



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



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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@aseanbiosurveillance.org

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Emerging Diseases

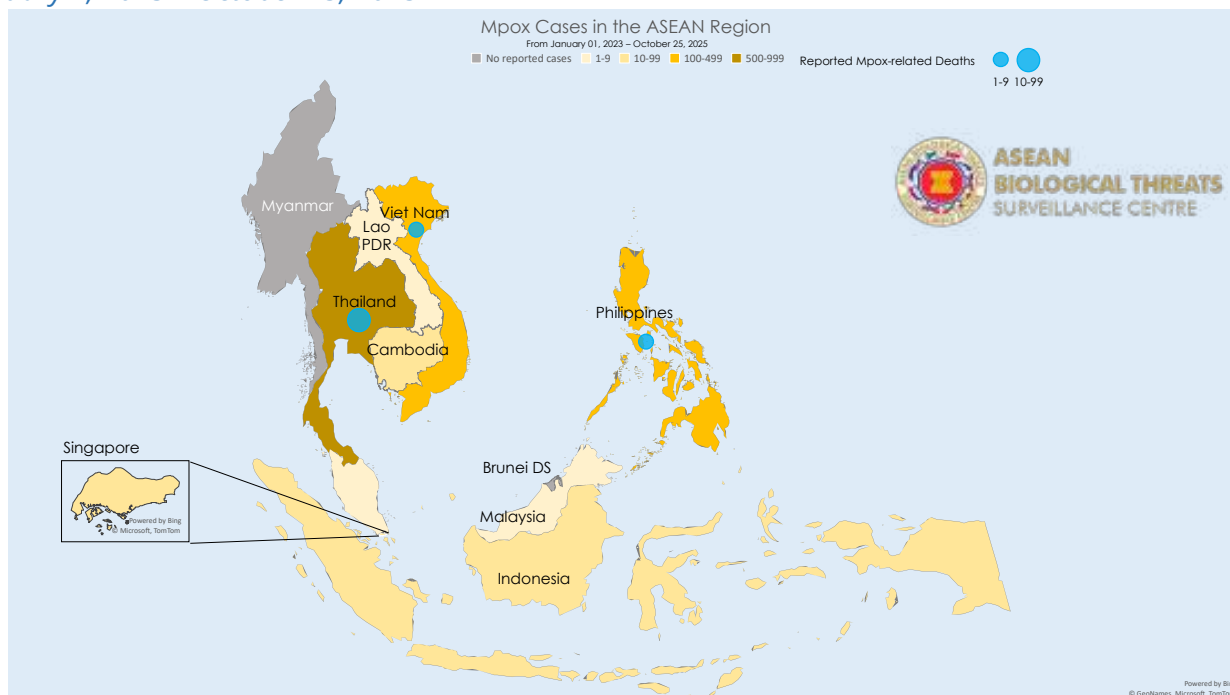
A person wearing a full-body white protective suit, a hood, and a face mask with a filter. They are also wearing black gloves. The person is holding a small, dark object in their gloved hand. The background is blurred, suggesting an indoor setting.



MPOX

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – October 25, 2025



Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed October 28, 2025, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

Key Findings

- From 1 January 2023 to 25 October 2025, **81,910** confirmed cases worldwide since 2023, including **394** deaths. Globally, the CFR was **0.48 %**.
- **1,674 confirmed cases** including **29 deaths** in the **ASEAN** region, with a CFR of **1.73%**.
- **80,236 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. 25, 2025)

ASEAN Member States	Cumulative Cases 2023-2025	New Cases Since Previous Report	Cumulative Deaths 2023-2025	New Deaths Since Previous Report	CFR
Cambodia ¹	20	0	0	0	0.00%
Indonesia ²	87	0	0	0	0.00%
Lao PDR ³	1	0	0	0	0.00%
Malaysia ³	17	0	0	0	0.00%
Philippines ³	330	0	7	0	2.12%
Singapore ⁴	62	0	0	0	0.00%
Thailand ³	948	23	13	0	1.37%
Vietnam ³	209	0	9	0	4.31%
ASEAN Total	1,674	23	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 October 28, 2025 (https://worldhealthorg.shinyapps.io/mpox_global/)
4. Ministry of Health Singapore, accessed October 28, 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. 25, 2025)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Democratic Republic of Congo	30,615	3,637	75	0.24%
Uganda	8,209	197	50	0.61%
United States of America	5,497	0	10	0.18%
Sierra Leone	5,345	100	56	1.05%
Burundi	4,483	78	1	0.02%

Source: WHO Mpox Outbreak: Global Trends, accessed October 28, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

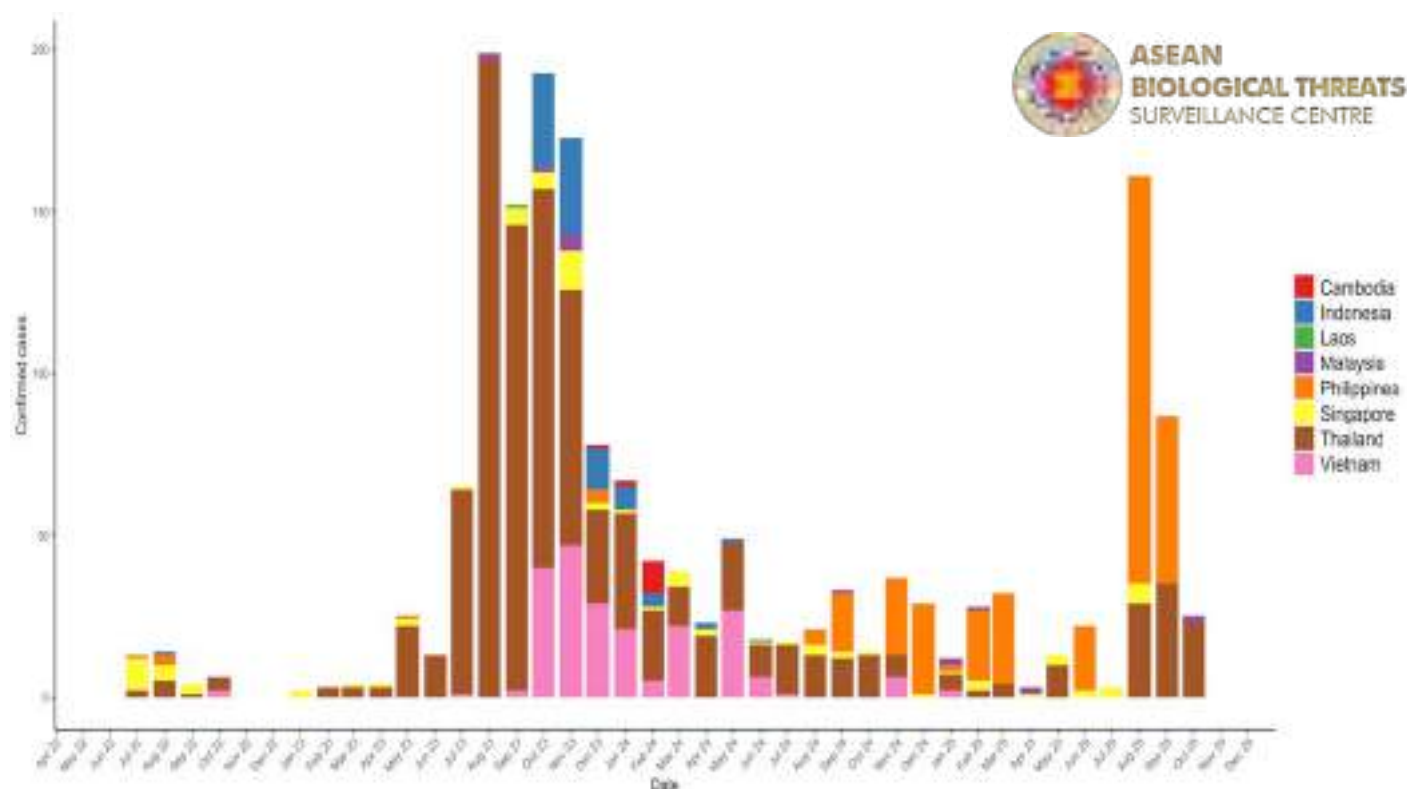
Mpox cases per region (Jan. 1, 2023 to Oct. 25, 2025)

REGIONS	CUMULATIVE CASES 2023-2025	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	53,719	4,613	225	0.42%
AMERICAS	13,070	239	102	0.78%
ASEAN	1,674	23	29	1.73%
ASIA & OCEANIA	8,330	14	33	0.40%
EUROPE	5,117	232	5	0.10%
TOTAL	81,910	371	394	0.48%

Source: WHO Mpox Outbreak: Global Trends, accessed October 28, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

Trend of Mpox Confirmed Cases in the ASEAN Region

January 1, 2022 to October 25, 2025

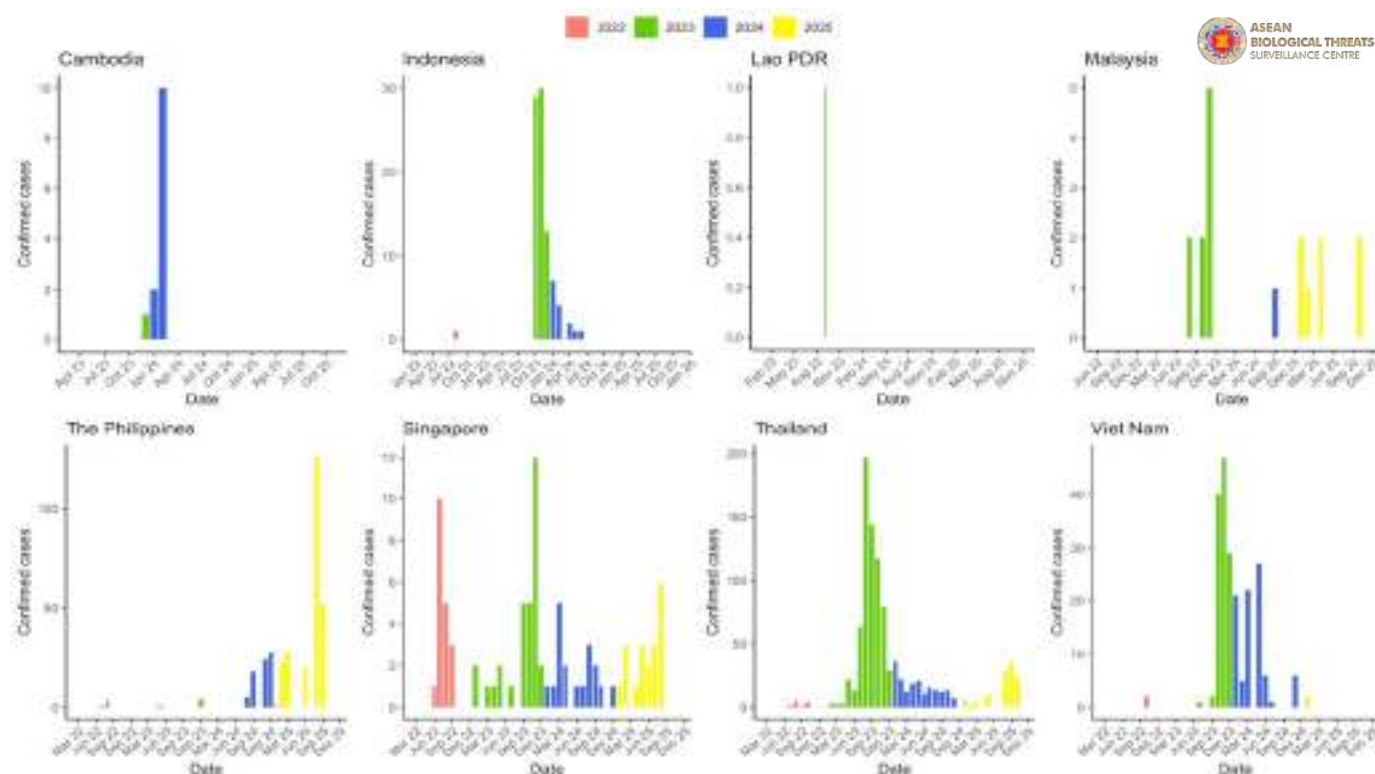


Source: WHO Mpox Outbreak: Global Trends, accessed October 28, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)



Trend of Mpox Confirmed Cases among ASEAN Member States

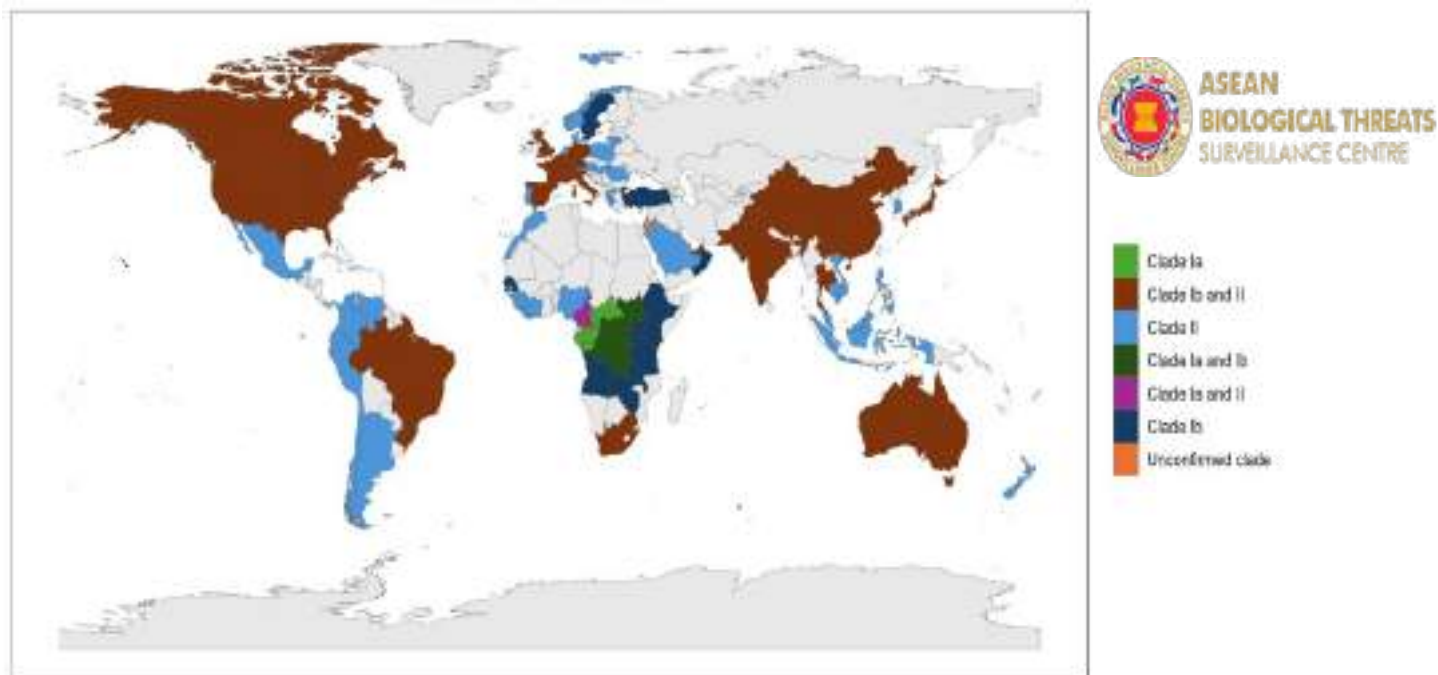
January 1, 2022 to October 25, 2025



Source: WHO Mpox Outbreak: Global Trends, accessed October 28, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

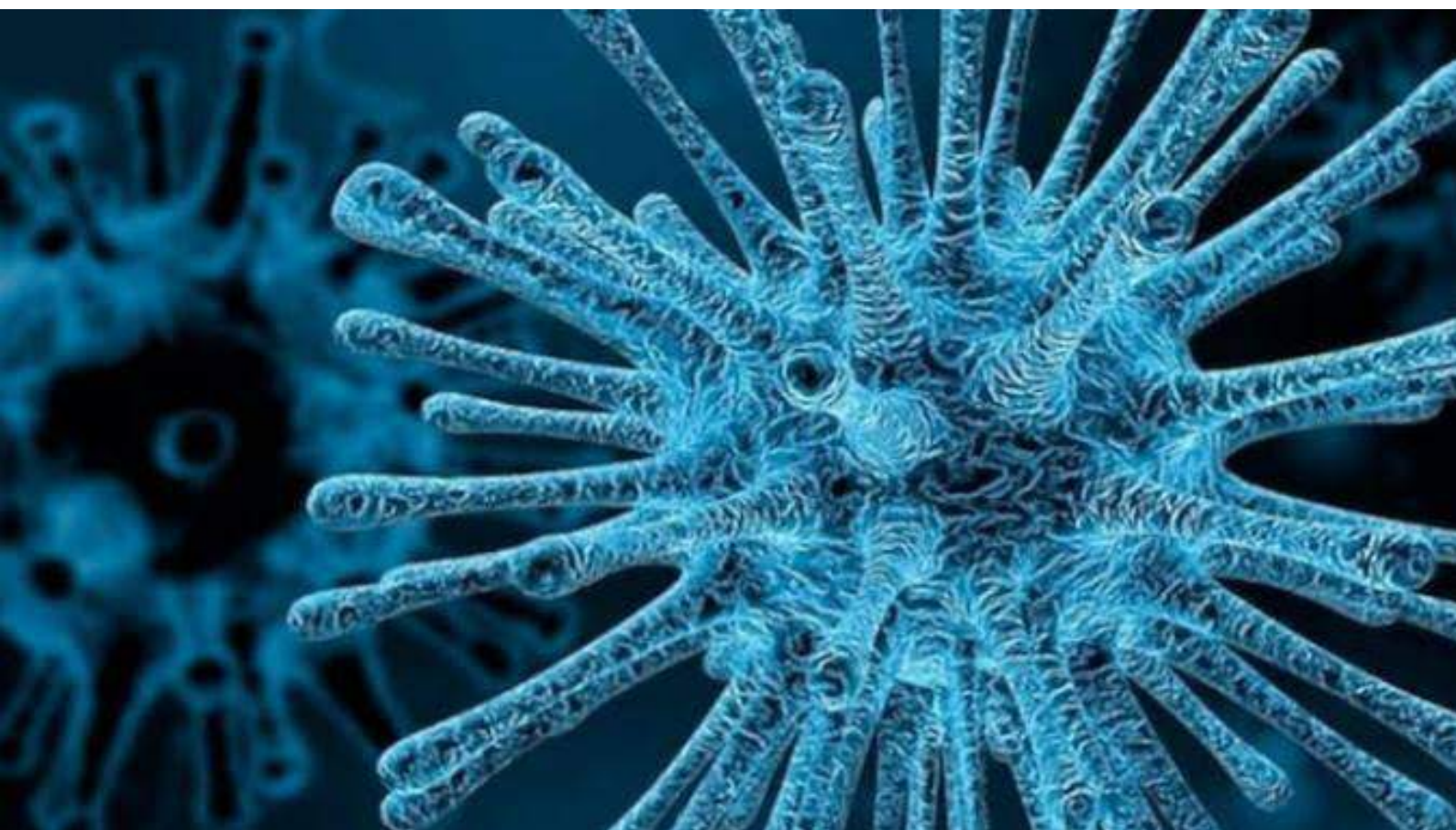
Distribution of Mpox Variants in The Global

As of October 25, 2025



Source: GISAID and WHO

Distribution of Mpox Variant (Clade) in the ASEAN and Neighbouring Countries and Areas As of October 25, 2025





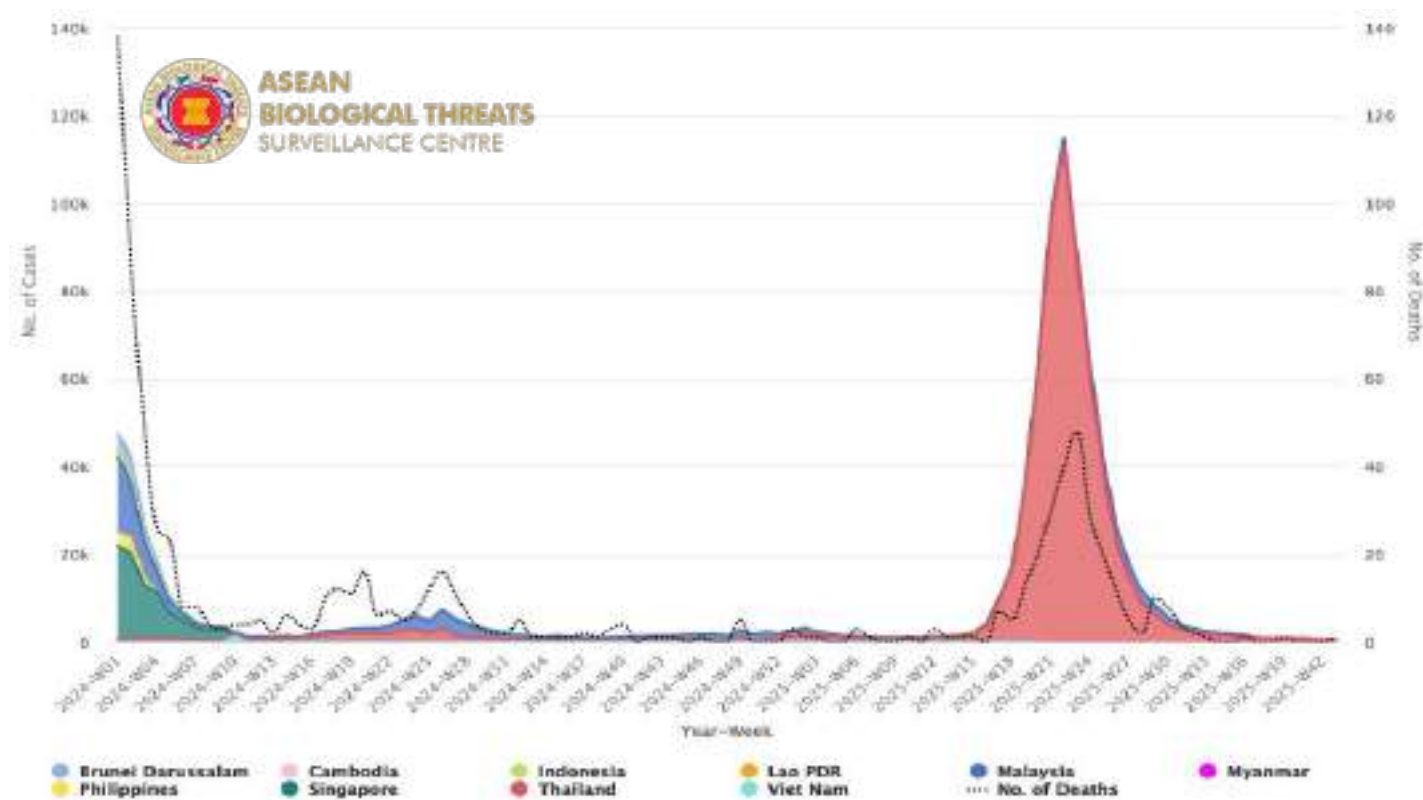
COVID-19

Key Findings

- As of 25 October 2025 (5PM, GMT+7), there were **778,652,552** confirmed cases **worldwide**, including **7,102,014** deaths. Globally, the Case Fatality Rate (CFR) was **0.91%**.
- 37,748,934** 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 25, 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 43.
- 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

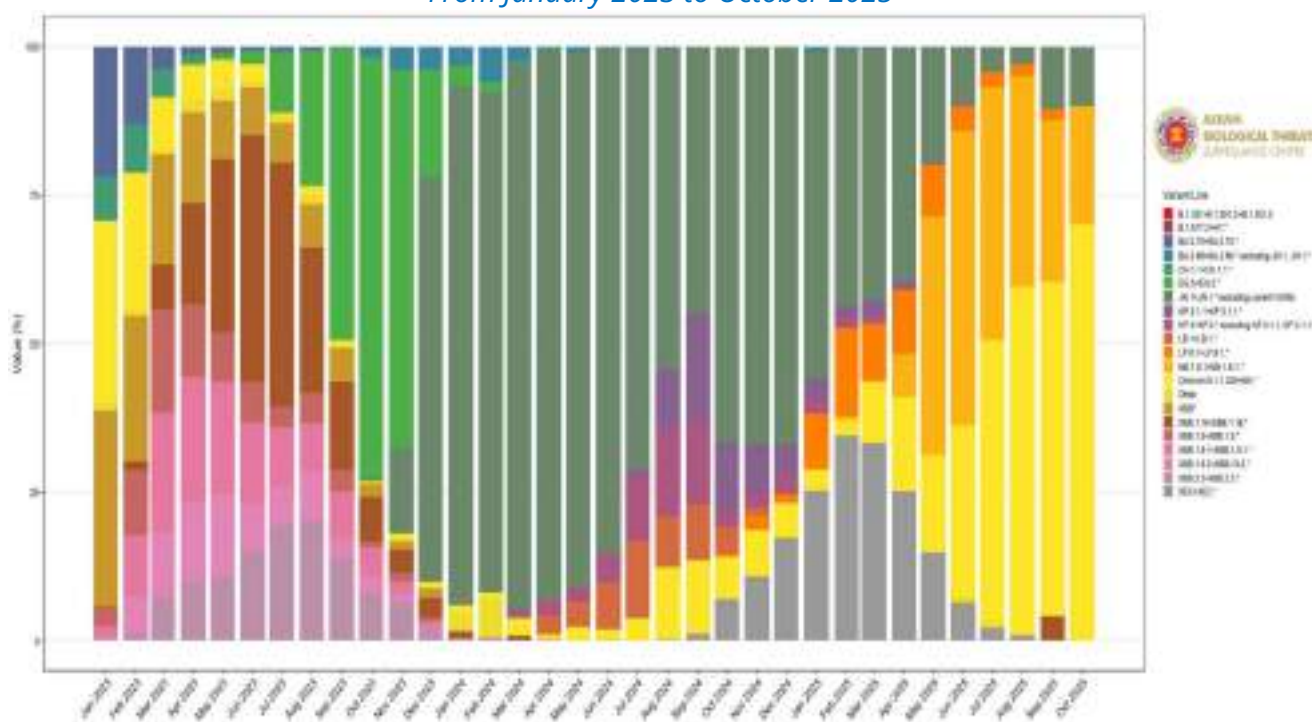


Source: GISAID. "hCoV-19 Variants Dashboard," accessed October 21, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

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COVID-19 Variants Frequencies in the ASEAN Region

From January 2023 to October 2025



Source: GISAIID. "hCoV-19 Variants Dashboard." accessed October 28, 2025. <https://gisaid.org/hcov-19-variants-dashboard/>

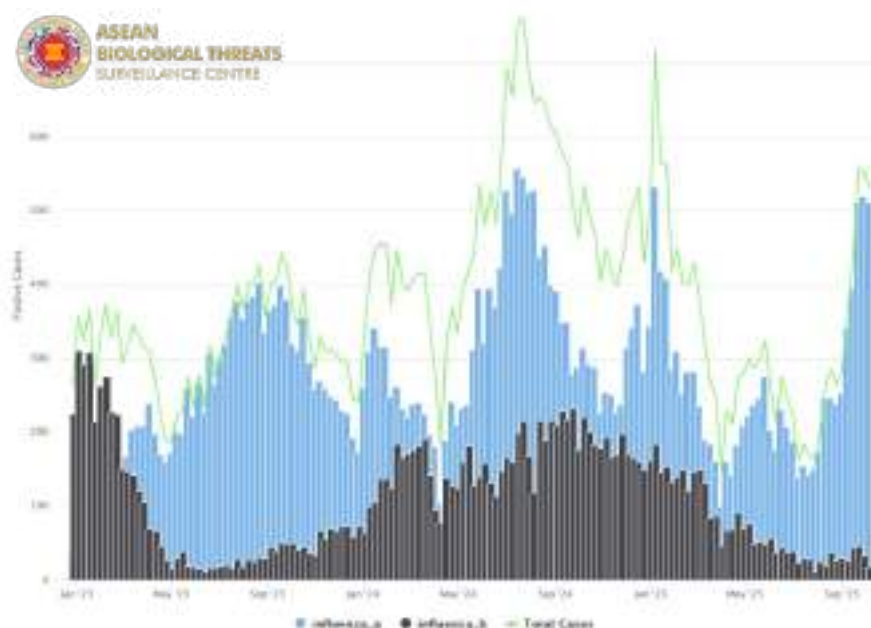
INFLUENZA

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

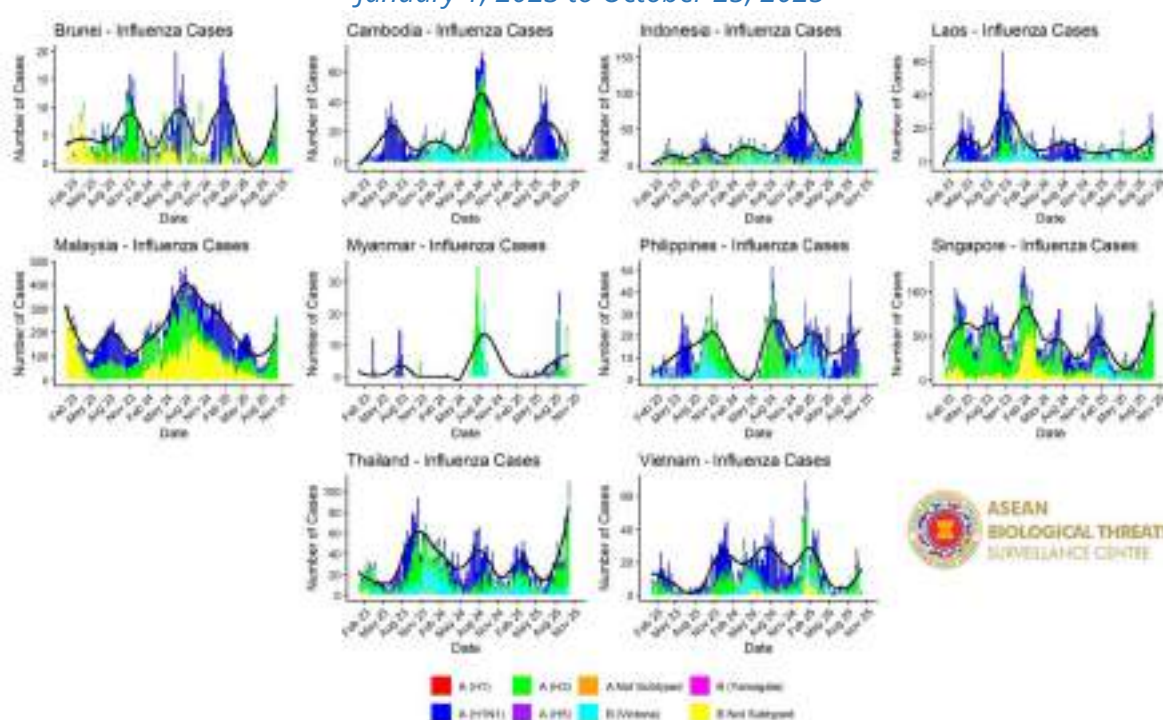
From January 1, 2023 to October 25, 2025



Source: WHO FluNet, accessed on October 28, 2025 (<https://www.who.int/tools/fluNet>)

Trend of Influenza Cases among ASEAN Member States

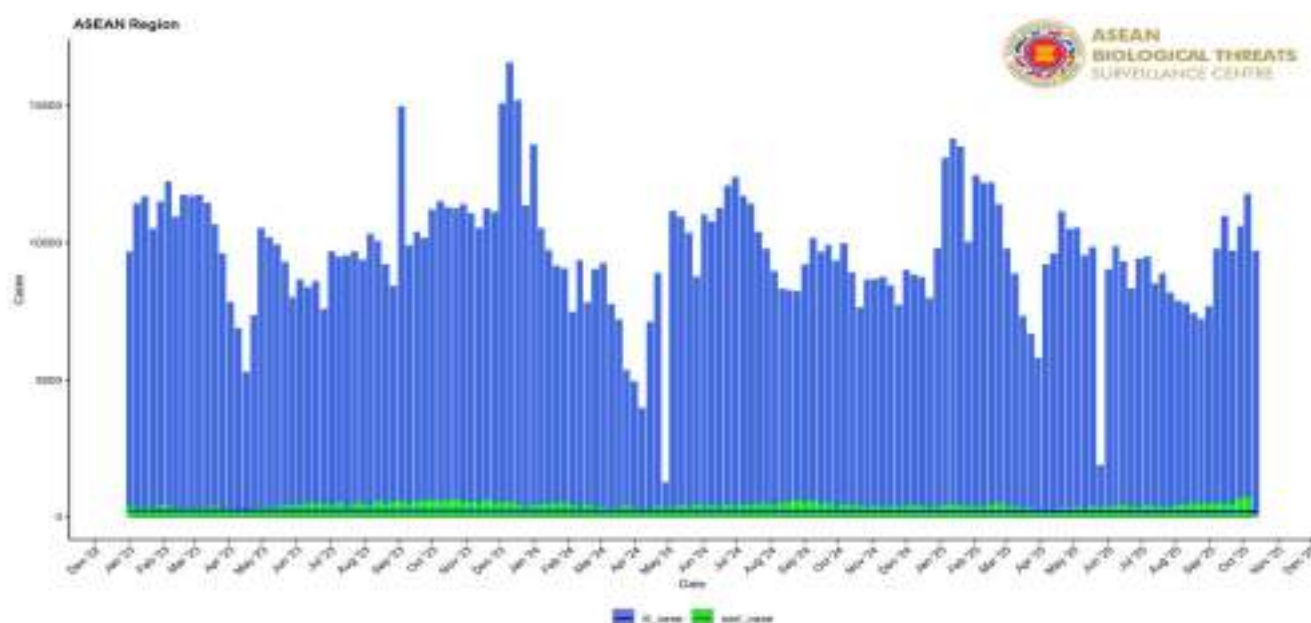
January 1, 2023 to October 25, 2025



Source: WHO FluNet, accessed on October 28, 2025 (<https://www.who.int/tools/fluNet>)

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

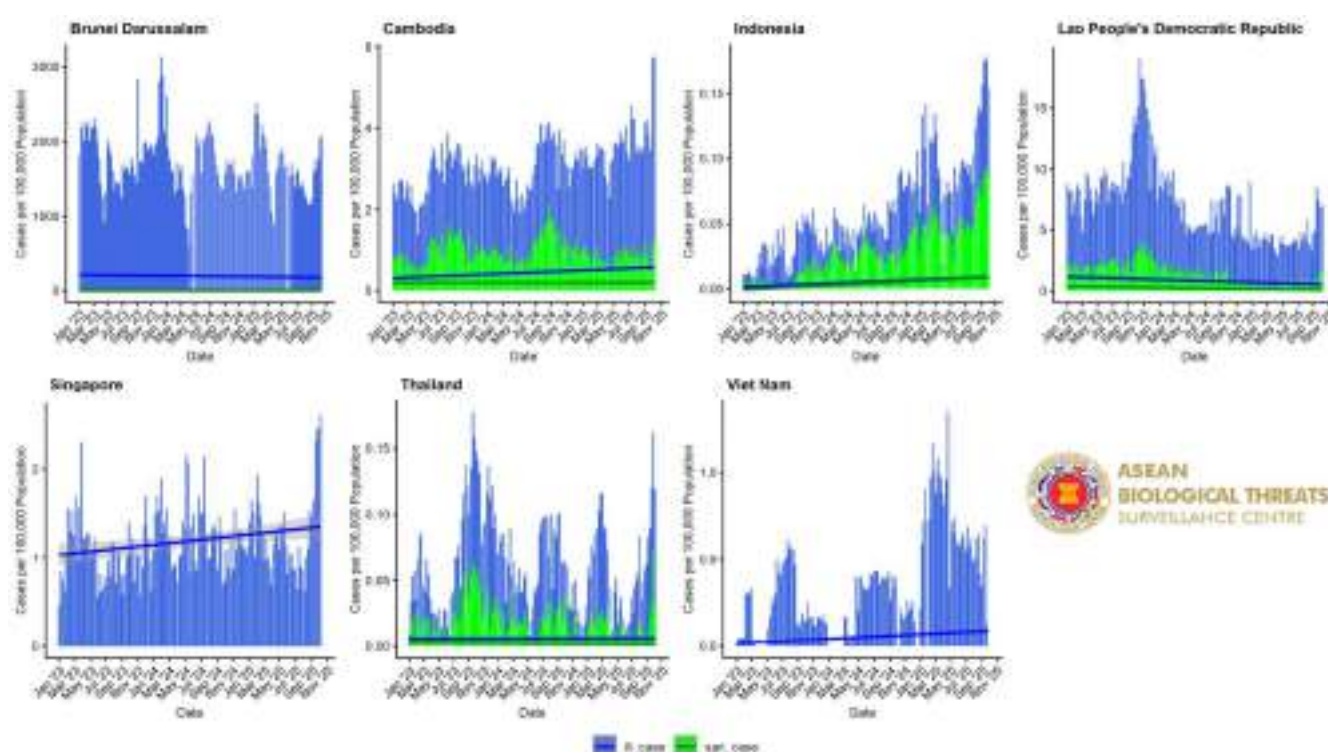
January 1, 2023 to October 25, 2025



Source: WHO FluID, accessed October 28, 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 25, 2025



Source: WHO FluID, accessed October 28, 2025 (<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs>)

Zoonosis





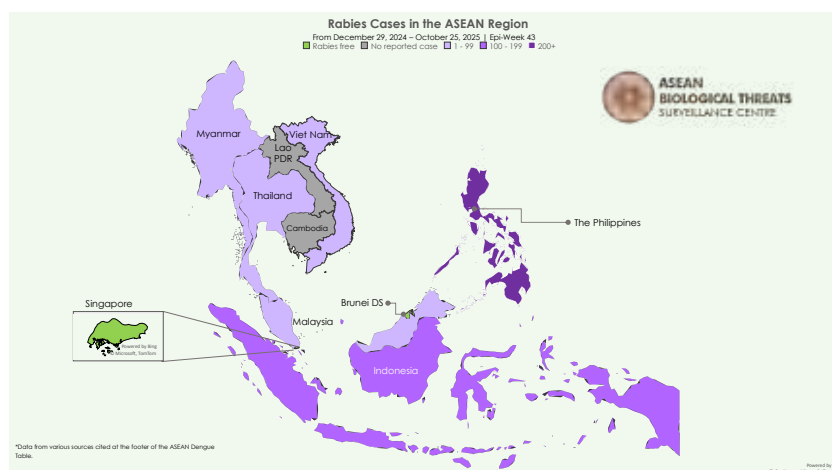
RABIES

Rabies Cases in the ASEAN Region

From December 29, 2024 to October 25, 2025 (Epi-Week 43, 2025)

Key Findings

- The **ASEAN** region reported **no** new rabies cases in Epi-week 43, 2025.
- Up to October 25, 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	-	131	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 42	5	-	5	100%
Myanmar³	Week 42	97	-	97	100%
Philippines²	Week 31	211	-	211	100%
Singapore			Rabies-free country		
Thailand²	Week 29	7	-	7	100%
Viet Nam²	Week 42	58	-	58	100%
Total		509	0	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	Week 43	38	38	38	100%
Singapore			Rabies-free country		
Thailand²	Week 38	200	-	200	100%
Viet Nam²	-	-	-	-	-
Total		281	38	281	100%

Source:

- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed October 28, 2025 (<https://portal.bluedot.global/>)
- Department of Public Health, Ministry of Health, Myanmar
- World Organization for Animal Health (WOAH), accessed October 28, 2025 (<https://wahis.woah.org/#/event-management>)

Vector-Borne Diseases





DENGUE

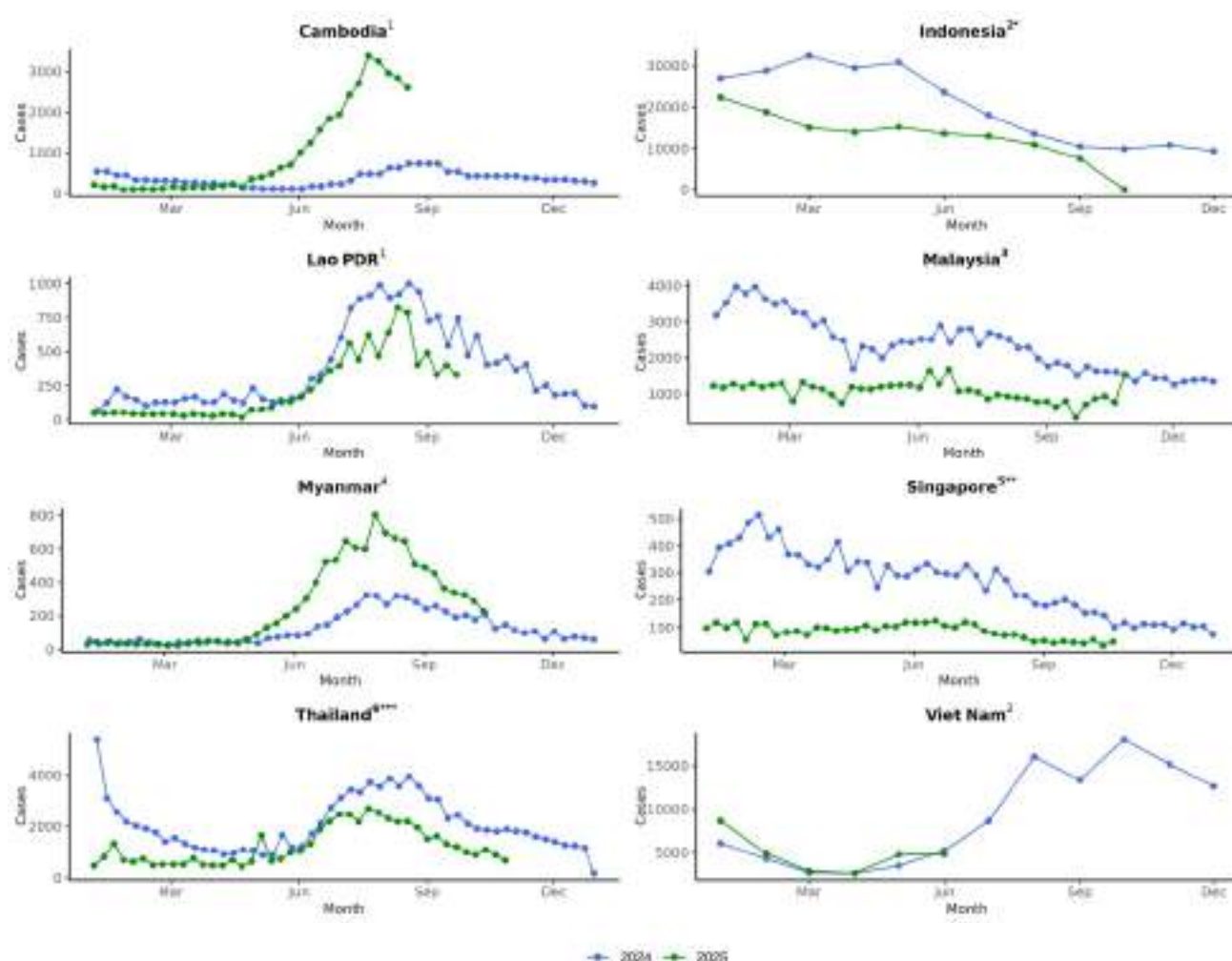
Dengue Cases in the ASEAN Region

From December 29, 2024 to October 25, 2025 (Epi-Week 43, 2025)

Key Findings

- The **ASEAN** region reported **2,266** new dengue cases in Epi-week 43, 2025.
- Up to October 25, 2025, the region reported **378,346** total cases and **739** 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. 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 October 28, 2025 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
- WHO Global Dengue Surveillance, accessed October 28, 2025 (https://worldhealthorg.shinyapps.io/dengue_global/).
- Portal Rasmi iDengue untuk Komuniti, accessed October 28, 2025 (<https://idengue.mysa.gov.my/>).
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health. "Weekly Infectious Disease Bulletin", accessed October 28, 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 28, 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



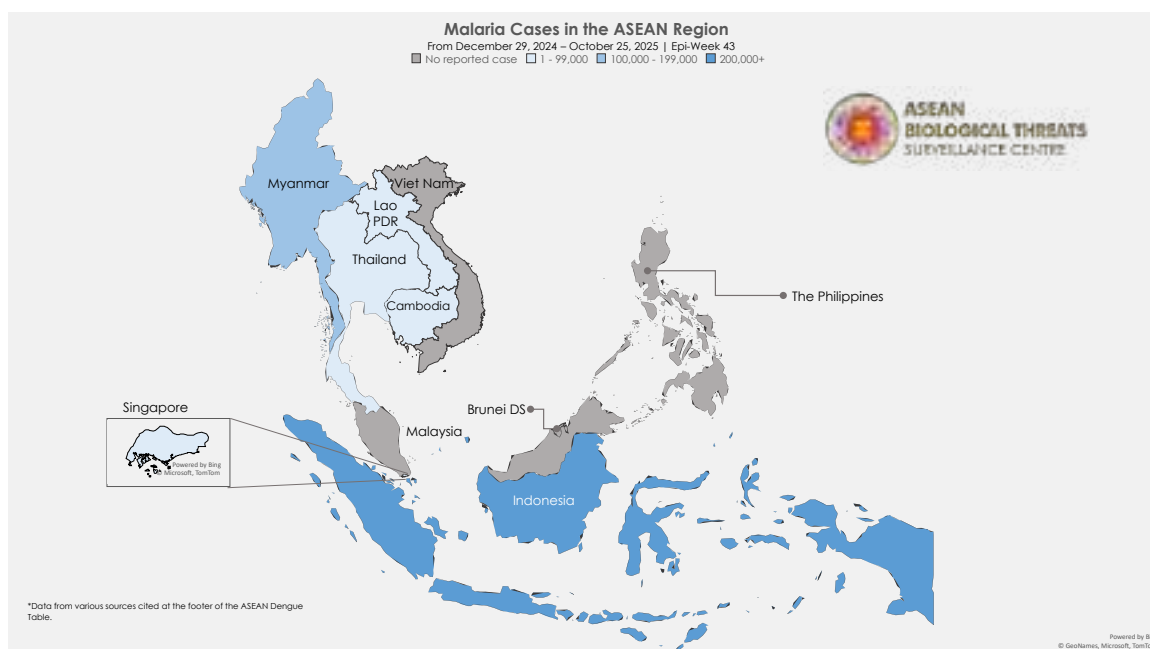
MALARIA

Malaria Cases in the ASEAN Region

From December 29, 2024 to October 25, 2025 (Epi-Week 43, 2025)

Key Findings

- The **ASEAN** region reported **14,604** new malaria cases in Epi-week 43, 2025.
- Up to October 25, 2025, the region reported **692,060** total cases and **92** deaths with **0.01%** CFR.

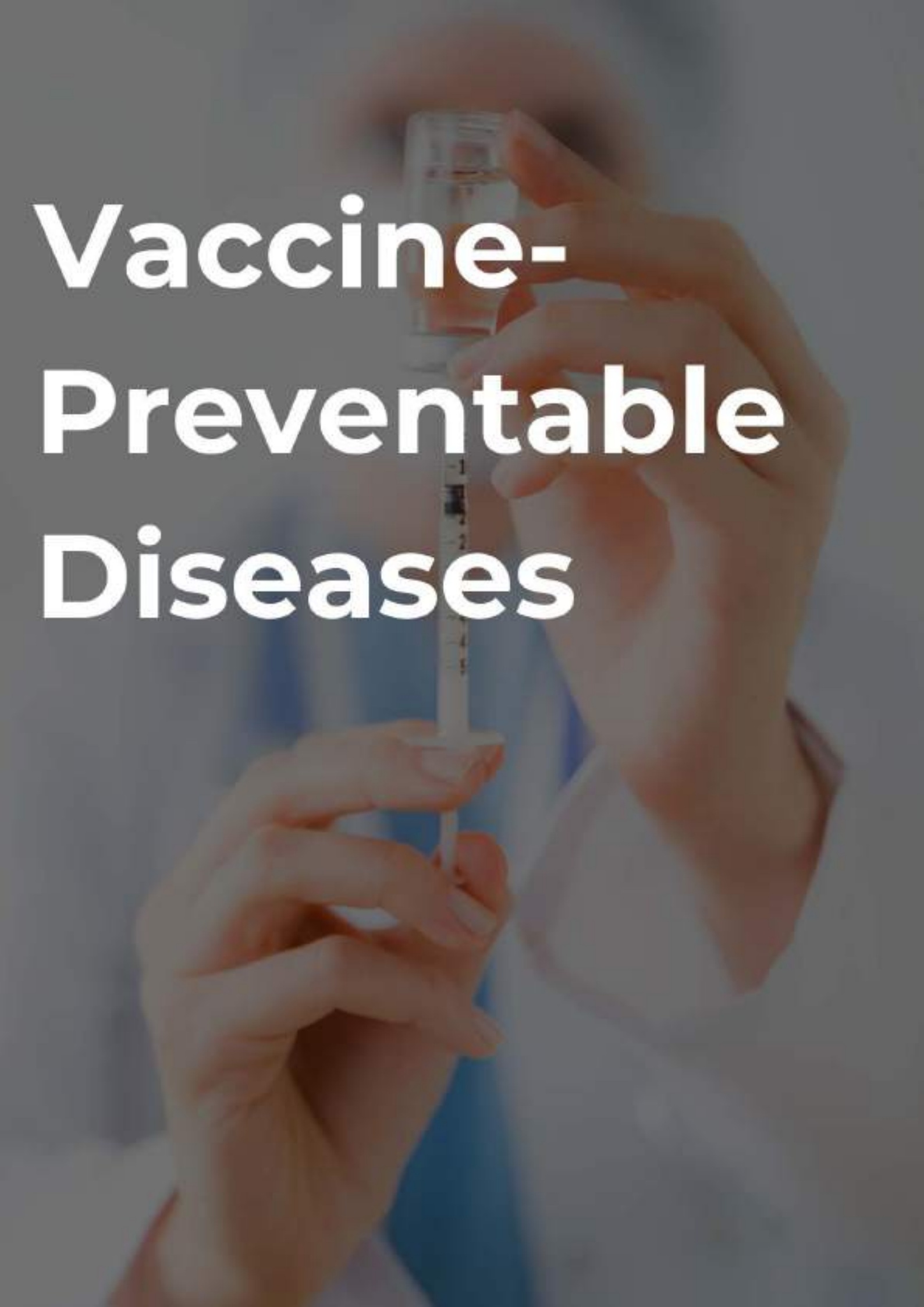


Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Last Week	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 43	102	0	0	0.00%
Indonesia²	Week 43	568,897	14,565	84	0.01%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar³	Week 35	119,489	-	5	0.004%
Philippines	-	-	-	-	-
Singapore⁴	Week 42	30	2	0	0.00%
Thailand⁵	Week 43	3,542	37	3	0.09%
Viet Nam	-	-	-	-	-
Total		692,060	14,604	92	0.01%

Source:

- Cambodia National Malaria Center, accessed October 28, 2025 (<https://mis.cnm.gov.kh/Dashboard>)
- Malaria Cases in Indonesia, accessed October 28, 2025 (<https://malaria.kemkes.go.id/case>)
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health Singapore, accessed October 28, 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 28, 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

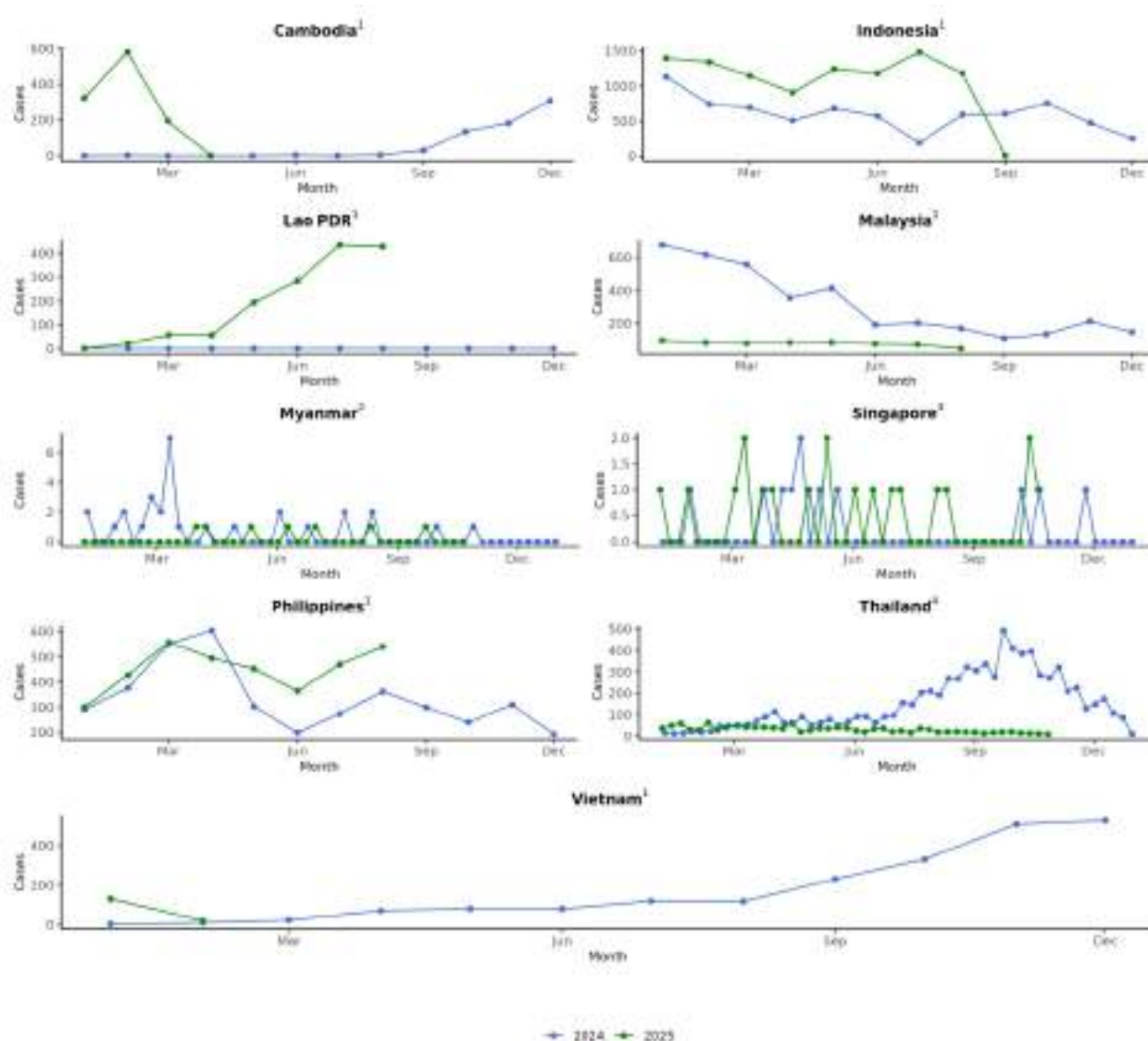
Measles Cases in the ASEAN Region

From December 29, 2024 to October 25, 2025 (Epi-Week 43, 2025)

Key Findings

- The **ASEAN** region reported **10** new measles cases in Epi-week 43, 2025.
- Up to October 25, 2025, the region reported **18,148** 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 October 28, 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 28, 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 28, 2025 (<http://doe.moph.go.th/surdata/index.php>)



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