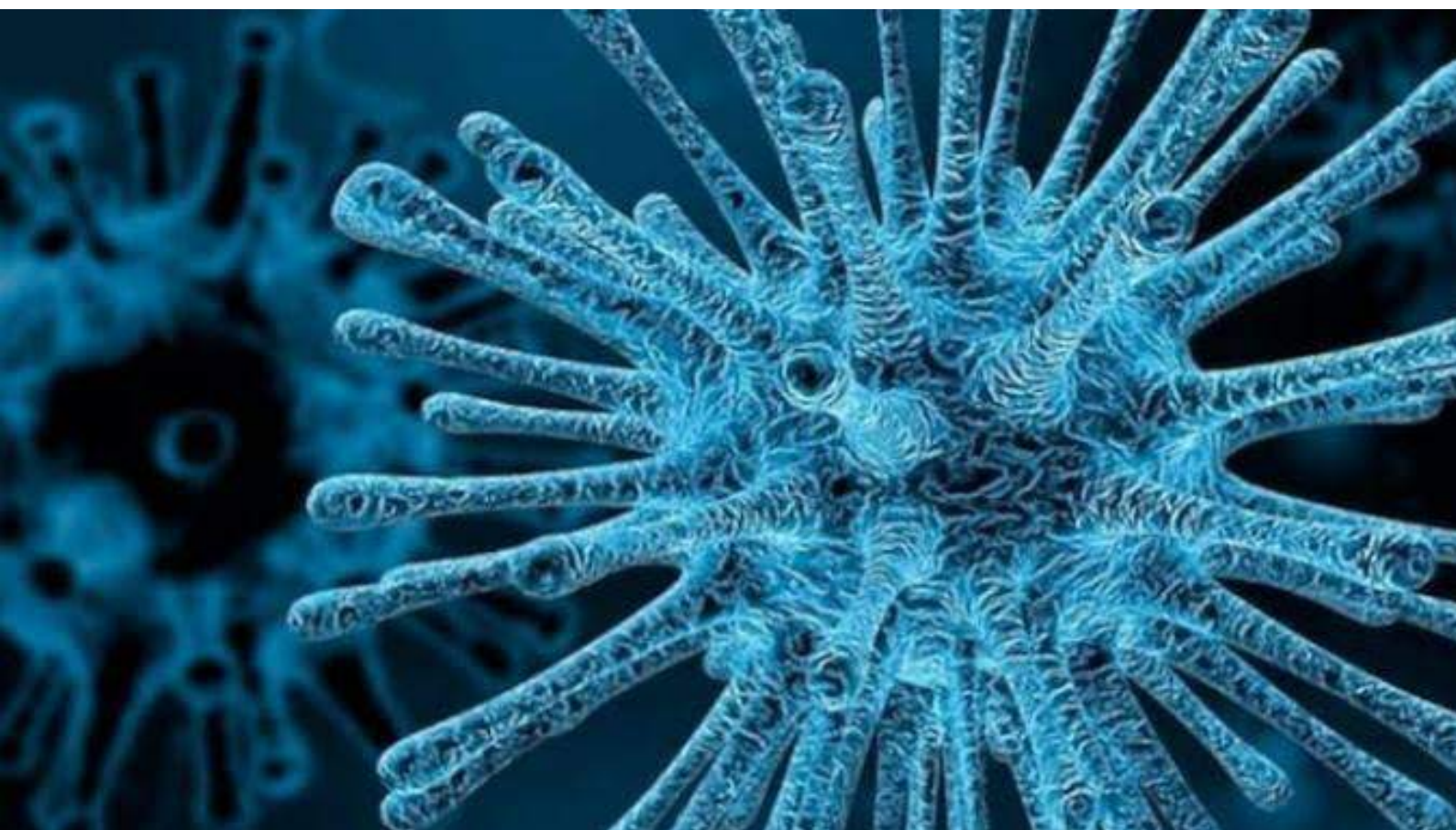
Distribution of Mpox Variants in The Global As of October 4, 2025

Distribution of Mpox Variant (Clade) in The Global



Source: GISAID and WHO

Distribution of Mpox Variant (Clade) in the ASEAN and Neighbouring Countries and Areas As of October 4, 2025



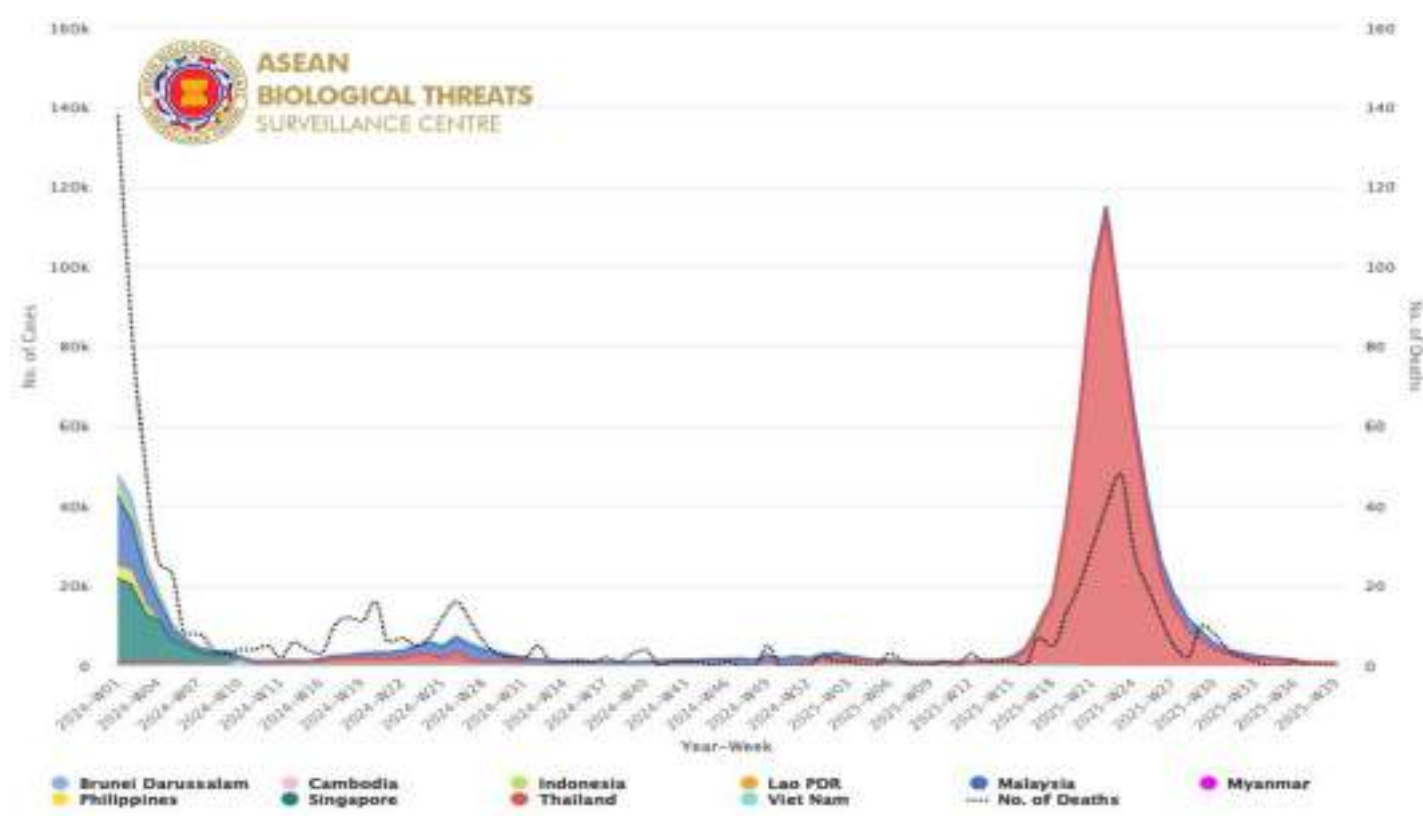
COVID-19

Key Findings

- As of 4 October 2025 (5PM, GMT+7), there were **778,523,540** confirmed cases **worldwide**, including **7,101,008 deaths**. Globally, the Case Fatality Rate (CFR) was **0.91%**.
- 37,746,180 total confirmed cases** of COVID-19 have been reported in the **ASEAN Region**.
- The CFR in the **ASEAN Region** was **0.98%**.
- In September 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 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 4, 2025



Sources: [Singapore Government](#), [MOH Indonesia](#), [MOH Cambodia](#), [DDC Thailand](#), [MOH Myanmar](#), [MOH Malaysia](#), and [WHO](#) accessed on October 7, 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 40.
- The latest updated of COVID-19 cases were reported low by ASEAN Member States. Out of 10, only four countries have reported new cases this week.

COVID-19 Variants Frequencies Among the ASEAN Member States

As of September 2025

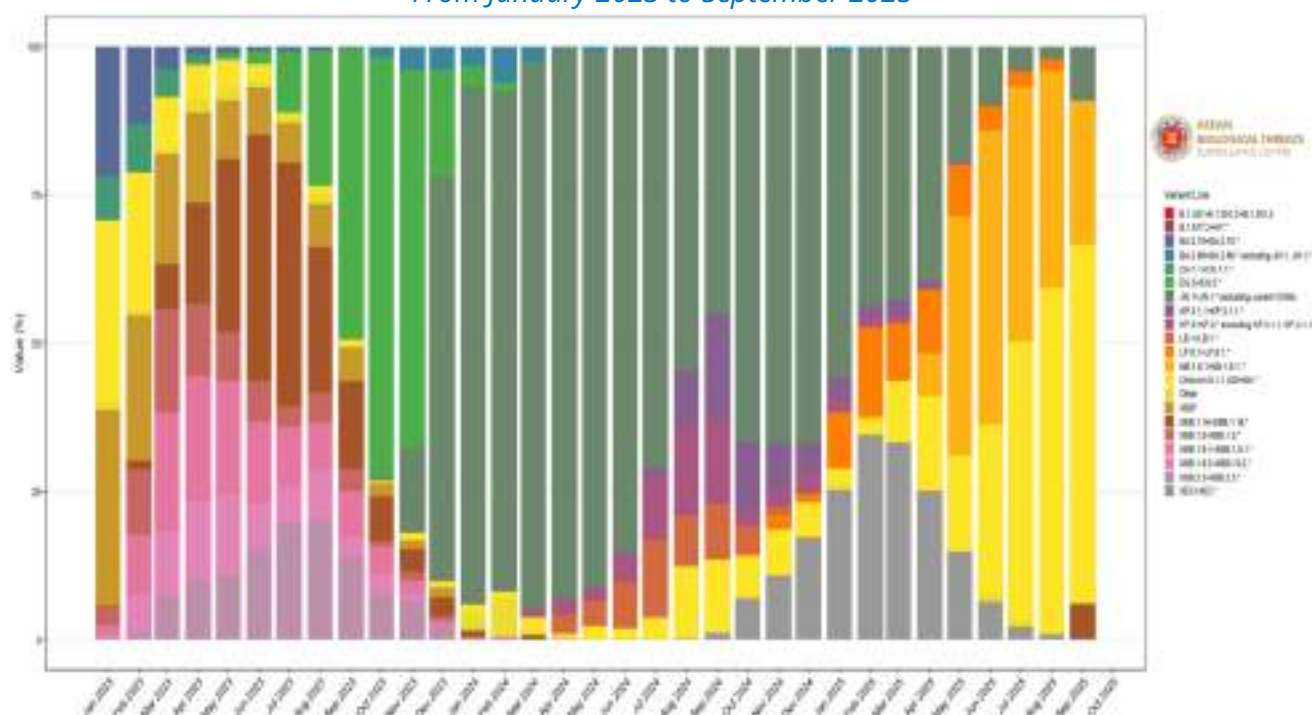


Source: GISAIID. "hCoV-19 Variants Dashboard," accessed October 7, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

In September 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 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 September 2025



Source: GISAID. "hCoV-19 Variants Dashboard." accessed October 7, 2025. <https://gisaid.org/hcov-19-variants-dashboard/>

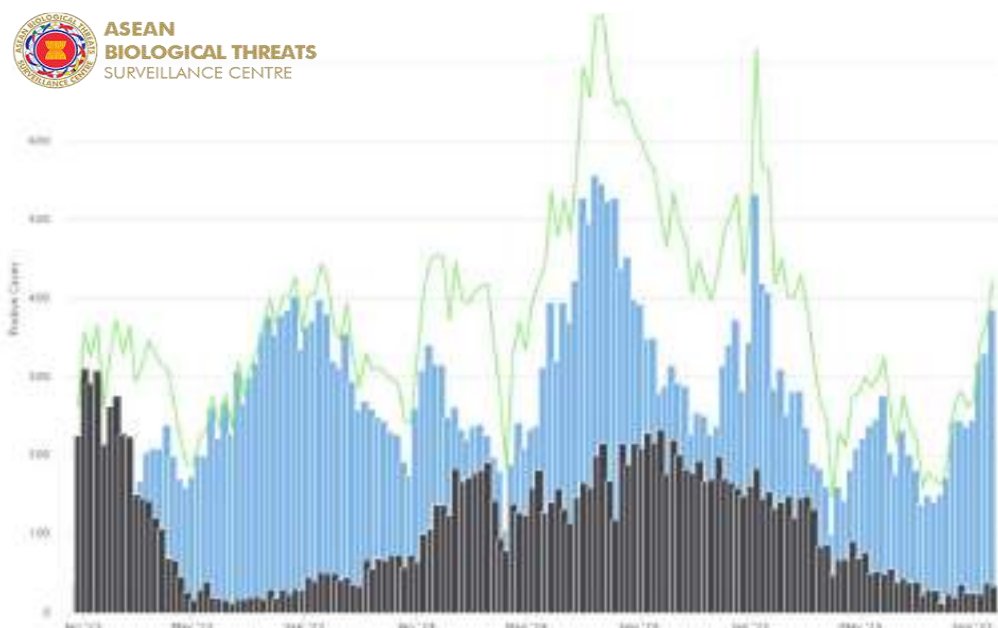
INFLUENZA

Key Findings

- Recently, most influenza cases among ASEAN Member States had remained low.
- While 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

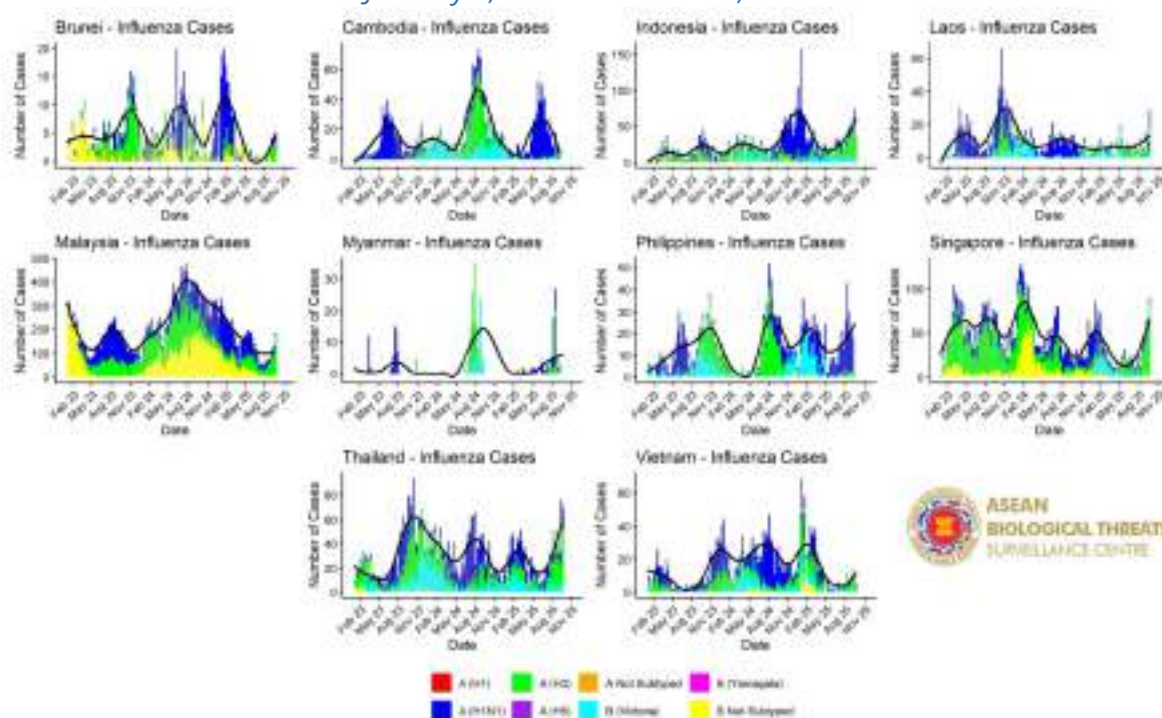
From January 1, 2023 to October 4, 2025



Source: WHO FluNet, accessed on October 7, 2025 (<https://www.who.int/tools/fluinet>)

Trend of Influenza Cases among ASEAN Member States

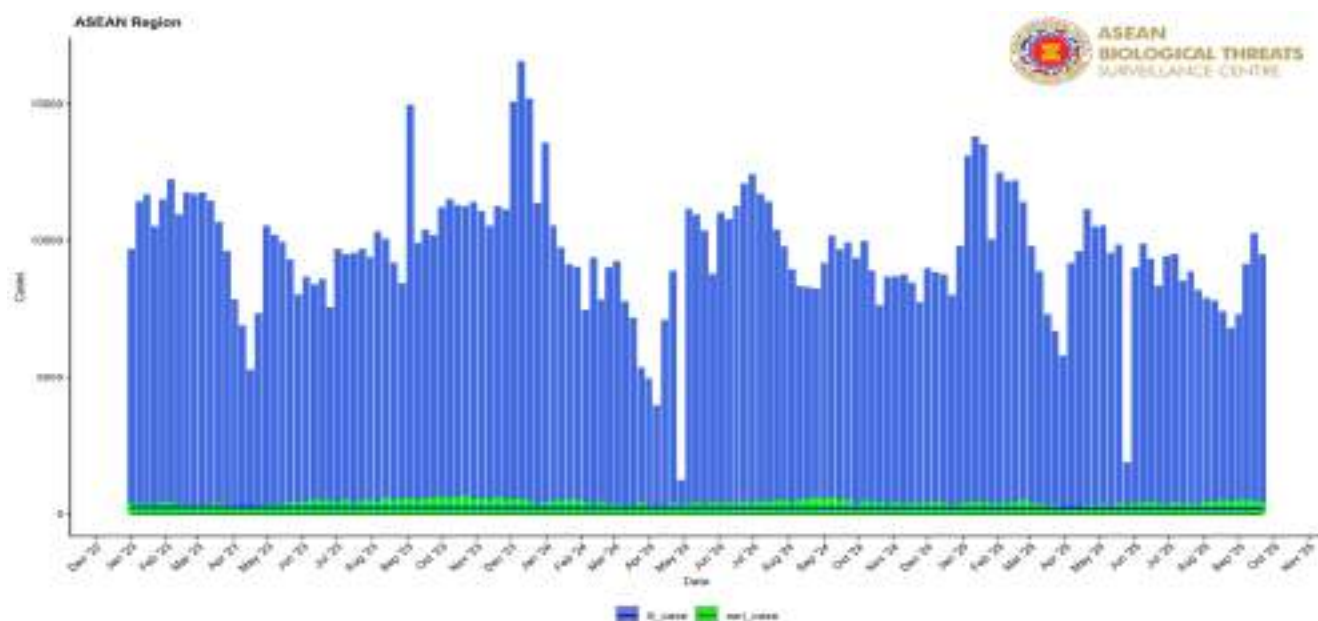
January 1, 2023 to October 4, 2025



Source: WHO FluNet, accessed on October 7, 2025 (<https://www.who.int/tools/fluinet>)

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

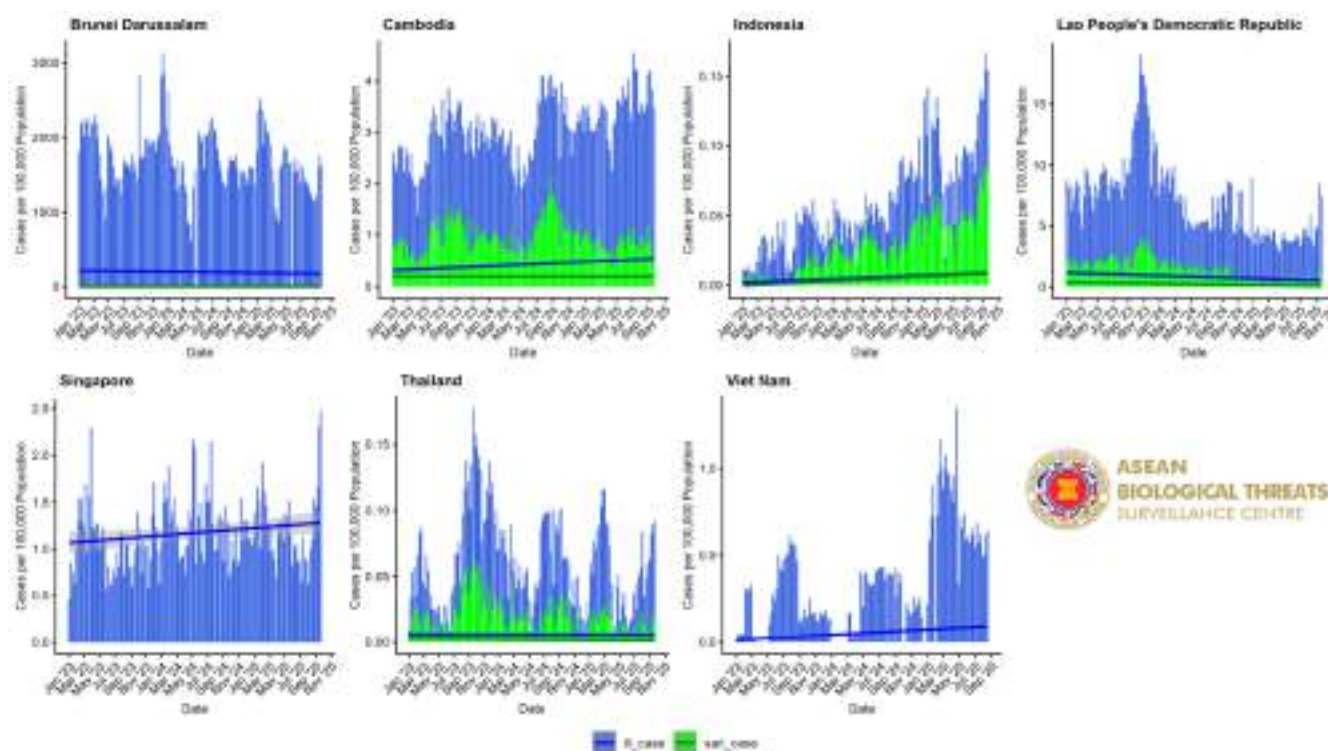
January 1, 2023 to October 4, 2025



Source: WHO FluID, accessed October 7, 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 4, 2025



Source: WHO FluID, accessed October 7, 2025 (<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs>)

Zoonosis



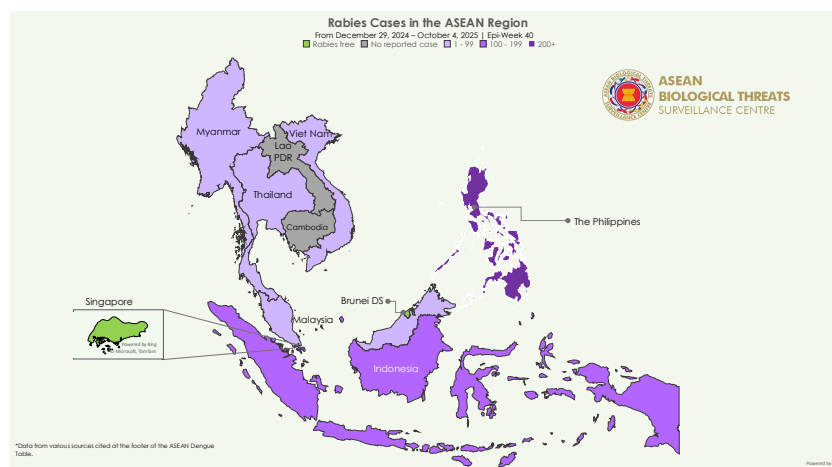
RABIES

Rabies Cases in the ASEAN Region

From December 29, 2024 to October 4, 2025 (Epi-Week 40, 2025)

Key Findings

- The **ASEAN** region reported **six** new rabies cases in Epiweek 40, 2025.
- Up to October 4, 2025, the region reported **483** 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 40	127	3	127	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 39	4	-	4	100%
Myanmar³	Week 40	92	3	92	100%
Philippines²	Week 31	211	-	211	100%
Singapore		Rabies-free country			
Thailand²	Week 29	7	-	7	100%
Viet Nam²	Week 29	42	-	42	100%
Total		483	6	483	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	-	243	100%

Source:

- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed October 7, 2025 (<https://portal.bluedot.global/>)
- Department of Public Health, Ministry of Health, Myanmar
- World Organization for Animal Health (WOAH), accessed October 7, 2025 (<https://wahis.woah.org/#/event-management>)

Vector-Borne Diseases



DENGUE

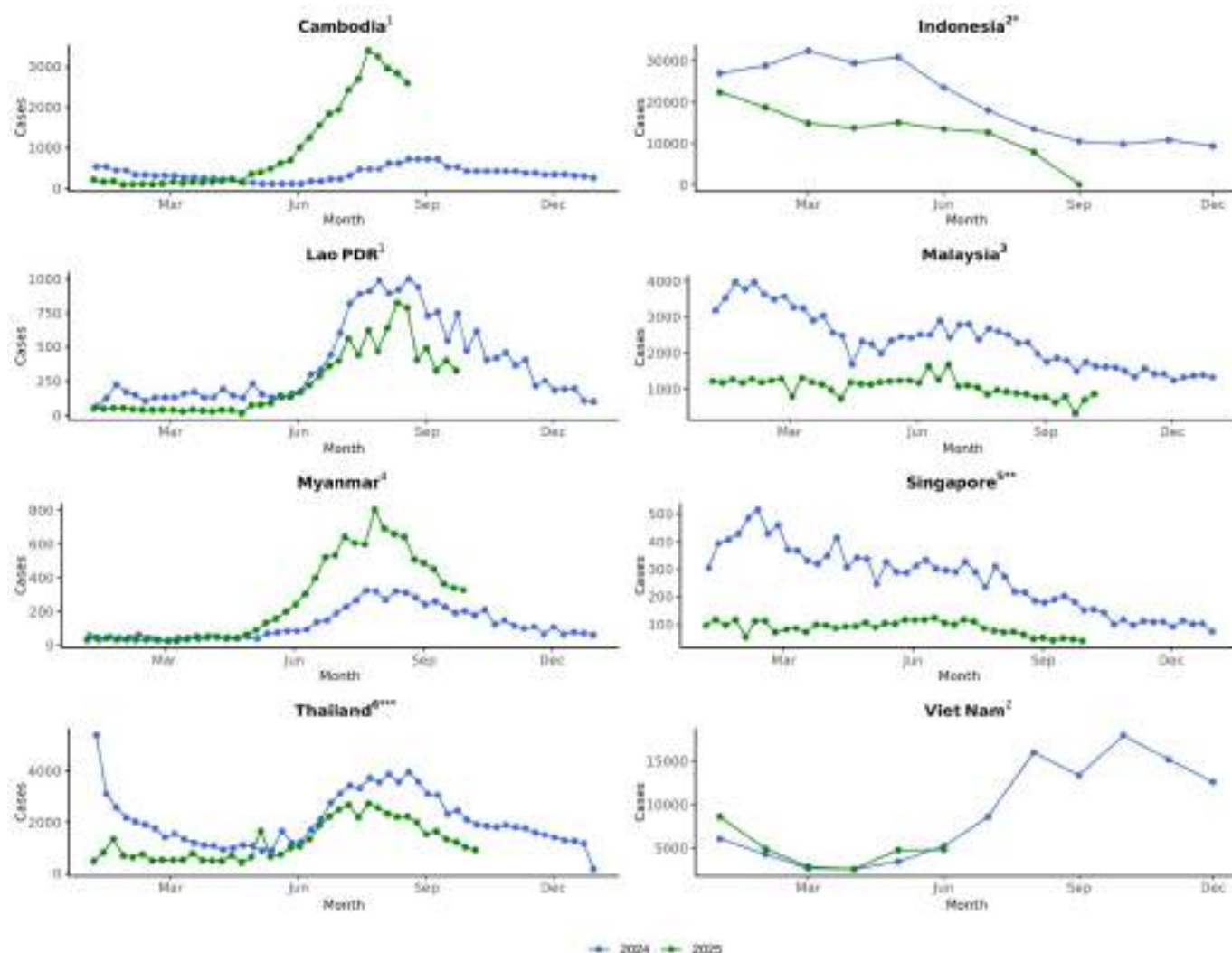
Dengue Cases in the ASEAN Region

From December 29, 2024 to October 4, 2025 (Epi-Week 40, 2025)

Key Findings

- The **ASEAN** region reported **13,338** new dengue cases in Epiweek 40, 2025.
- Up to October 4, 2025, the region reported **360,938** total cases and **686** total deaths with **0.19% 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 7, 2025 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
- WHO Global Dengue Surveillance, accessed October 7, 2025 (https://worldhealthorg.shinyapps.io/dengue_global/).
- Portal Rasmi iDengue untuk Komuniti, accessed October 7, 2025 (<https://idengue.mysa.gov.my/>).
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health. "Weekly Infectious Disease Bulletin", accessed October 7, 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 7, 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

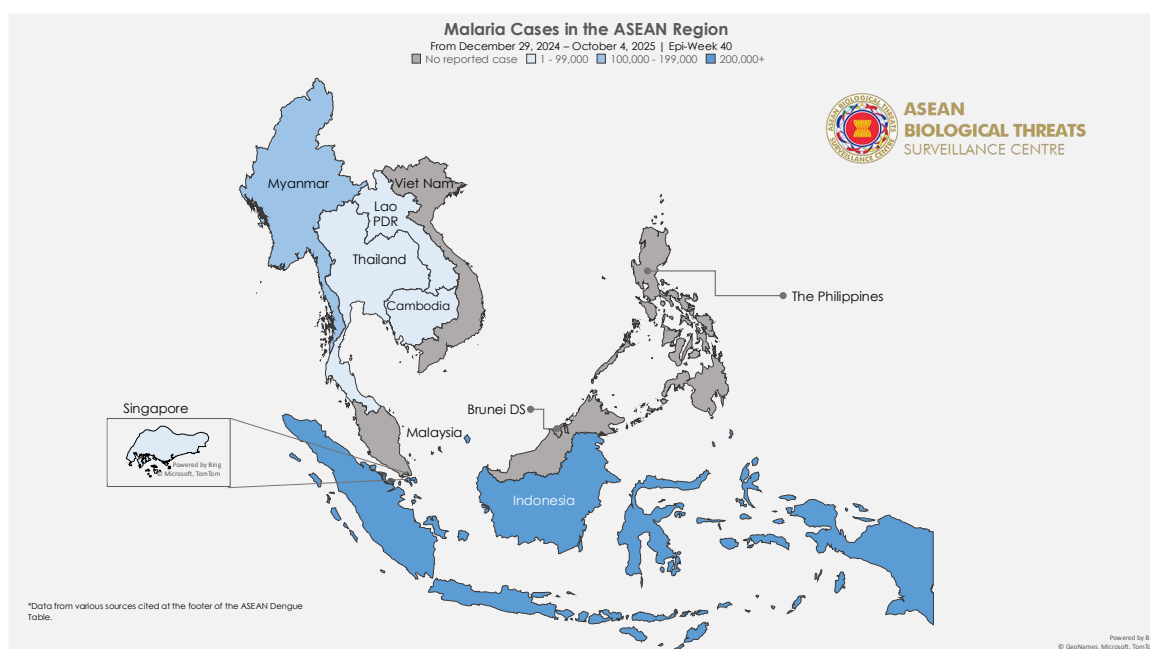
MALARIA

Malaria Cases in the ASEAN Region

From December 29, 2024 to October 4, 2025 (Epi-Week 40, 2025)

Key Findings

- The **ASEAN** region reported **28,706** new malaria cases in Epiweek 40, 2025.
- Up to October 4, 2025, the region reported **645,627** total cases and **86** deaths with **0.01%** CFR.

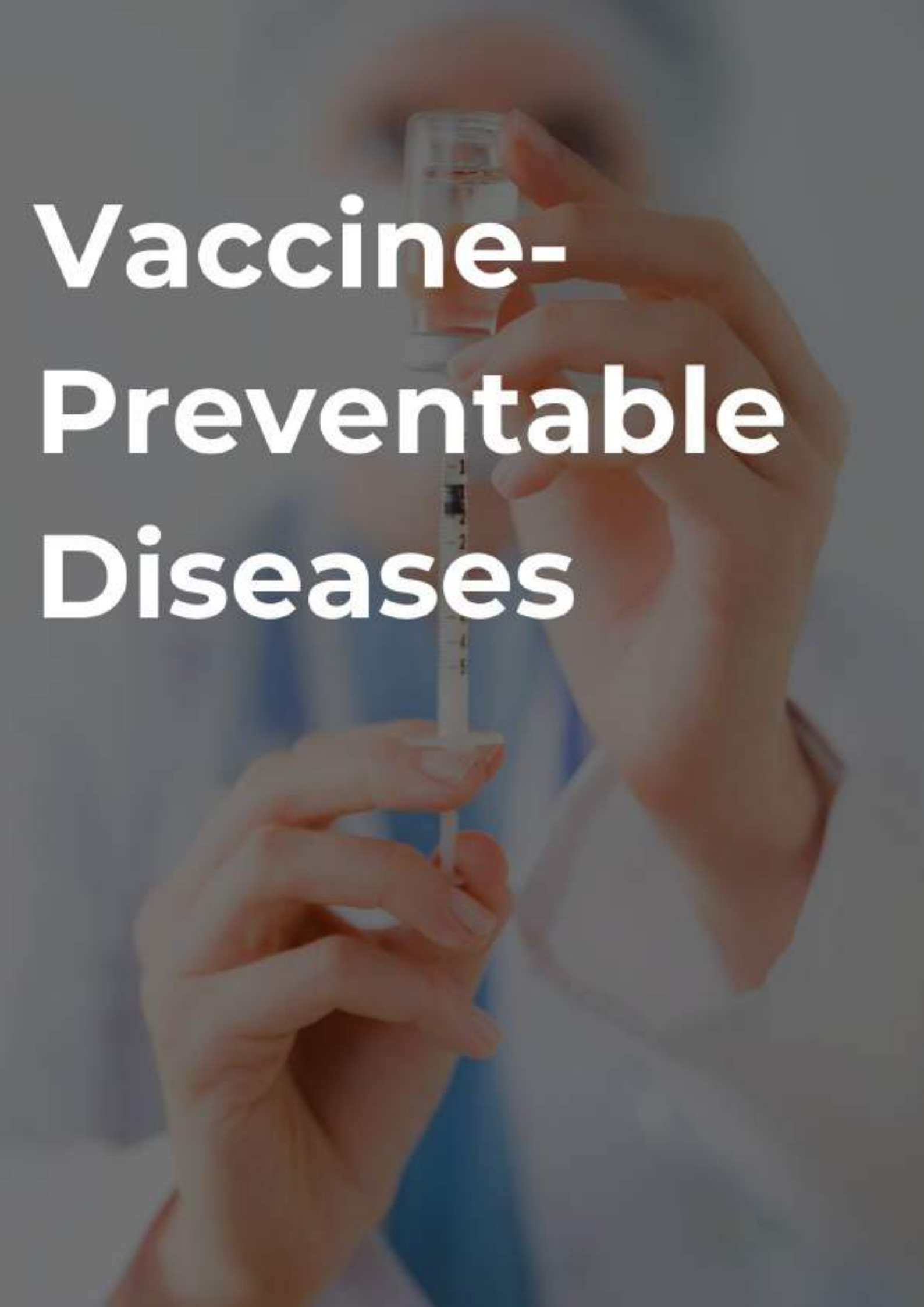


Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Last Week	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 40	100	2	0	0.00%
Indonesia²	Week 40	522,584	19,231	78	0.01%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar³	Week 35	119,489	9,420	5	0.004%
Philippines	-	-	-	-	-
Singapore⁴	Week 39	28	0	0	0.00%
Thailand⁵	Week 40	3,426	53	3	0.09%
Viet Nam	-	-	-	-	-
Total		645,627	28,706	86	0.01%

Source:

- Cambodia National Malaria Center, accessed October 7, 2025 (<https://mis.cnm.gov.kh/Dashboard>)
- Malaria Cases in Indonesia, accessed October 7 2025 (<https://malaria.kemkes.go.id/case>)
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health Singapore, accessed October 7, 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 7, 2025 (https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOE/views/DSD2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y)

A close-up photograph of a person wearing a white lab coat, using a syringe to draw liquid from a small glass vial. The person's hands are visible, and the background is blurred. The image has a semi-transparent dark overlay.

Vaccine- Preventable Diseases

MEASLES

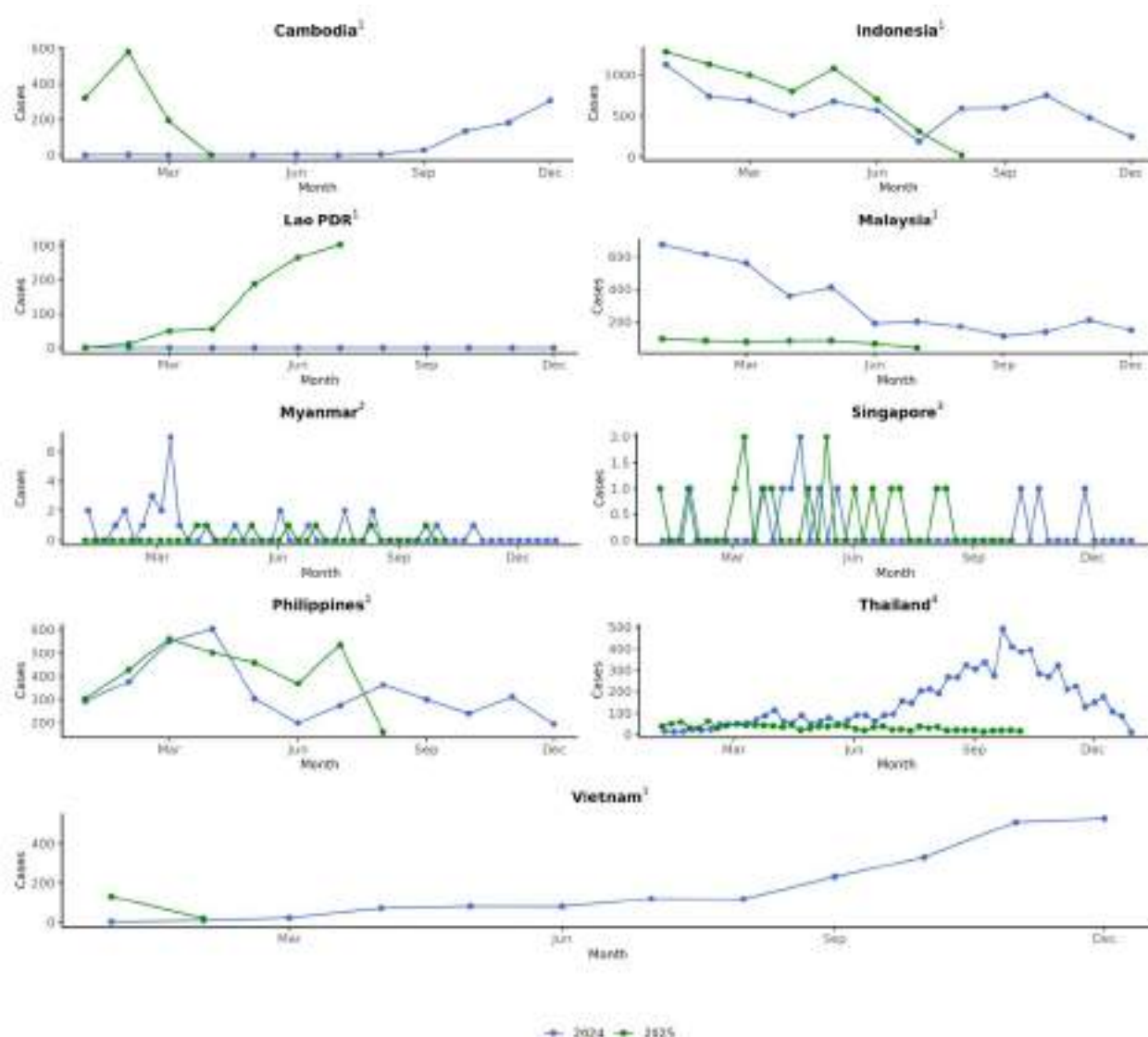
Measles Cases in the ASEAN Region

From December 29, 2024 to October 4, 2025 (Epi-Week 40, 2025)

Key Findings

- The **ASEAN** region reported **16** new measles cases in Epiweek 40, 2025.
- Up to October 4, 2025, the region reported **13,576** 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 7, 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 7, 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 7, 2025 (<http://doe.moph.go.th/surdata/index.php>)



**ASEAN
BIOLOGICAL THREATS
SURVEILLANCE CENTRE**

Support generated by
ASEAN BIOLOGICAL THREATS SURVEILLANCE CENTRE

Email: support@biothreats.org
Facebook: [abtc_official](#)
Instagram: [abtc_official](#)