



ASEAN
BIOLOGICAL THREATS
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Morbidity and Mortality Weekly Report (MMWR)

Infectious & Emerging Diseases
in the ASEAN Region

With Support by:



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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Emerging Diseases

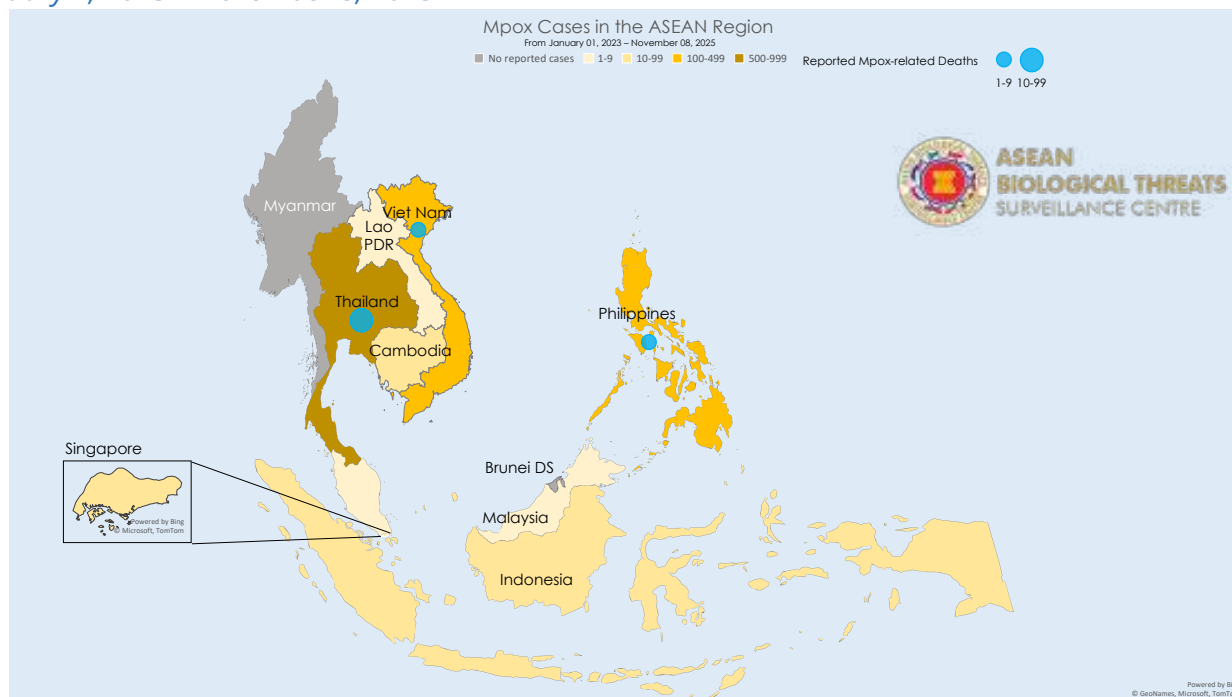
A person wearing a full-body white protective suit, including a hood and a face mask. They are also wearing black gloves. The person is holding a small, dark object in their gloved hand. The background is blurred, suggesting an indoor setting.



MPOX

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – November 8, 2025



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 November 11, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed November 11, 2025, <https://www.cda.gov.sg/resources/weekly-infectious-diseases-bulletin-2025/>

Key Findings

- From 1 January 2023 to 8 November 2025, **81,954** confirmed cases worldwide since 2023, including **394** deaths. Globally, the CFR was **0.48 %**.
- **1,676 confirmed cases** including **29 deaths** in the **ASEAN** region, with a CFR of **1.73%**.
- **80,278 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 Nov. 8, 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	0	0	0	0.00%
Philippines³	330	0	7	0	2.12%
Singapore⁴	64	2	0	0	0.00%
Thailand³	948	0	13	0	1.37%
Vietnam³	209	0	9	0	4.31%
ASEAN Total	1,676	2	29	0	1.73%

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 November 11, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed November 11, 2025, <https://www.cda.gov.sg/resources/weekly-infectious-diseases-bulletin-2025/>



Top 5 countries with the most mpox cases globally (Jan. 1, 2023 to Nov. 8, 2025)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Democratic Republic of Congo	30,615	0	75	0.24%
Uganda	8,209	0	50	0.61%
United States of America	5,497	0	10	0.18%
Sierra Leone	5,345	0	56	1.05%
Burundi	4,483	0	1	0.02%

Source: WHO Mpox Outbreak: Global Trends, accessed November 11, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

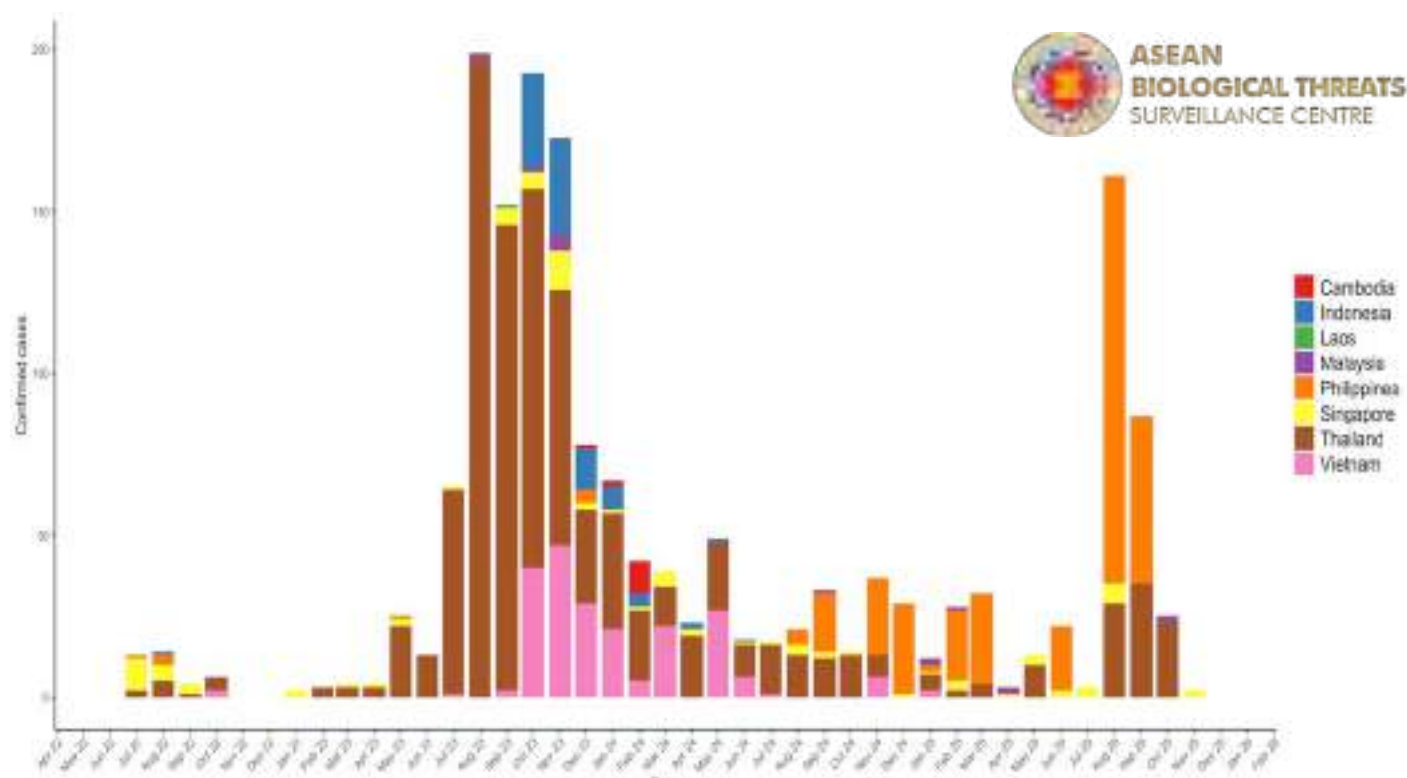
Mpox cases per region (Jan. 1, 2023 to Nov. 8, 2025)

REGIONS	CUMULATIVE CASES 2023-2025	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	53,758	39	225	0.42%
AMERICAS	13,073	3	102	0.78%
ASEAN	1,676	2	29	1.73%
ASIA & OCEANIA	8,330	0	33	0.40%
EUROPE	5,117	0	5	0.10%
TOTAL	81,954	44	394	0.48%

Source: WHO Mpox Outbreak: Global Trends, accessed November 11, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

Trend of Mpox Confirmed Cases in the ASEAN Region

January 1, 2022 to November 8, 2025

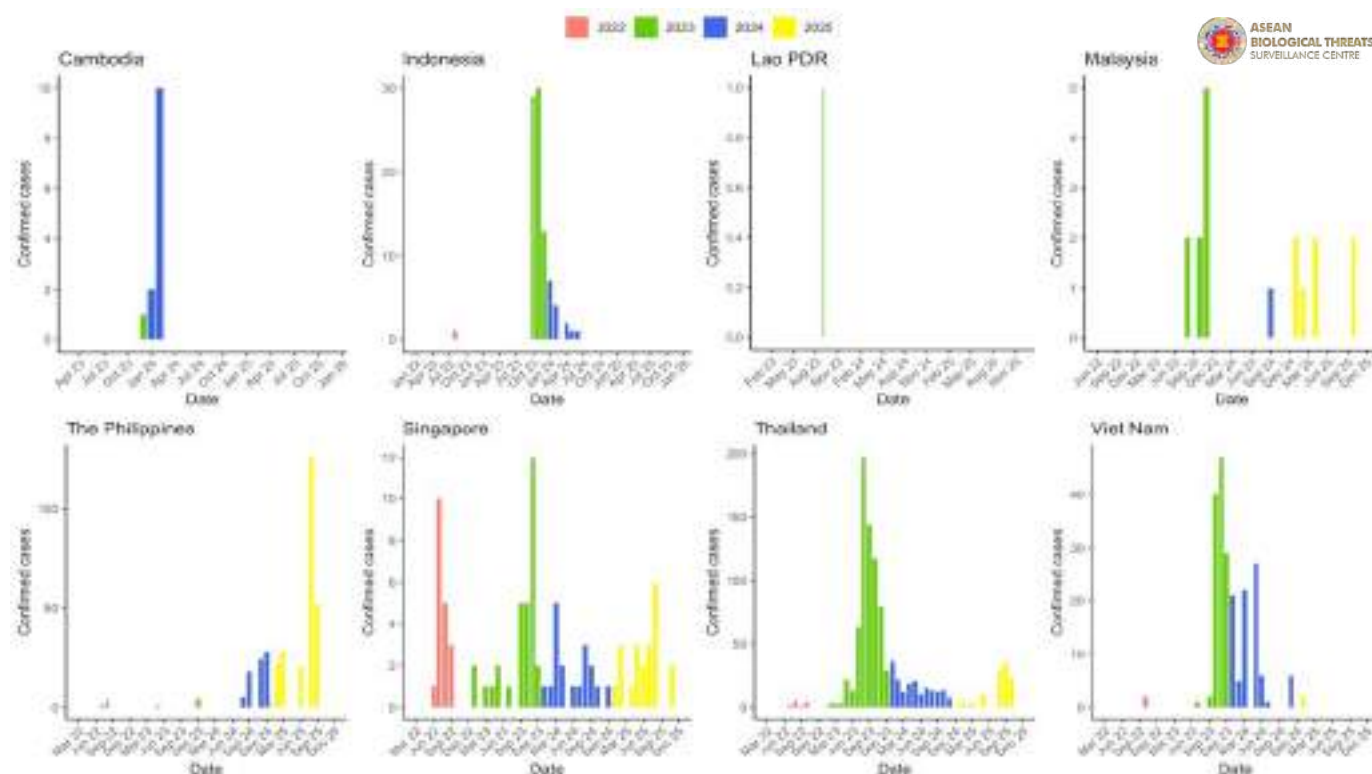


Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia (<https://infeksiemerging.kemkes.go.id>)
3. WHO Mpox Outbreak: Global Trends, accessed November 11, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed November 11, 2025, <https://www.cda.gov.sg/resources/weekly-infectious-diseases-bulletin-2025/>

Trend of Mpox Confirmed Cases among ASEAN Member States

January 1, 2022 to November 8, 2025

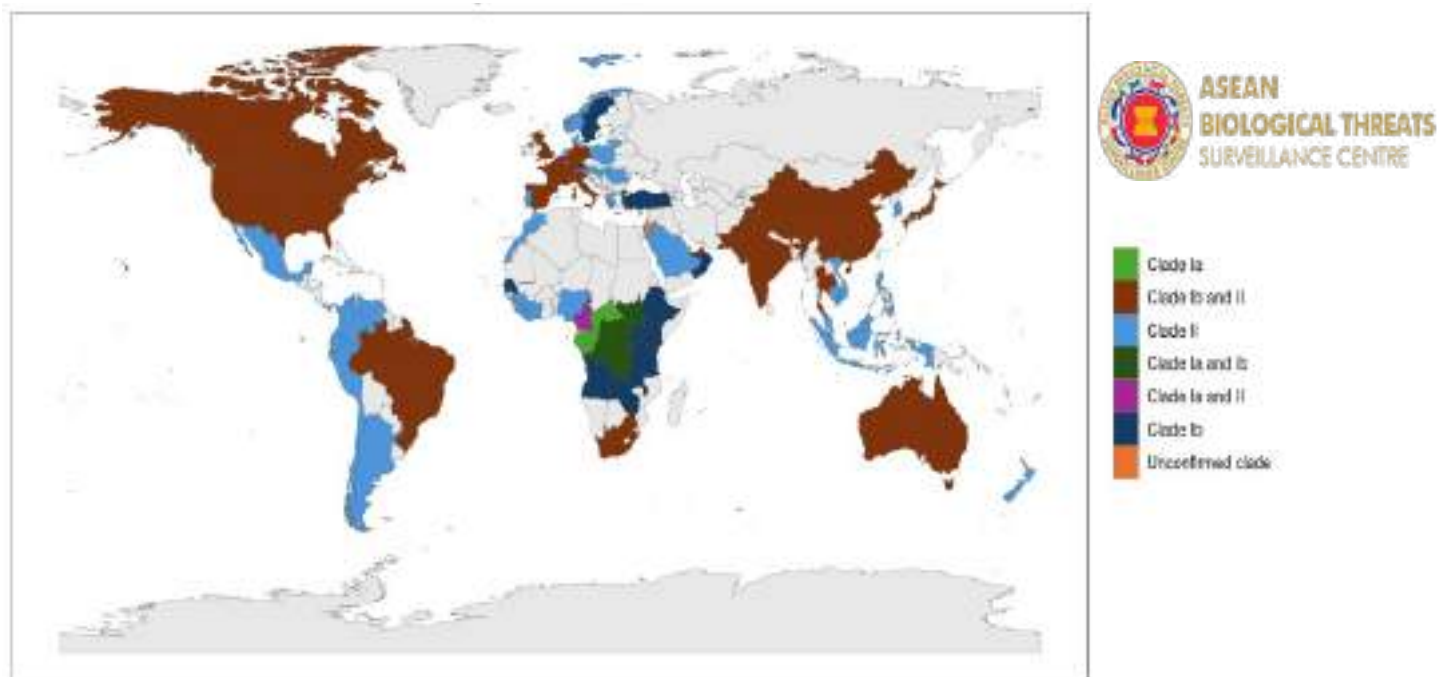


Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia (<https://infeksiemerging.kemkes.go.id>)
3. WHO Mpox Outbreak: Global Trends, accessed November 11, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed November 11, 2025, <https://www.cda.gov.sg/resources/weekly-infectious-diseases-bulletin-2025/>

Distribution of Mpox Variants in The Global

As of November 8, 2025



Source: GISAID and WHO

Distribution of Mpox Variant in the ASEAN and Neighbouring Countries and Areas As of November 8, 2025



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 November 11, 2025 (https://worldhealthorg.shinyapps.io/mpox_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed November 11, 2025, <https://www.cda.gov.sg/resources/weekly-infectious-diseases-bulletin-2025/>



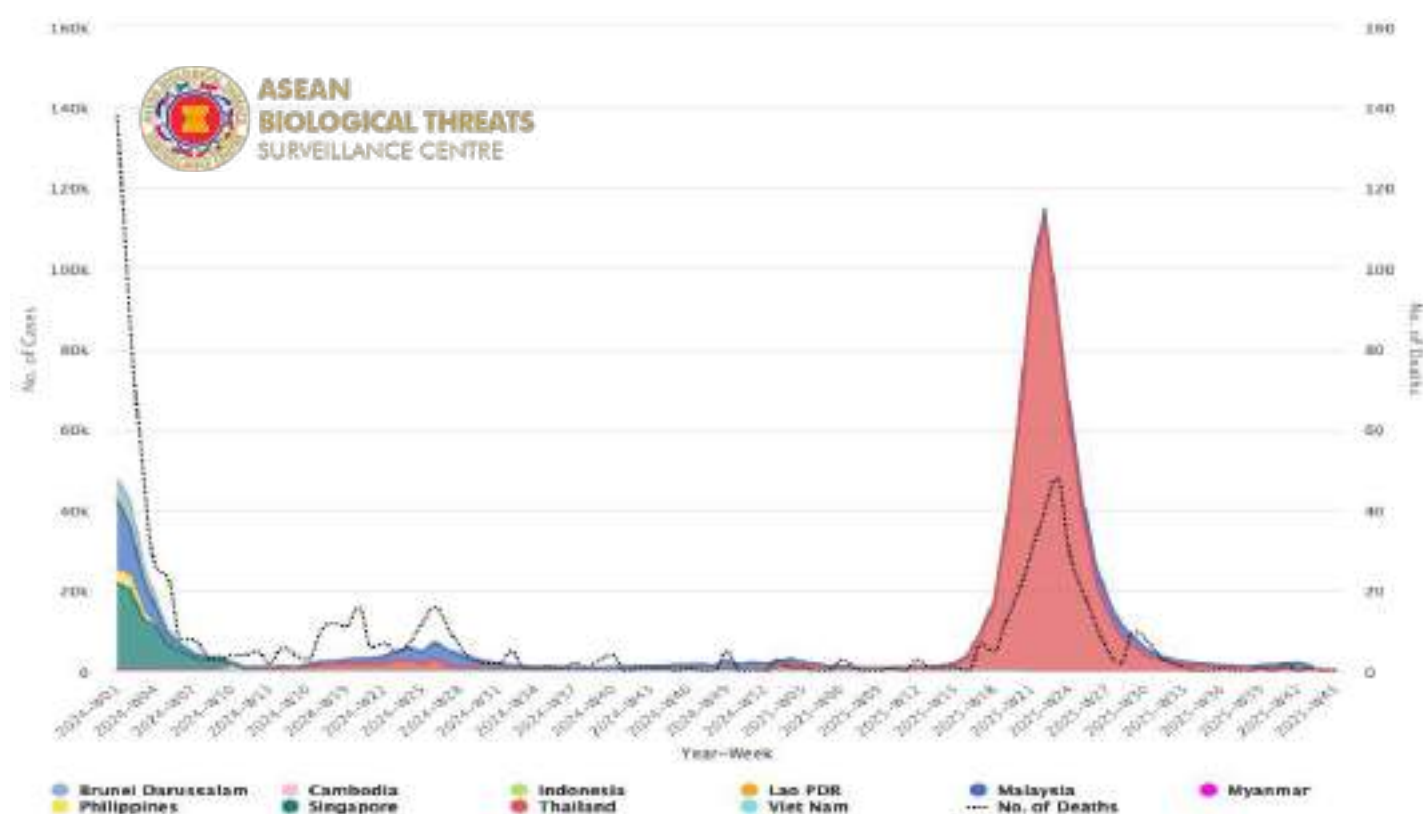
COVID-19

Key Findings

- As of 8 November 2025 (5PM, GMT+7), there were **778,653,1332** confirmed cases **worldwide**, including **7,102,014** deaths. Globally, the Case Fatality Rate (CFR) was **0.91%**.
- 37,756,5021** 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 November 8, 2025



Sources: [Singapore Government](#), [MOH Indonesia](#), [MOH Cambodia](#), [DDC Thailand](#), MOH Myanmar, [MOH Malaysia](#), and [WHO](#) accessed on November 11, 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 45.
- 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

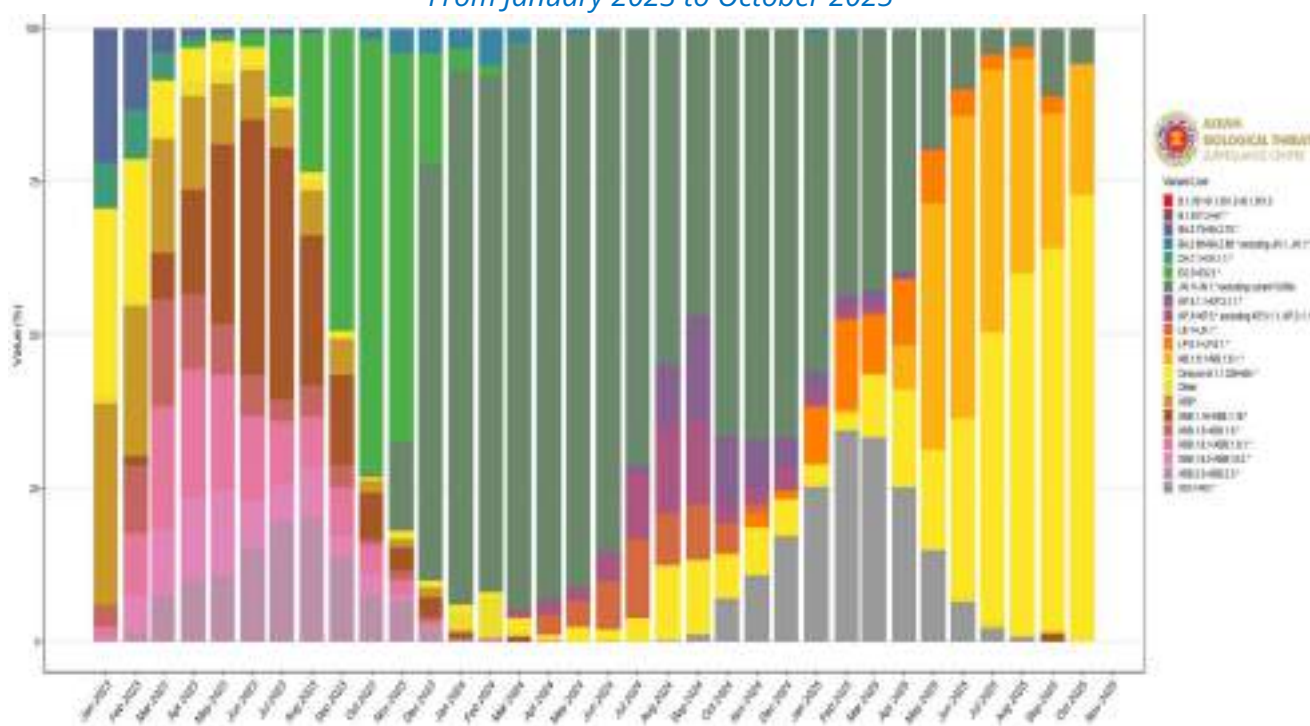


Source: GISAID. "hCoV-19 Variants Dashboard," accessed November 11, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

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 November 11, 2025. <https://gisaid.org/hcov-19-variants-dashboard/>



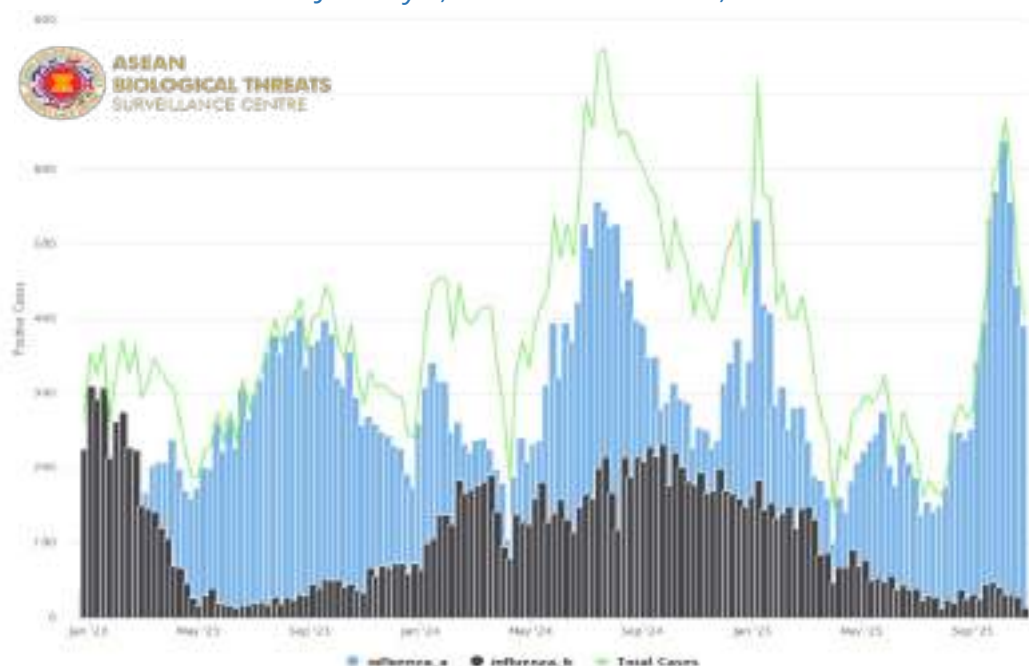
INFLUENZA

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.

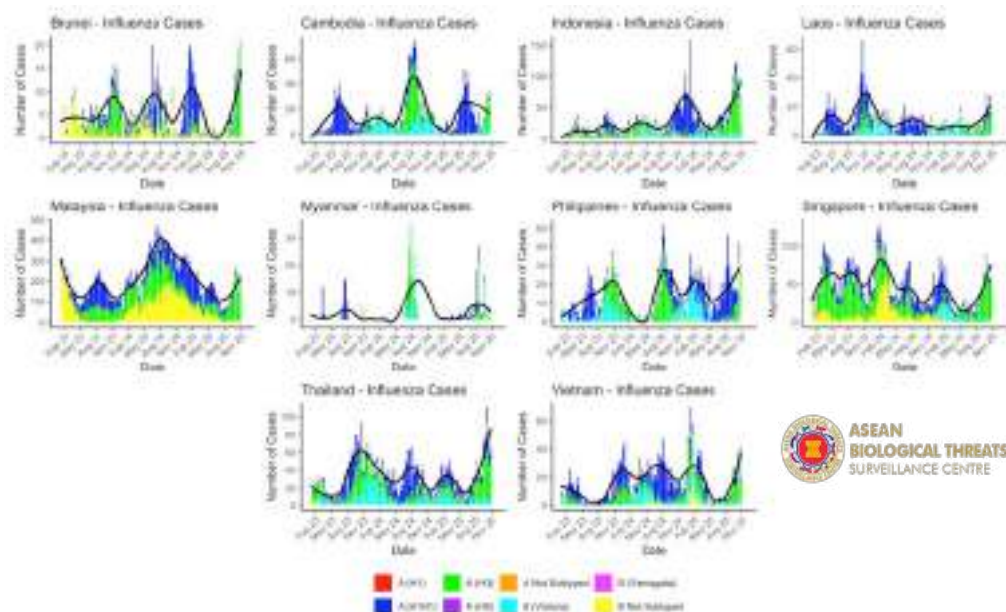
Trends of Influenza Confirmed Cases in the ASEAN region

From January 1, 2023 to November 8, 2025



Trend of Influenza Cases among ASEAN Member States

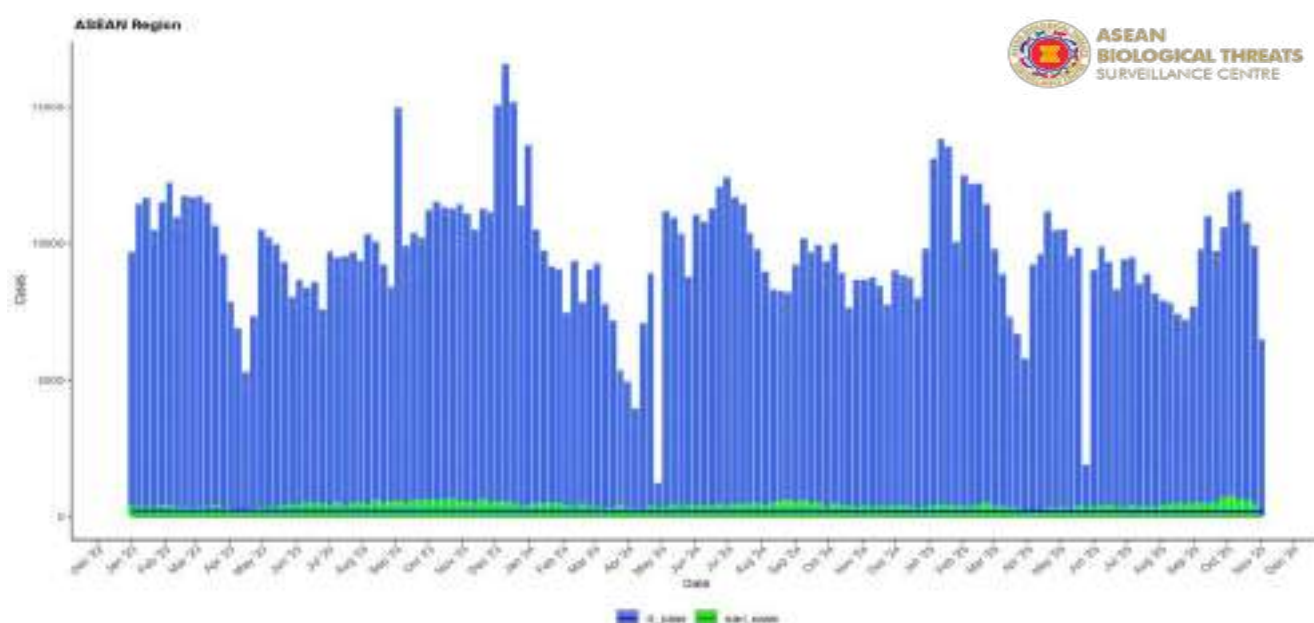
Source: WHO FluNet, accessed on November 11, 2025 (<https://www.who.int/tools/fluNet>)



Source: WHO FluNet, accessed on November 11, 2025 (<https://www.who.int/tools/fluNet>)

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

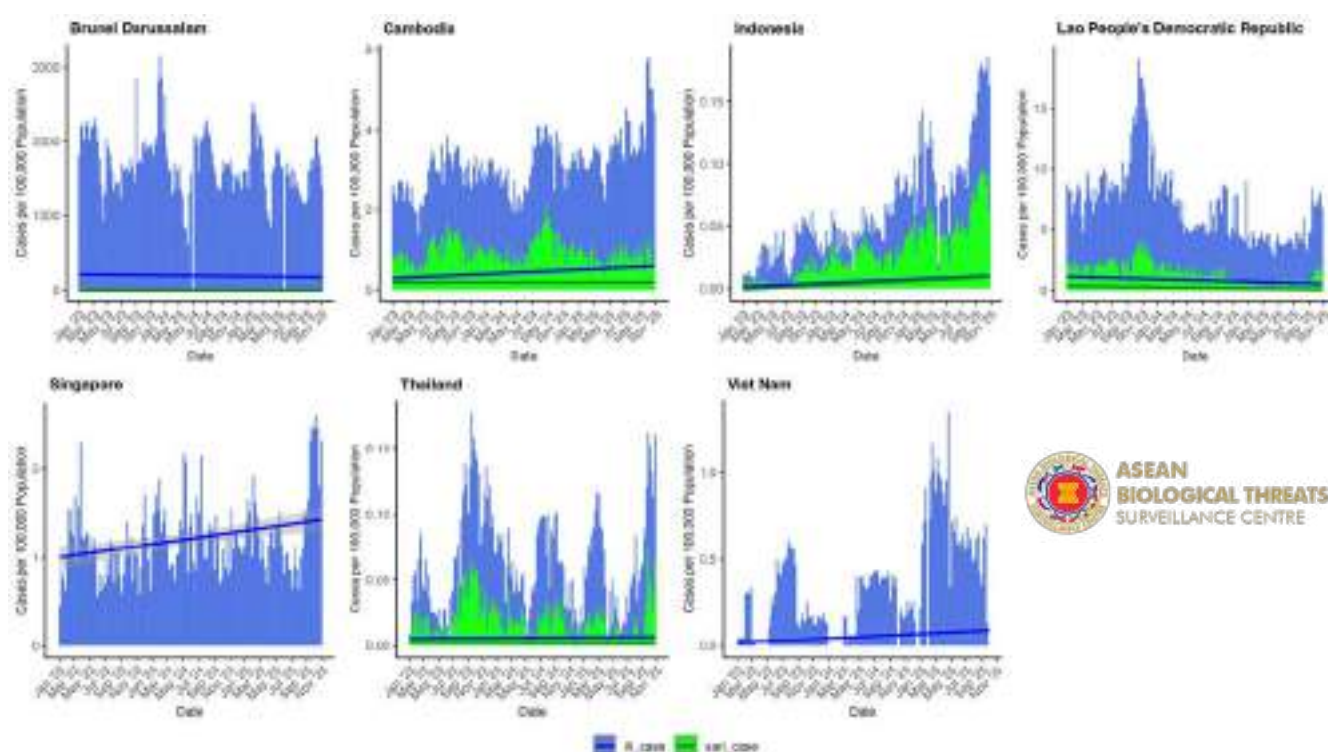
January 1, 2023 to November 8, 2025



Source: WHO FluID, accessed November 11, 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 November 8, 2025



Source: WHO FluID, accessed November 11, 2025 (<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs>)

Zoonosis





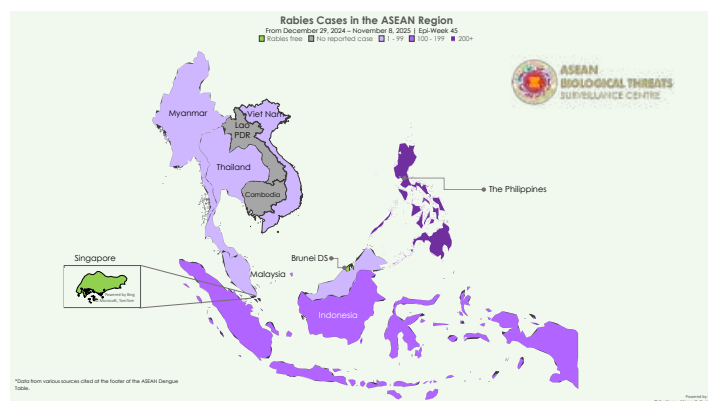
RABIES

Rabies Cases in the ASEAN Region

From December 29, 2024 to November 8, 2025 (Epi-Week 44, 2025)

Key Findings

- The **ASEAN** region reported **16** new rabies cases in Epi-week 45, 2025.
- Up to November 8, 2025, the region reported **531** 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			<i>Rabies-free country</i>		
Cambodia	-	-	-	-	-
Indonesia¹	Week 42	142	11	142	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 44	6	-	6	100%
Myanmar³	Week 42	97	-	97	100%
Philippines²	Week 31	211	-	211	100%
Singapore			<i>Rabies-free country</i>		
Thailand²	Week 29	7	-	7	100%
Timor-Leste²	Week 45	21	16	21	
Viet Nam²	Week 42	58	-	58	100%
Total		542	27	542	100%

Source:

- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed November 11, 2025 (<https://portal.bluedot.global/>)
- Department of Public Health, Ministry of Health, Myanmar

Rabies cases (Animal) in the ASEAN region

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Brunei Darussalam			<i>Rabies-free country</i>		
Cambodia	Week 11	1	-	1	100%
Indonesia	-	-	-	-	-
Lao PDR	-	-	-	-	-
Malaysia	Week 35	40	-	40	100%
Myanmar	Week 30	2	-	2	100%
Philippines	Week 43	32	-	32	100%
Singapore			<i>Rabies-free country</i>		
Thailand	Week 45	229	29	229	100%
Timor-Leste	Week 35	41	-	41	100%
Viet Nam	-	-	-	-	-
Total		351	29	351	100%

Source: World Organization for Animal Health (WOAH), accessed November 11, 2025 (<https://wahis.woah.org/#/event-management>)

Vector-Borne Diseases





DENGUE

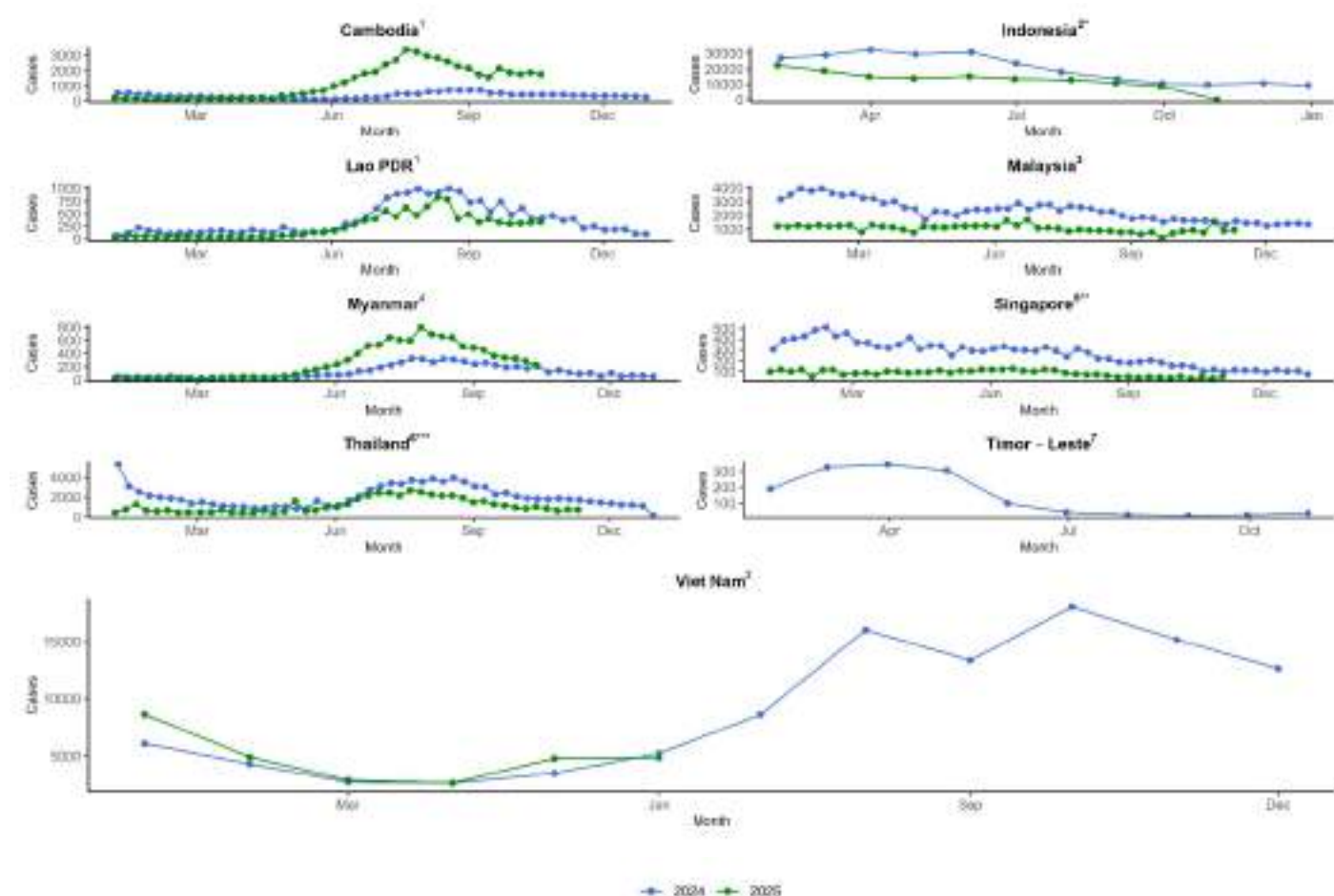
Dengue Cases in the ASEAN Region

From December 29, 2024 to November 8, 2025 (Epi-Week 45, 2025)

Key Findings

- The **ASEAN** region reported **1,965** new dengue cases in Epi-week 45, 2025.
- Up to November 8, 2025, the region reported **432,269** total cases and **759** total deaths with **0.18% CFR**.
- Most dengue trends in 2025 among AMS showing lower number of cases compared to previous year at the same period. At the first half of 2025, Cambodia and Myanmar showing significant increase of dengue cases compared to previous year at the same period, however currently showing downward in the second half of 2025.

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



Source:

- WHO WPRO, "Dengue," World Health Organization, accessed November 11, 2025 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
 - WHO Global Dengue Surveillance, accessed November 11, 2025 (https://worldhealthorg.shinyapps.io/dengue_global/).
 - Portal Rasmi iDengue untuk Komuniti, accessed November 11, 2025 (<https://idengue.mysa.gov.my/>).
 - Department of Public Health, Ministry of Health, Myanmar
 - Ministry of Health. "Weekly Infectious Disease Bulletin", accessed November 11, 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 November 11, 2025, (https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOE/views/DDS2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y)
 - Londong School of Hygiene and Tropical Medicine. "OpenDengue Database", accessed November, 2025 (<https://opendengue.org/data.html>)
- 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



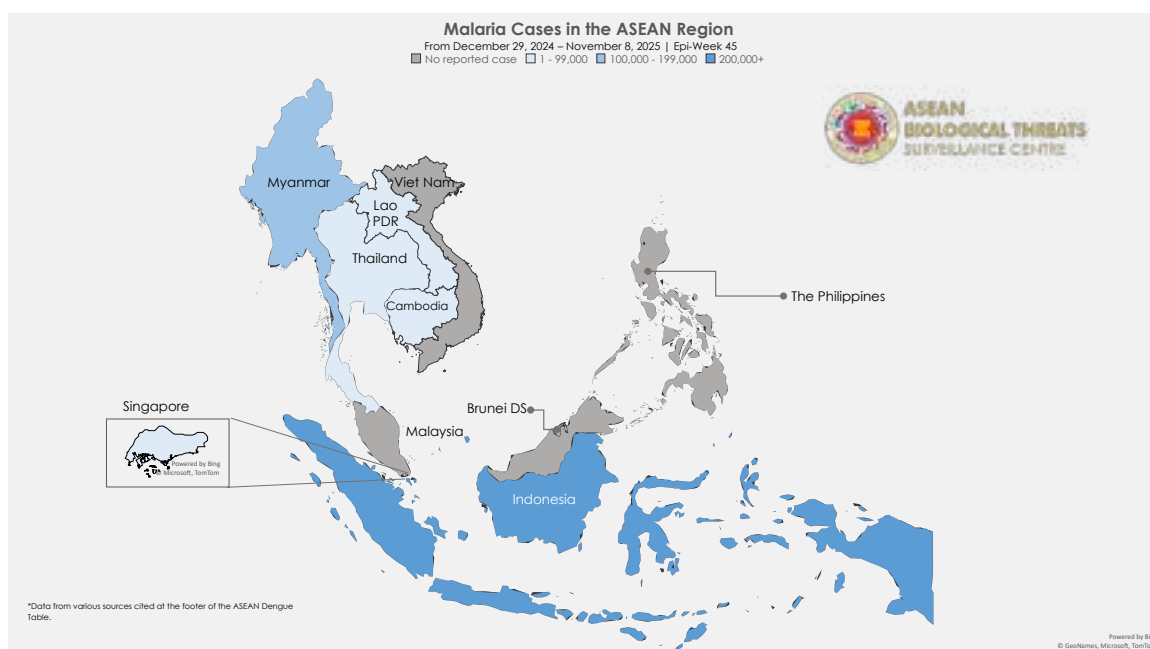
MALARIA

Malaria Cases in the ASEAN Region

From December 29, 2024 to November 8, 2025 (Epi-Week 45, 2025)

Key Findings

- The **ASEAN** region reported **56** new malaria cases in Epi-week 45, 2025.
- Up to November 8, 2025, the region reported **692,173** total cases and **92** deaths with **0.01%** CFR.

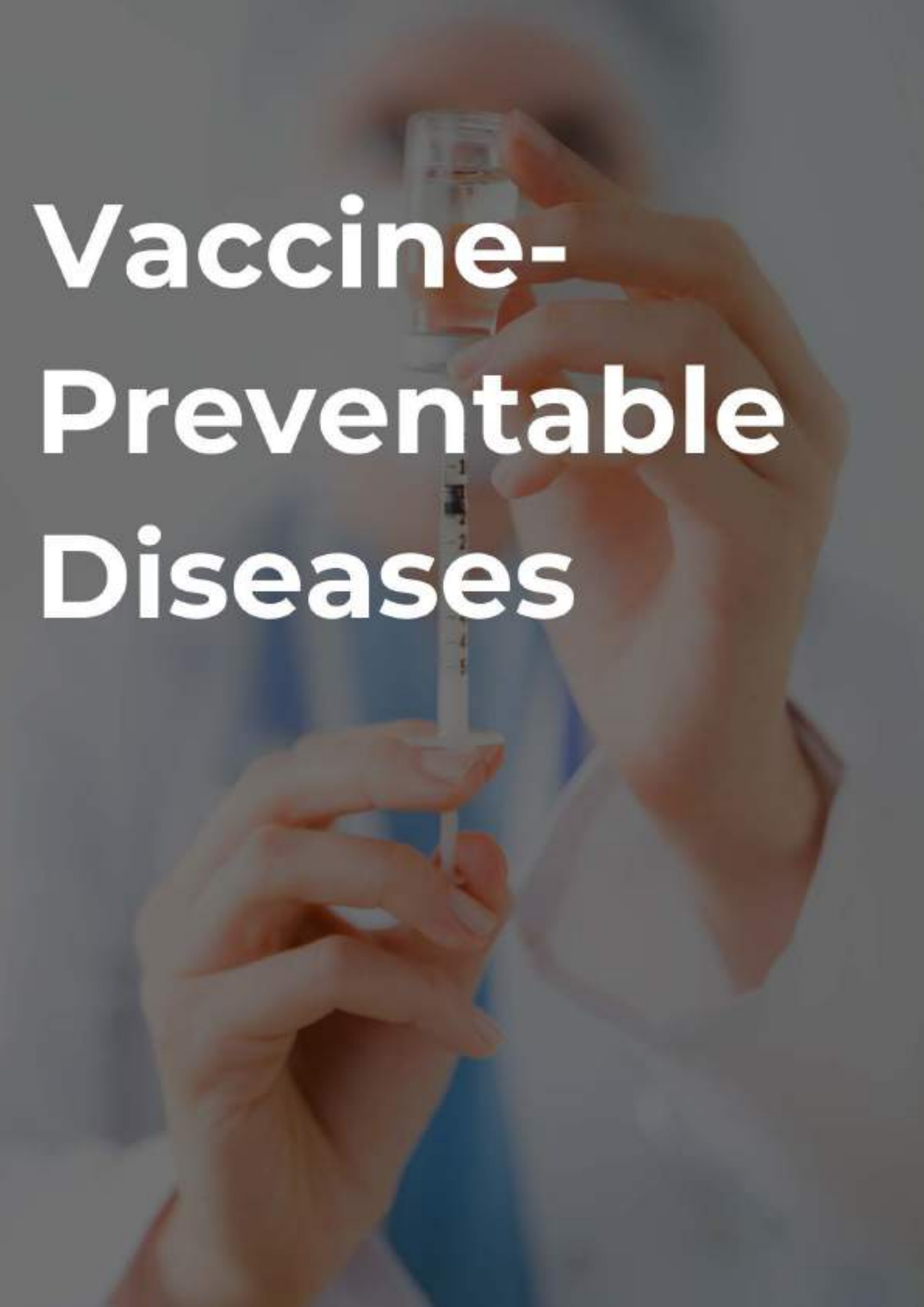


Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Last Week	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 45	104	1	0	0.00%
Indonesia²	Week 43	568,897	-	84	0.01%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar³	Week 35	119,489	-	5	0.004%
Philippines	-	-	-	-	-
Singapore⁴	Week 44	30	0	0	0.00%
Thailand⁵	Week 44	3,653	55	3	0.09%
Timor-Leste	-	-	-	-	-
Viet Nam	-	-	-	-	-
Total		692,173	56	92	0.01%

Source:

- Cambodia National Malaria Center, accessed November 11, 2025 (<https://mis.cnm.gov.kh/Dashboard>)
- Malaria Cases in Indonesia, accessed November 11, 2025 (<https://malaria.kemkes.go.id/case>)
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health Singapore, accessed November 11, 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 November 11, 2025 (https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOE/views/DDS2/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 a soft-focus clinical setting. The image is overlaid with a semi-transparent dark grey filter.

Vaccine- Preventable Diseases



MEASLES

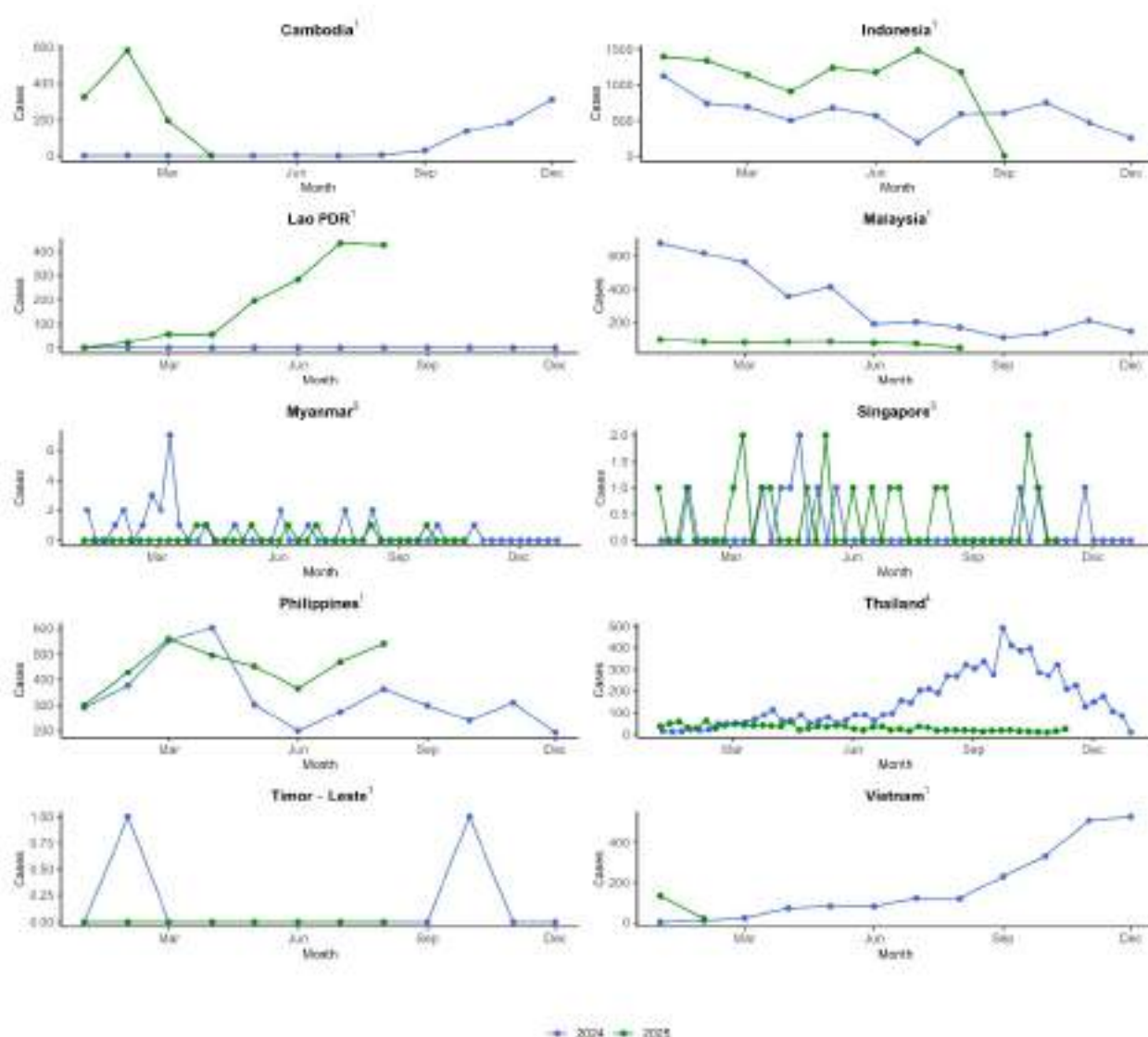
Measles Cases in the ASEAN Region

From December 29, 2024 to November 8, 2025 (Epi-Week 45, 2025)

Key Findings

- The **ASEAN** region reported **25** new measles cases in Epi-week 45, 2025.
- Up to November 8, 2025, the region reported **18,202** total cases with **0%** CFR.
- Mostly measles cases in the ASEAN Region slightly decrease compared to the same period on the previous year. Indonesia showing increased trend compared to previous year, then showing downward trend in September. The Philippines showing increased trend in the first half of 2025 compared to previous year.

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



Source:

- Provisional Measles and Rubella Data, World Health Organization, accessed November 11, 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 November 11, 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 November 11, 2025 (<http://doe.moph.go.th/surdata/index.php>)



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