



ASEAN
BIOLOGICAL THREATS
SURVEILLANCE CENTRE

ASEAN

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@biodiaspora.org

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Emerging Diseases

A person wearing a white protective suit, hood, and black gloves is shown from the chest up. They are holding a small, dark object in their right gloved hand. The background is blurred, suggesting a laboratory or clinical setting. The text "Emerging Diseases" is overlaid in large white letters on the left side of the image.

MPOX

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – August 2, 2025



Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed August 5, 2025, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

Key Findings

- From 1 January 2023 to 2 August 2025, **67,545** confirmed cases worldwide since 2023, including **330** deaths. Globally, the CFR was **0.49 %**.
- **1,426 confirmed cases** including **27 deaths** in the **ASEAN** region, with a CFR of **1.89%**.
- **66,119 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 Aug. 2, 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	152	0	5	3.29%
Singapore⁴	58	0	0	0.00%
Thailand³	884	0	13	1.47%
Vietnam³	209	0	9	4.31%
ASEAN Total	1,426	0	27	1.89%

Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia
3. WHO Mpox Outbreak: Global Trends, accessed August 5, 2025 (https://worldhealthorg.shinyapps.io/mpox_global/)
4. Ministry of Health Singapore, accessed August 5, 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 Aug. 2, 2025)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Democratic Republic of Congo	24,462	0	70	0.29%
Uganda	7,231	0	44	0.61%
United States of America	5,014	0	10	0.20%
Sierra Leone	4,481	0	29	0.65%
Brazil	3,451	0	2	0.06%

Source: Our World in Data, accessed on August 5, 2025 (<https://ourworldindata.org/monkeypox>)

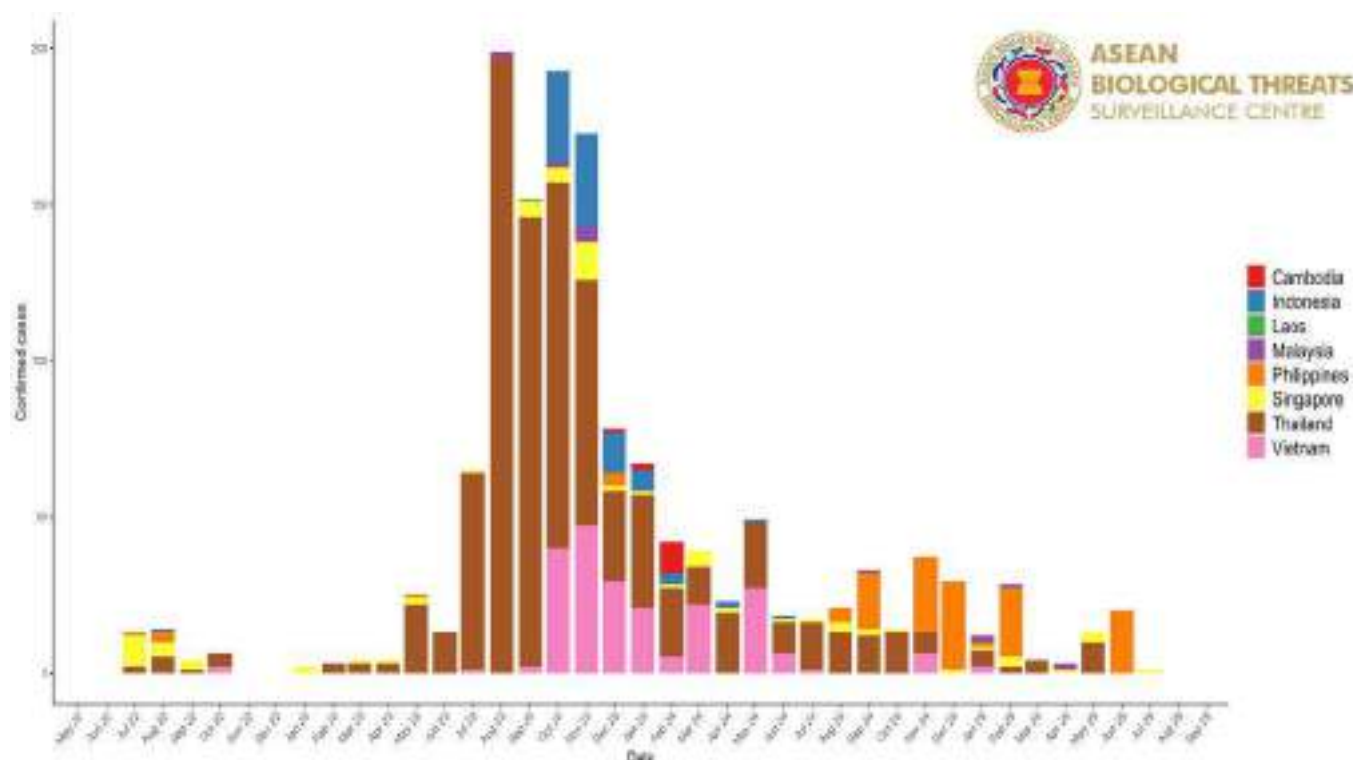
Mpox cases per region (Jan. 1, 2023 to Aug. 2, 2025)

REGIONS	CUMULATIVE CASES 2023-2025	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	42,028	0	171	0.41%
AMERICAS	11,784	0	99	0.84%
ASEAN	1,426	0	27	1.89%
ASIA & OCEANIA	7,735	0	31	0.40%
EUROPE	4,572	0	5	0.11%
TOTAL	67,545	0	333	0.49%

Source: Our World in Data, accessed on August 5, 2025 (<https://ourworldindata.org/monkeypox>)

Trend of Mpox Confirmed Cases in the ASEAN Region

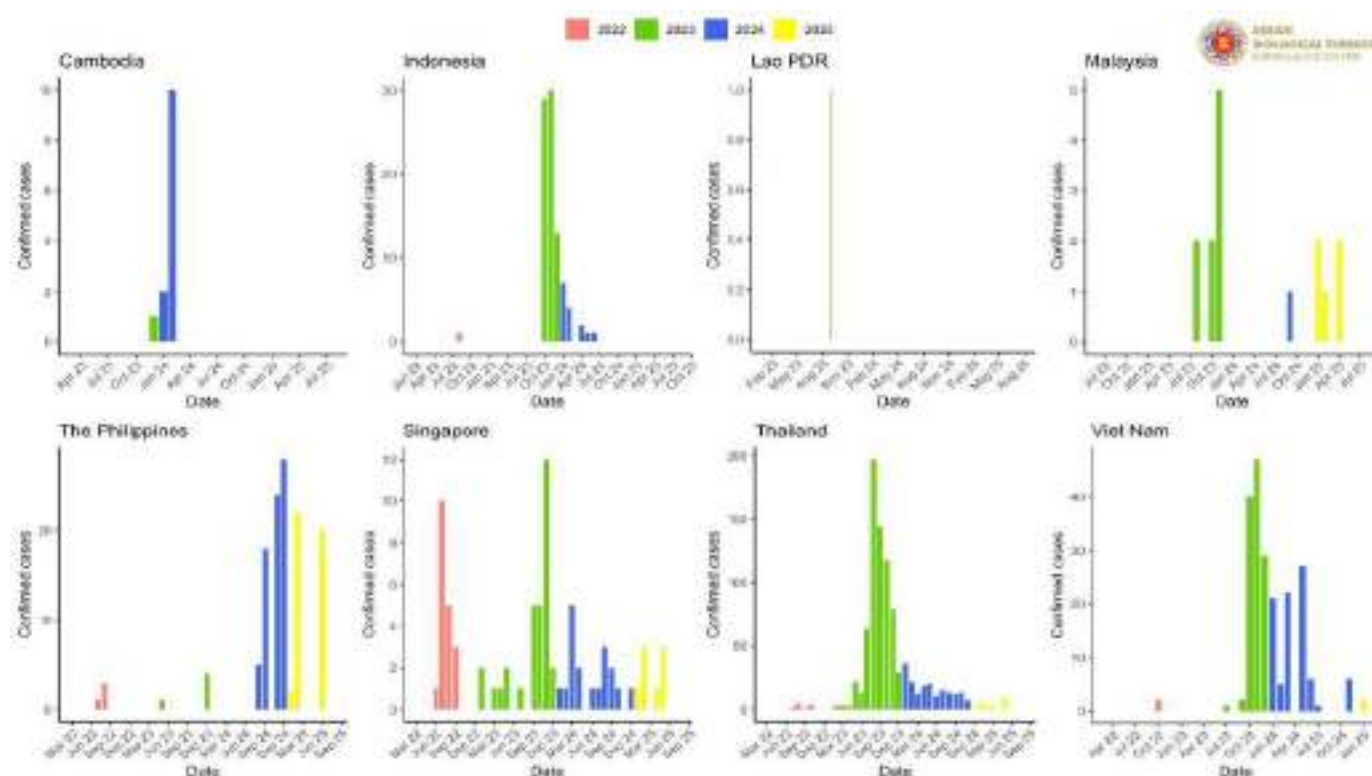
January 1, 2022 to August 2, 2025



Source: Our World in Data, accessed on August 5, 2025 (<https://ourworldindata.org/monkeypox>)

Trend of Mpox Confirmed Cases among ASEAN Member States

January 1, 2022 to August 2, 2025

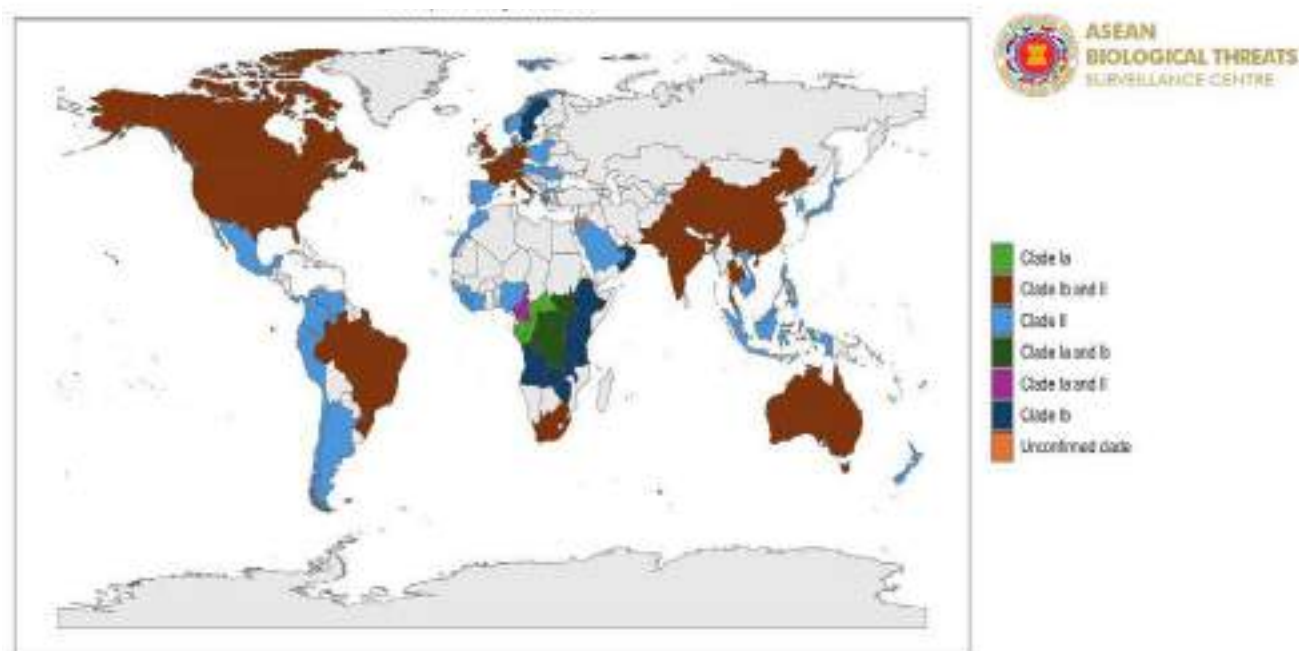


Source: Our World in Data, accessed on August 5, 2025 (<https://ourworldindata.org/monkeypox>)

Distribution of Mpox Variants in The Global

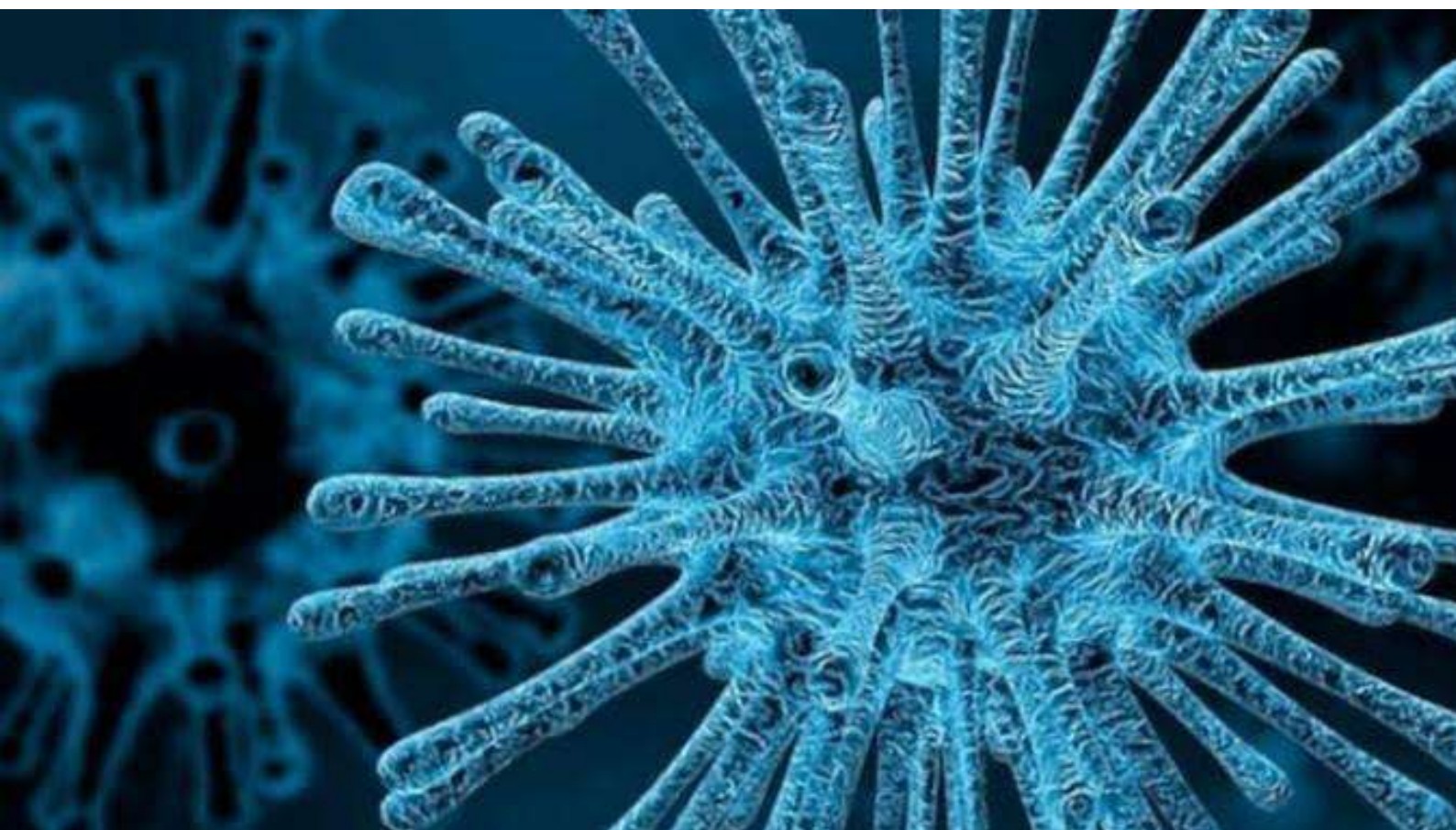
As of August 2, 2025

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 August 2, 2025





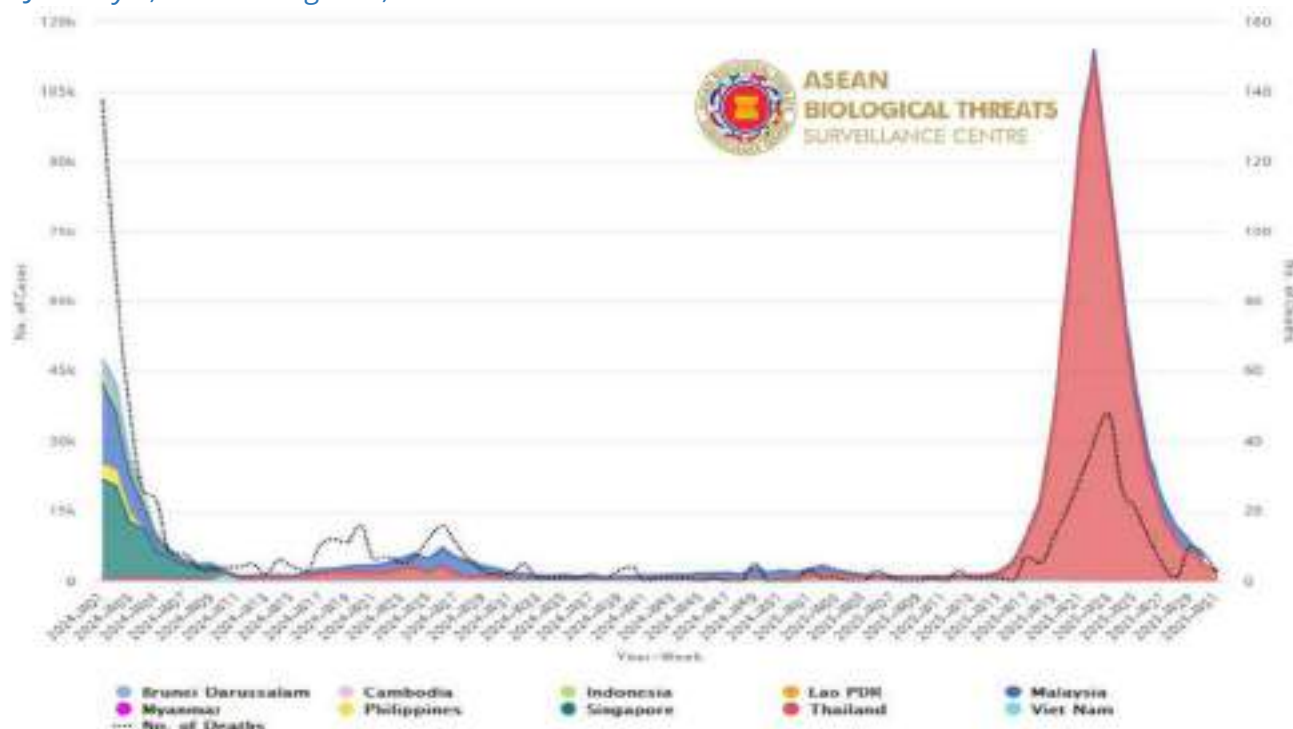
COVID-19

Key Findings

- As of 2 August 2025 (5PM, GMT+7), there were **778,348,358** confirmed cases **worldwide**, including **7,098,490** deaths. Globally, the Case Fatality Rate (CFR) was **0.91%**.
- 37,725,568 total confirmed cases** of COVID-19 have been reported in the **ASEAN Region**.
- The CFR in the **ASEAN Region** was **0.98%**.
- In July 2025, **NB.1.8.1** variant show a dominance number in Thailand and Vietnam. Meanwhile, Cambodia, Singapore and Malaysia show dominance in **Omicron B.1.1.529+BA.*** variant.

ASEAN Weekly COVID-19 Cases and Deaths

From January 1, 2024 to August 2, 2025



Sources: [Singapore Government](#), [MOH Indonesia](#), [MOH Cambodia](#), [DDC Thailand](#), [MOH Myanmar](#), [MOH Malaysia](#), and [WHO](#) accessed on August 5, 2025

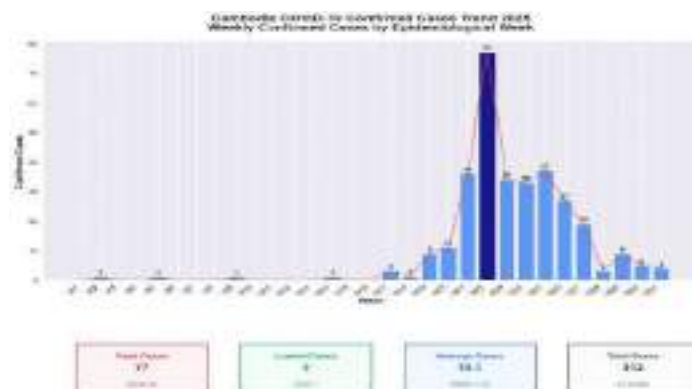
- A major peak in case numbers occurred in mid-2025 until week 22 as the highest peak of the cases reported. Meanwhile, after week 23, the cases continued to decrease significantly until the week of 31.

ASEAN Weekly COVID-19 Cases among ASEAN Member States

From January 1 to August 2, 2025

Cambodia:

- COVID-19 cases in Cambodia remained very low from Week 1 to Week 16 of 2025, with most weeks reporting zero or one case.
- A noticeable increase in weekly cases began in Week 19, rising sharply to 77 cases by Week 22.
- No deaths were reported throughout the 31-week period, suggesting mild disease or effective healthcare response.



Source: [MOH Cambodia](#), accessed on August 5, 2025



Indonesia:

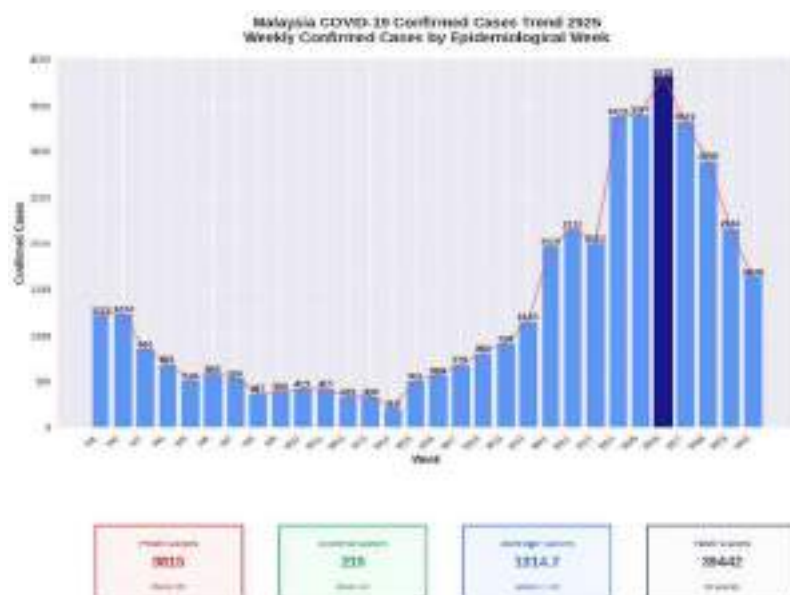
- Indonesia demonstrated effective pandemic control with cases declining from a peak of 27 in week 1 to near-zero levels by weeks 12-16, indicating successful implementation of public health measures early in 2025.
- The overall trend shows a well-managed outbreak with an average of only 9.2 cases per week, and zero deaths reported throughout the 27-week period, suggesting robust healthcare system response and disease surveillance.
- There was a brief increase in cases during weeks 17-19 (reaching 15 cases) that are likely happening during 22-26.



Source: [MOH Indonesia](#), accessed on August 5, 2025

Malaysia:

- U-shaped trend: Cases started high (1,222-1,232), dropped significantly to a minimum of 210 cases in week 14, then surged dramatically to peak at 2,151 cases by week 22.
- Accelerating growth phase: The resurgence from week 15 onwards shows exponential growth, with cases more than quadrupling in just 8 weeks (500 to 2,151).
- Very low mortality: Despite more than 35 thousand total cases across 30 weeks, two deaths were recorded, suggesting either effective treatment protocols or a less severe variant.



Source: [MOH Malaysia](#), accessed on August 5, 2025

Myanmar:

- The total number of COVID-19 cases reported in Myanmar for the week's analyzed in 2025 was 156.
- On average, Myanmar reported five COVID-19 cases per week during this period.
- The peak number cases were reported in week 24 with more than 50 cases. Meanwhile, the lowest reported cases occurred in the earliest week this year from week 1 to week 17. During these weeks, Myanmar reported no cases on COVID-19.

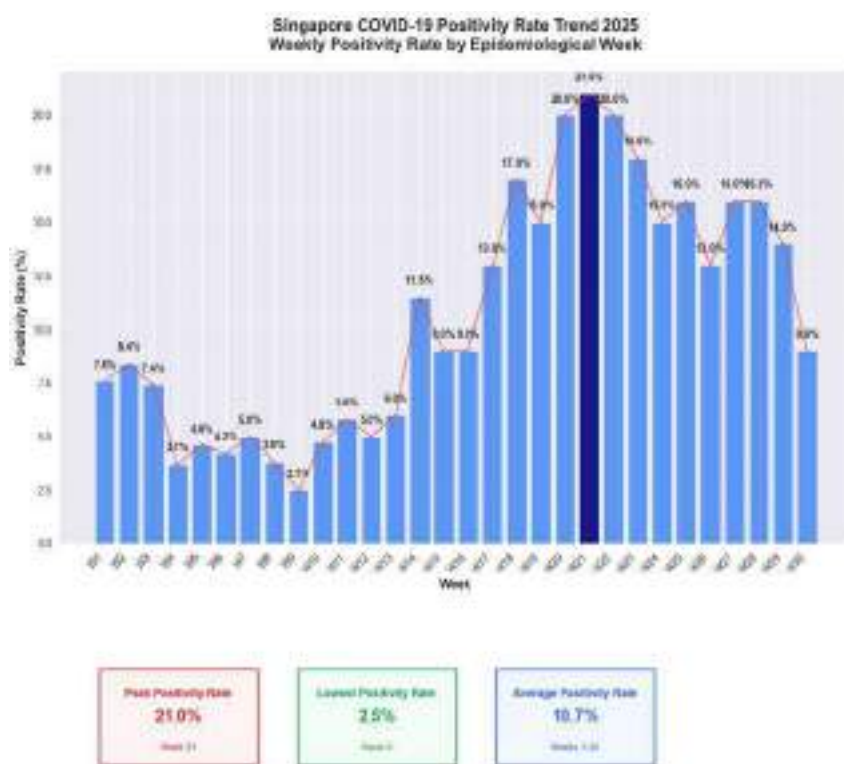


Source: [MOH Myanmar](#), accessed on August 5, 2025



Singapore:

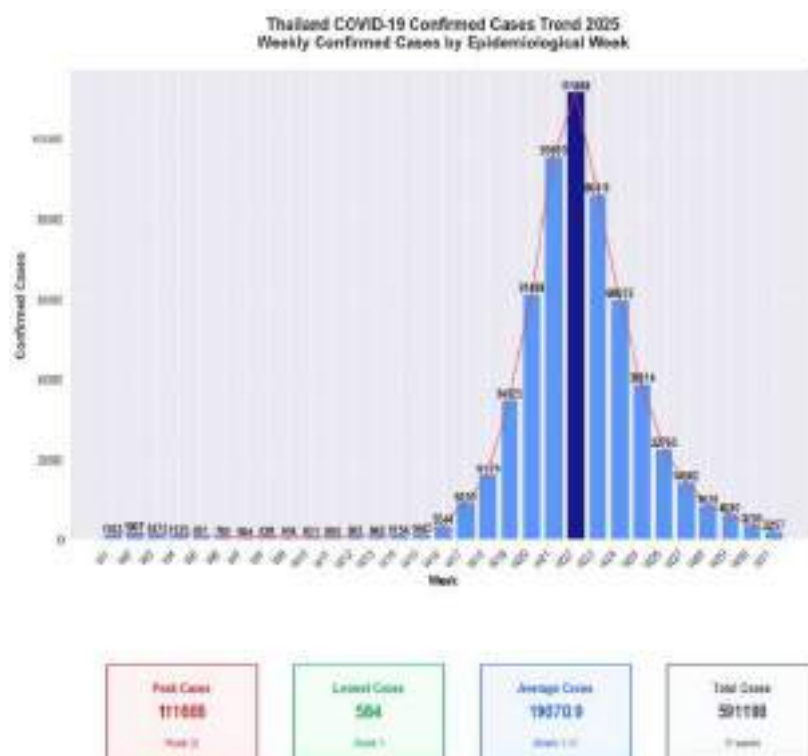
- Based on the last press release by Minister of Health of Singapore on May 13, 2025. The estimated number of COVID-19 cases in the week of 27 April to 3 May 2025 rose to 14,200 cases, compared to 11,100 cases in the previous week.
- At present, LF.7 and NB.1.8 (both descendants of the JN.1 variant) are the main COVID-19 variants circulating in Singapore, together accounting for more than two-thirds of locally sequenced cases.
- From the ILI/SARI Singapore sentinel data, the Covid-19 positivity rate trend has increased significantly to reach 21% in the week 21 of 2025.
- Compared to week 21, trend showing fluctuated up to week 30 with 9% positivity rate.



Source: [Singapore Government](#), accessed on August 5, 2025

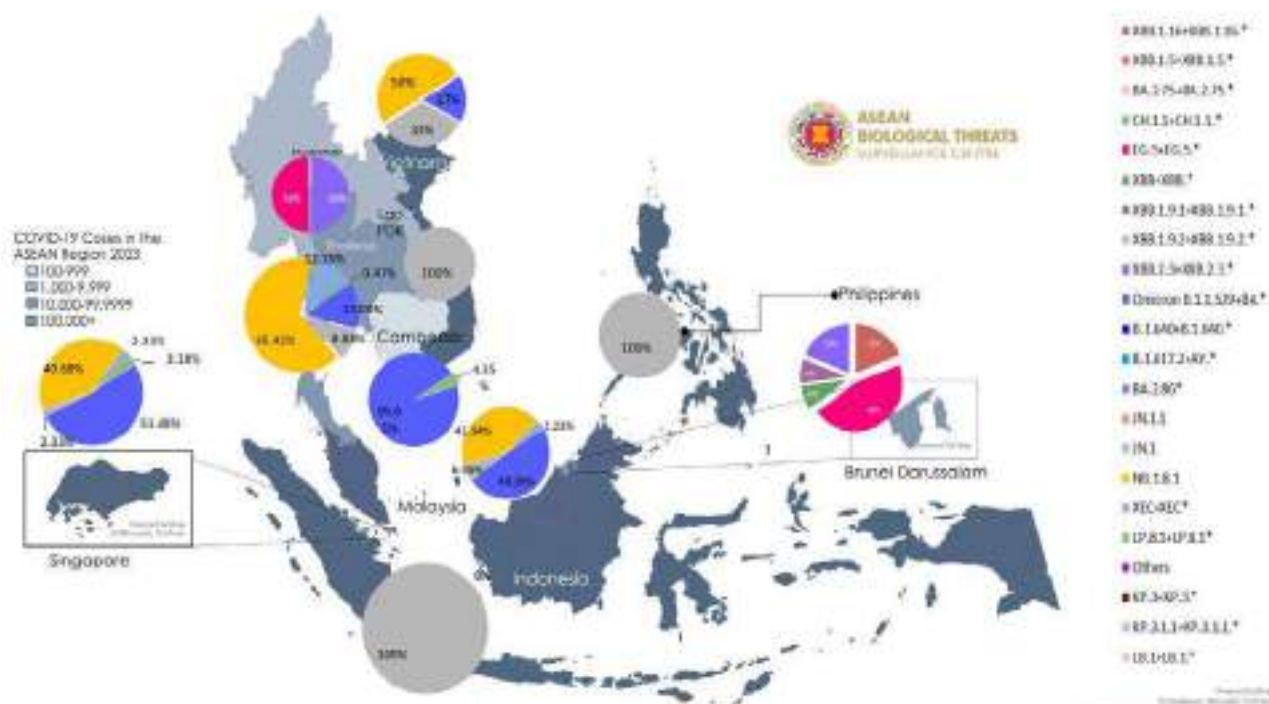
Thailand:

- Early Phase (W1–W15): Sporadic and low case counts with intermittent deaths.
- Acceleration Phase (W16–W21): Rapid, exponential rise in cases indicates a shift to widespread community transmission, potentially due to mass gatherings.
- Week 22 now represents the absolute peak of Thailand's COVID-19, with the highest case count more than 100,000 cases.
- After the week 23, the cases significantly decrease until week 31 by more than 100,000 cases.



Source: [DDC Thailand](#), accessed on August 5, 2025

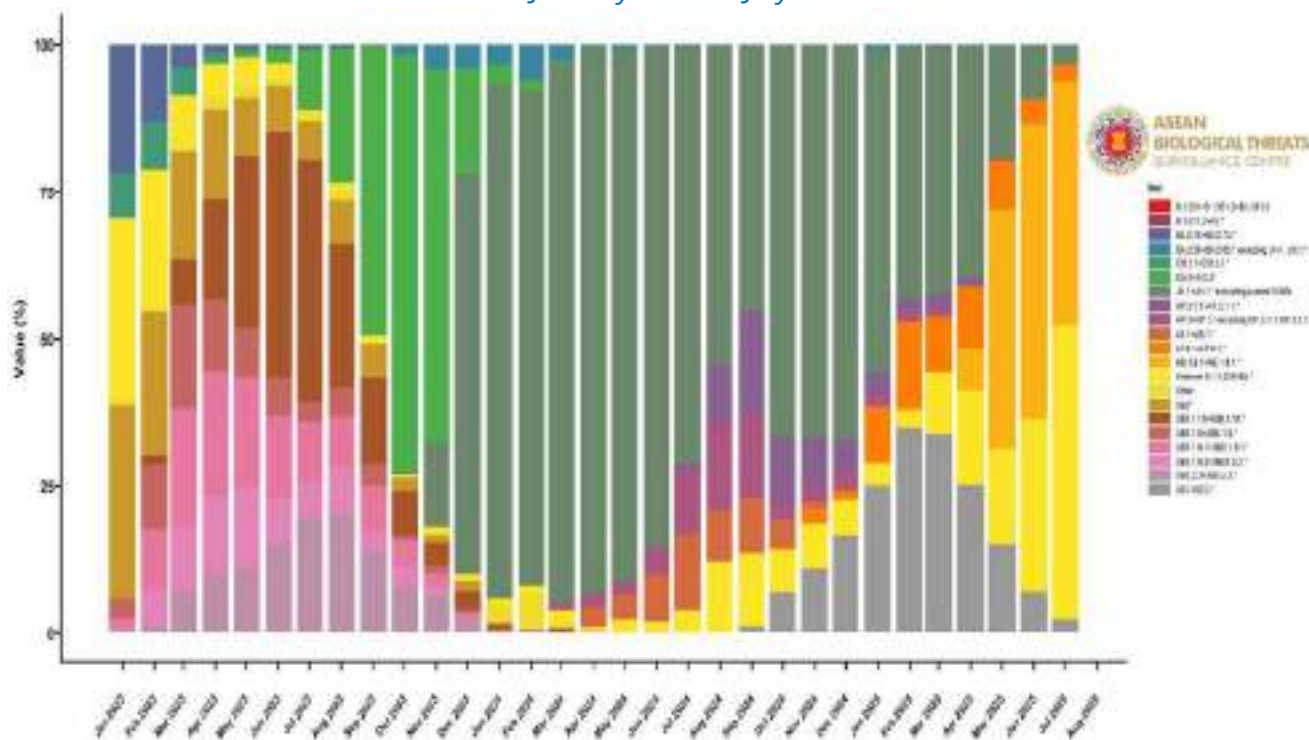
COVID-19 Variants Frequencies Among the ASEAN Member States As of July 2025



Source: GISAID. "hCoV-19 Variants Dashboard," accessed August 5, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

In July 2025, the latest submission on GISAID by Singapore and Malaysia show dominance in **Omicron B.1.1.529+BA.*** variant for both countries followed by **NB.1.8.1**.

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



Source: GISAID. "hCoV-19 Variants Dashboard," accessed August 5, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

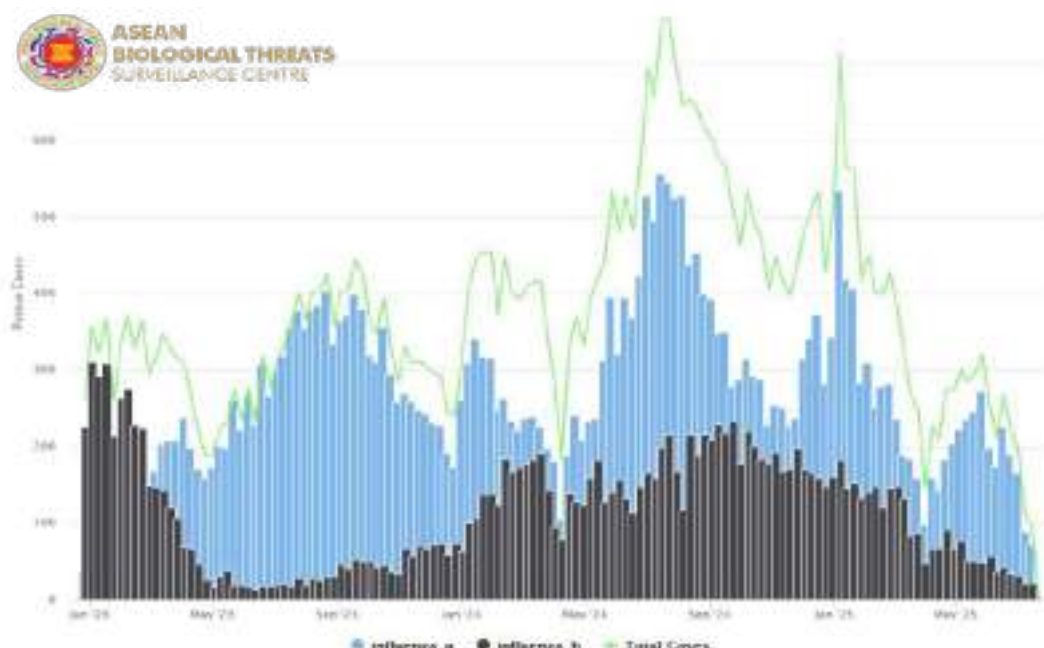
INFLUENZA

Key Findings

- Recently, most influenza cases among ASEAN Member States experience a downward trend.
- 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

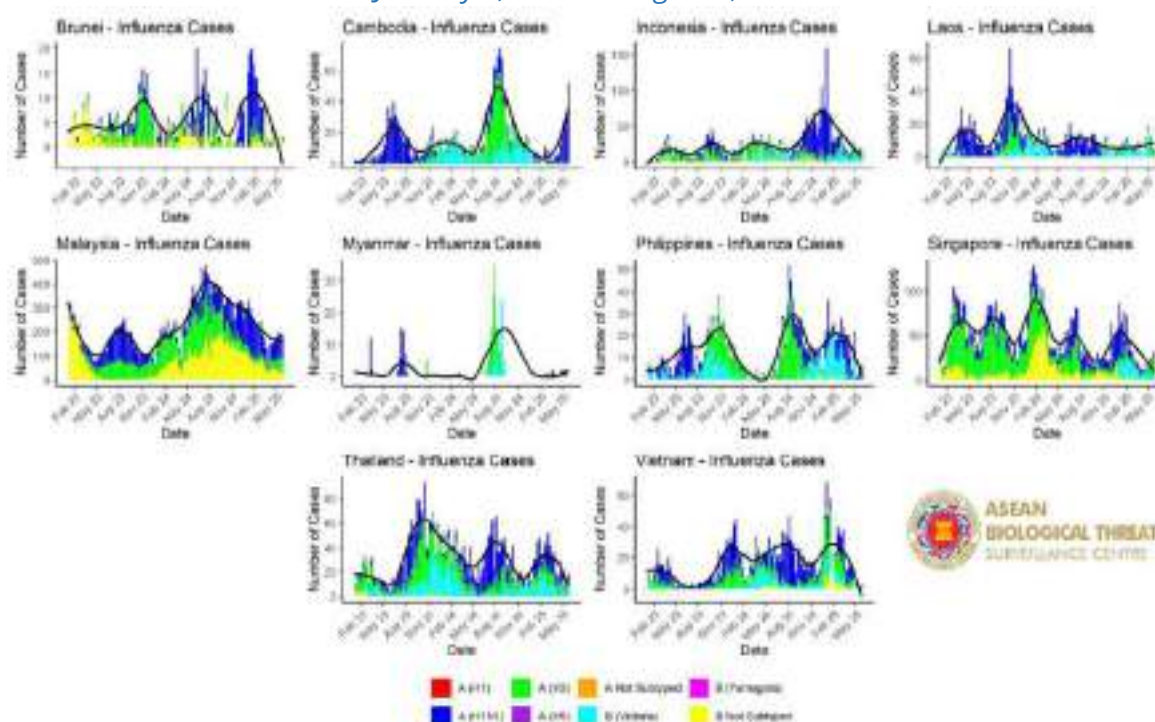
From January 1, 2023 to August 2, 2025



Source: WHO FluNet, accessed on August 5, 2025 (<https://www.who.int/tools/fluNet>)

Trend of Influenza Cases among ASEAN Member States

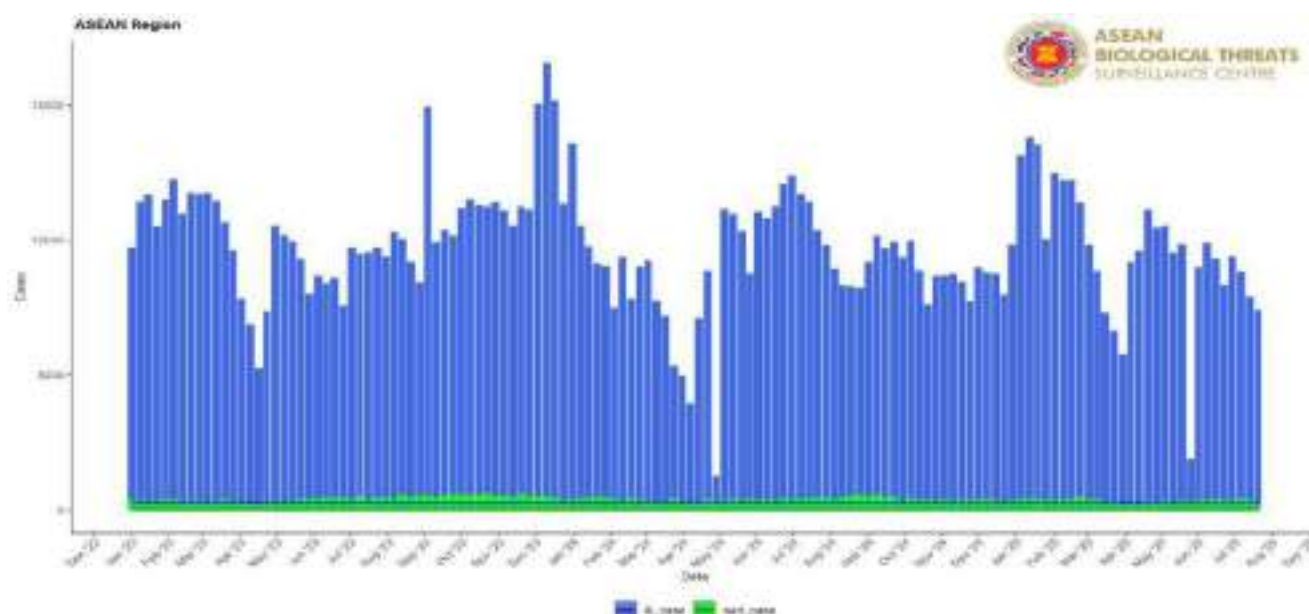
January 1, 2023 to August 2, 2025



Source: WHO FluNet, accessed on August 5, 2025 (<https://www.who.int/tools/fluNet>)

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

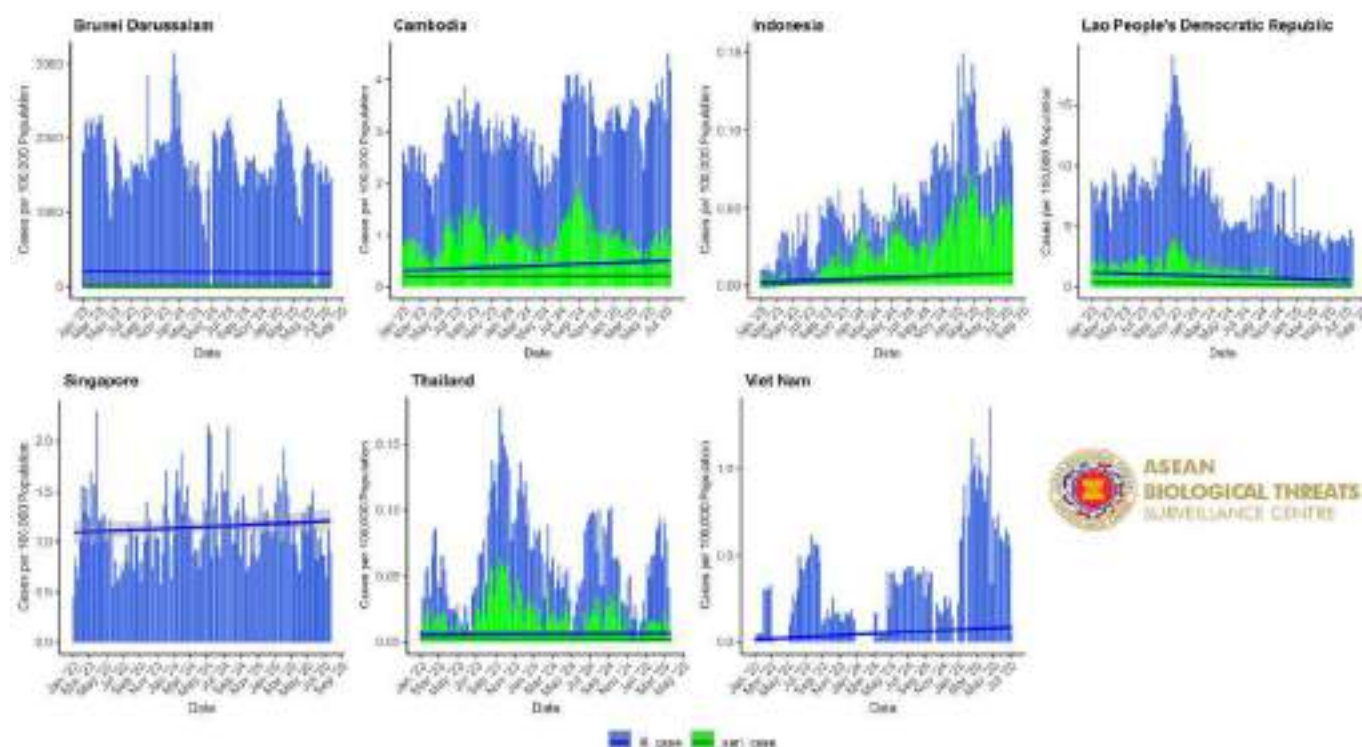
January 1, 2023 to August 2, 2025



Source: WHO FluID, accessed August 5, 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 August 2, 2025



Source: WHO FluID, accessed August 5, 2025 (<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs>)

Zoonosis





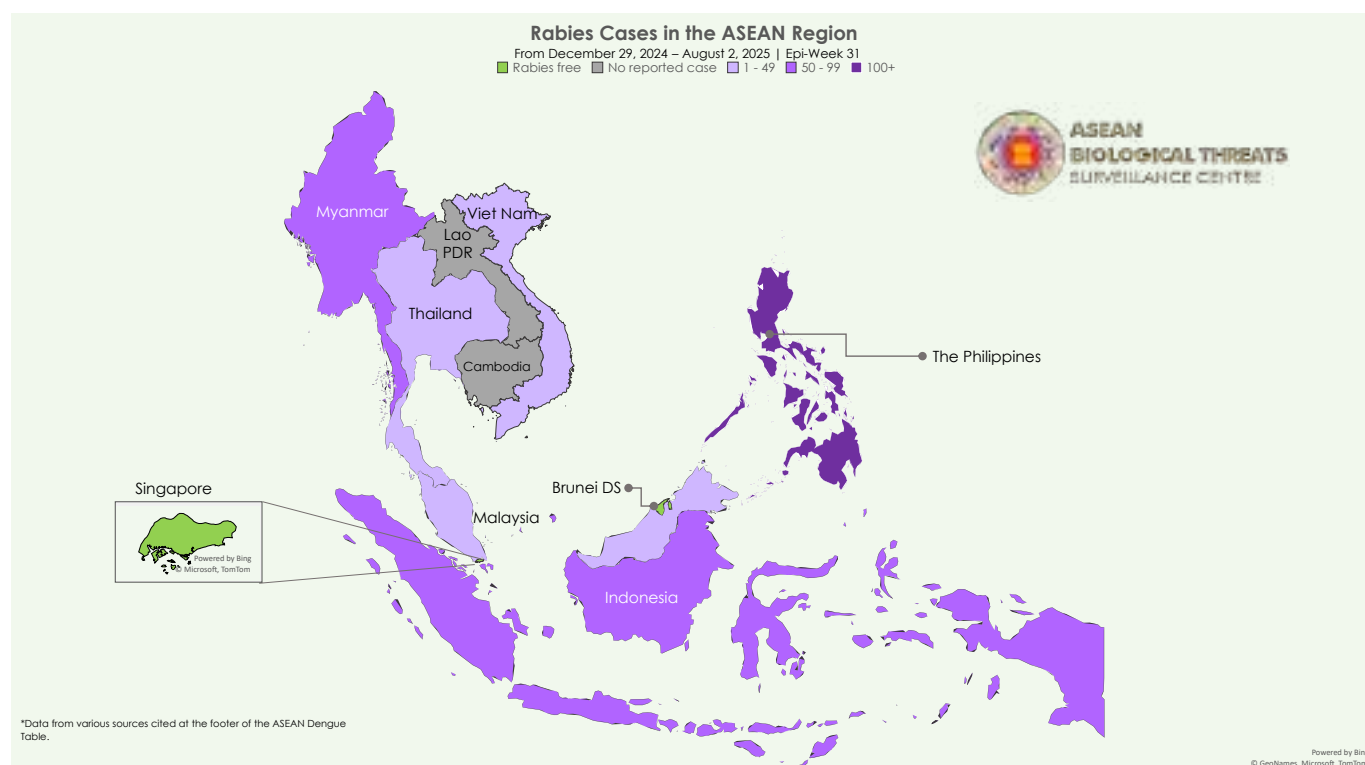
RABIES

Rabies Cases in the ASEAN Region

From December 29, 2024 to August 2, 2025 (Epi-Week 31, 2025)

Key Findings

- The **ASEAN** region reported **seven** new rabies cases in Epiweek 31, 2025.
- Up to August 2, 2025, the region reported **337** 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 31	94	7	94	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 23	1	-	1	100%
Myanmar³	Week 31	69	0	69	100%
Philippines²	Week 22	124	-	124	100%
Singapore			Rabies-free country		
Thailand²	Week 29	7	-	7	100%
Viet Nam²	Week 29	42	-	42	100%
Total		337	7	337	100%

Source:

- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed August 5, 2025 (<https://portal.bluedot.global/>)
- Department of Public Health, Ministry of Health, Myanmar

Vector-Borne Diseases





DENGUE

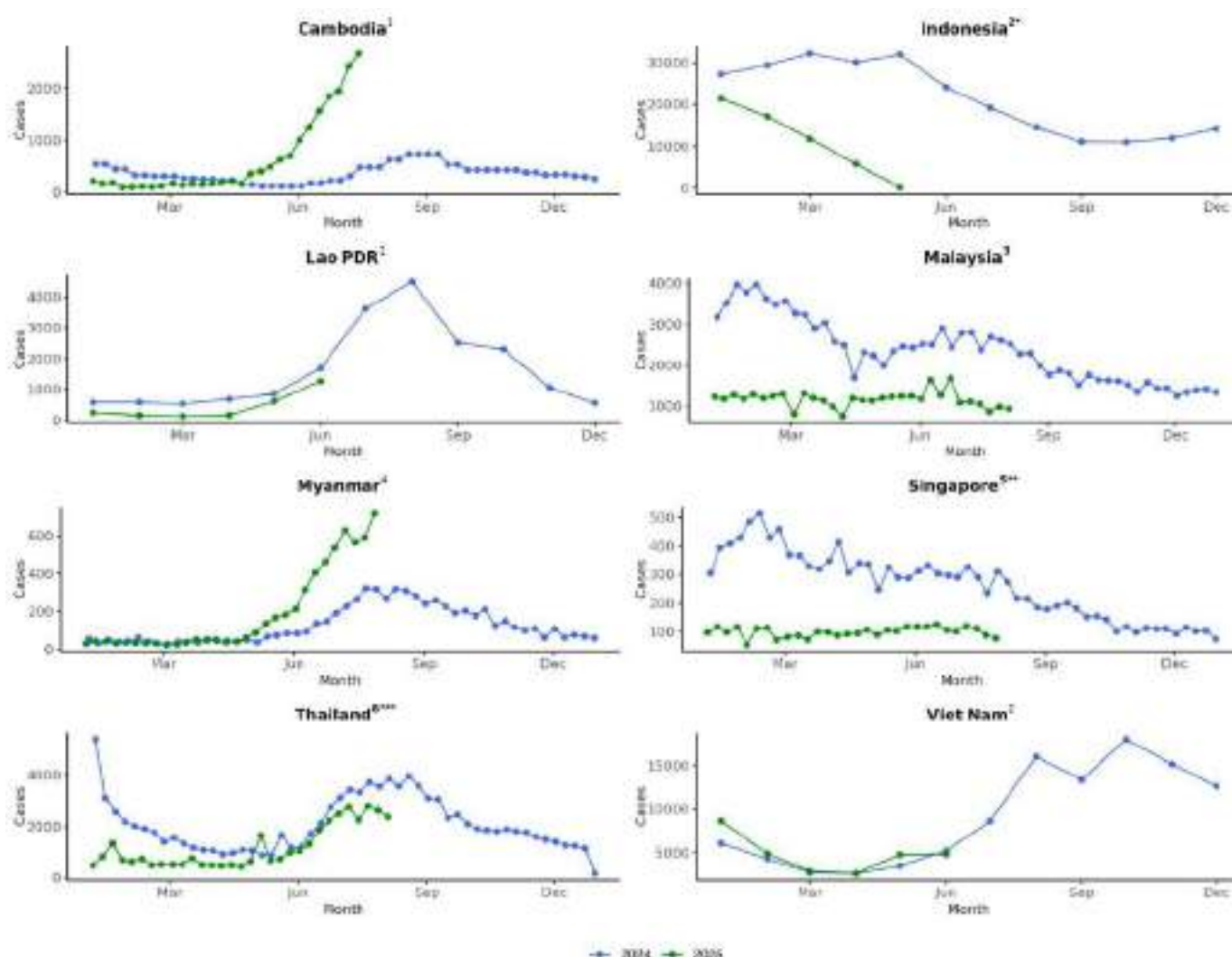
Dengue Cases in the ASEAN Region

From December 29, 2024 to August 2, 2025 (Epi-Week 31, 2025)

Key Findings

- The **ASEAN** region reported **4,103** new dengue cases in Epiweek 31, 2025.
- Up to August 2, 2025, the region reported **186,720** total cases and 316 total deaths with **0.17% CFR**.
- Most dengue trends in 2025 among AMS showing lower number of cases compared to previous year at the same period. Viet Nam showing higher trend of cases compared to previous year. While 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 August 5, 2025 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
- WHO Global Dengue Surveillance, accessed August 5, 2025 (https://worldhealthorg.shinyapps.io/dengue_global/).
- Portal Rasmi iDengue untuk Komuniti, accessed August 5, 2025 (<https://idengue.mysa.gov.my/>).
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health. "Weekly Infectious Disease Bulletin", accessed August 5, 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 August 5, 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



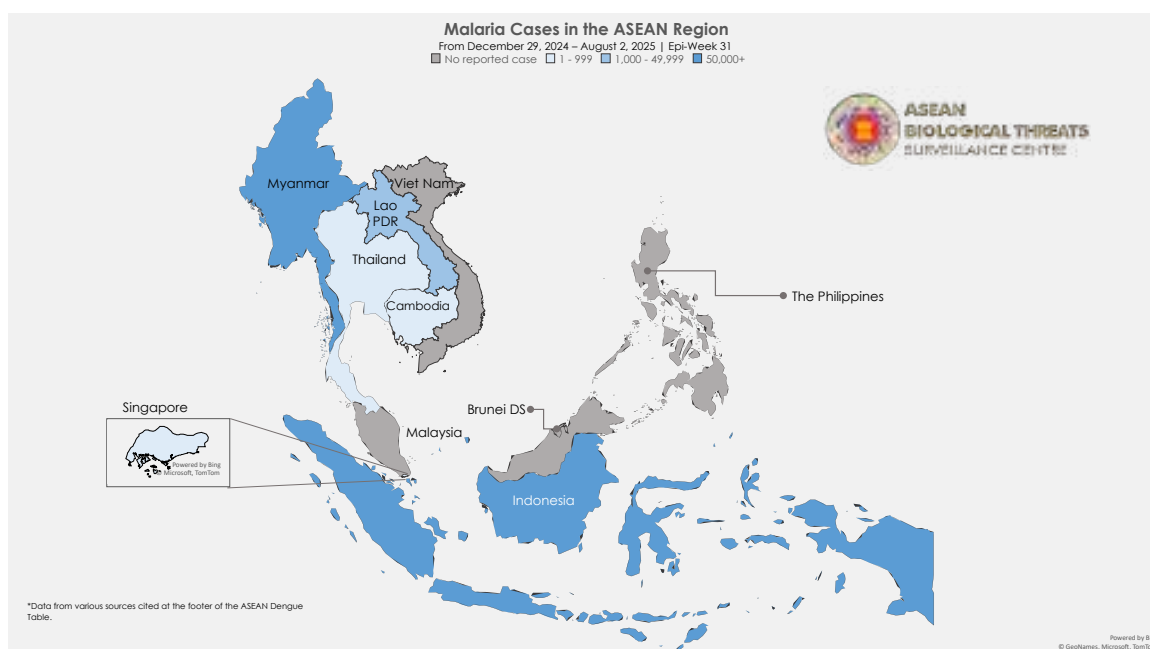
MALARIA

Malaria Cases in the ASEAN Region

From December 29, 2024 to August 2, 2025 (Epi-Week 31, 2025)

Key Findings

- The **ASEAN** region reported **27,888** new malaria cases in Epiweek 31, 2025.
- Up to August 2, 2025, the region reported **475,339** total cases and **76** deaths with **0.02%** CFR.

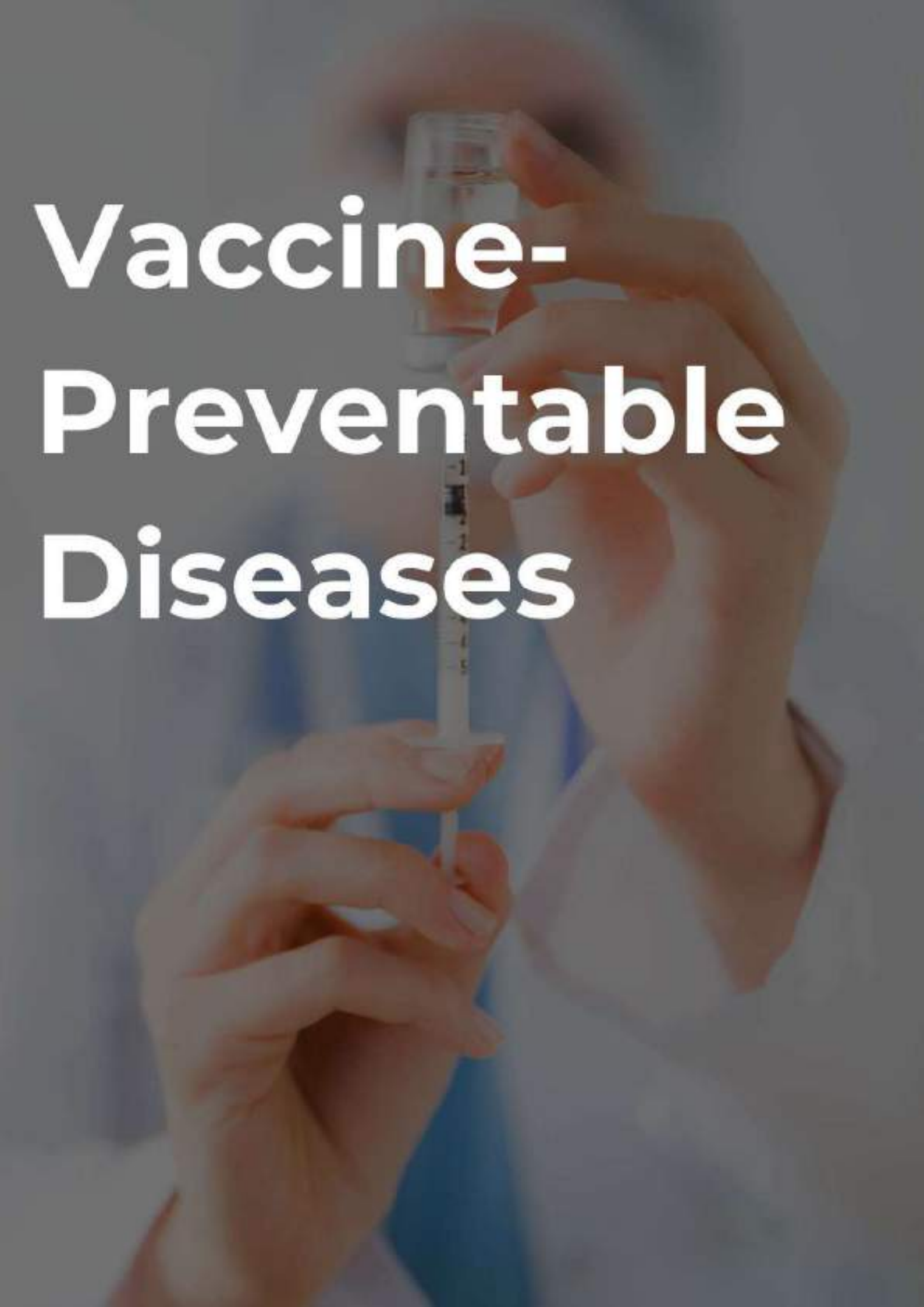


Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Last Week	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 31	73	0	0	0.00%
Indonesia²	Week 31	384,744	23,147	68	0.02%
Lao PDR³	Week 30	4,712	-	1	0.02%
Malaysia	-	-	-	-	-
Myanmar⁴	Week 30	82,965	4,675	5	0.01%
Philippines	-	-	-	-	-
Singapore⁵	Week 30	17	2	0	0.00%
Thailand⁶	Week 31	2,826	64	2	0.07%
Viet Nam	-	-	-	-	-
Total		475,339	27,888	76	0.02%

Source:

- Cambodia National Malaria Center, accessed August 5, 2025 (<https://mis.cnm.gov.kh/Dashboard>)
- Malaria Cases in Indonesia, accessed August 5, 2025 (<https://malaria.kemkes.go.id/case>)
- Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed August 5, 2025 (<https://www.facebook.com/CCEH.MoH.Lao/>)
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health Singapore, accessed August 5, 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 August 5, 2025 (https://dvis3.ddc.moph.go.th/ITDDC_CENTER_DOE/views/DDS2/sheet337%3Aembed=y&%3AisGuestRedirectFromVizportal=y)

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 clear 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.

Vaccine- Preventable Diseases



MEASLES

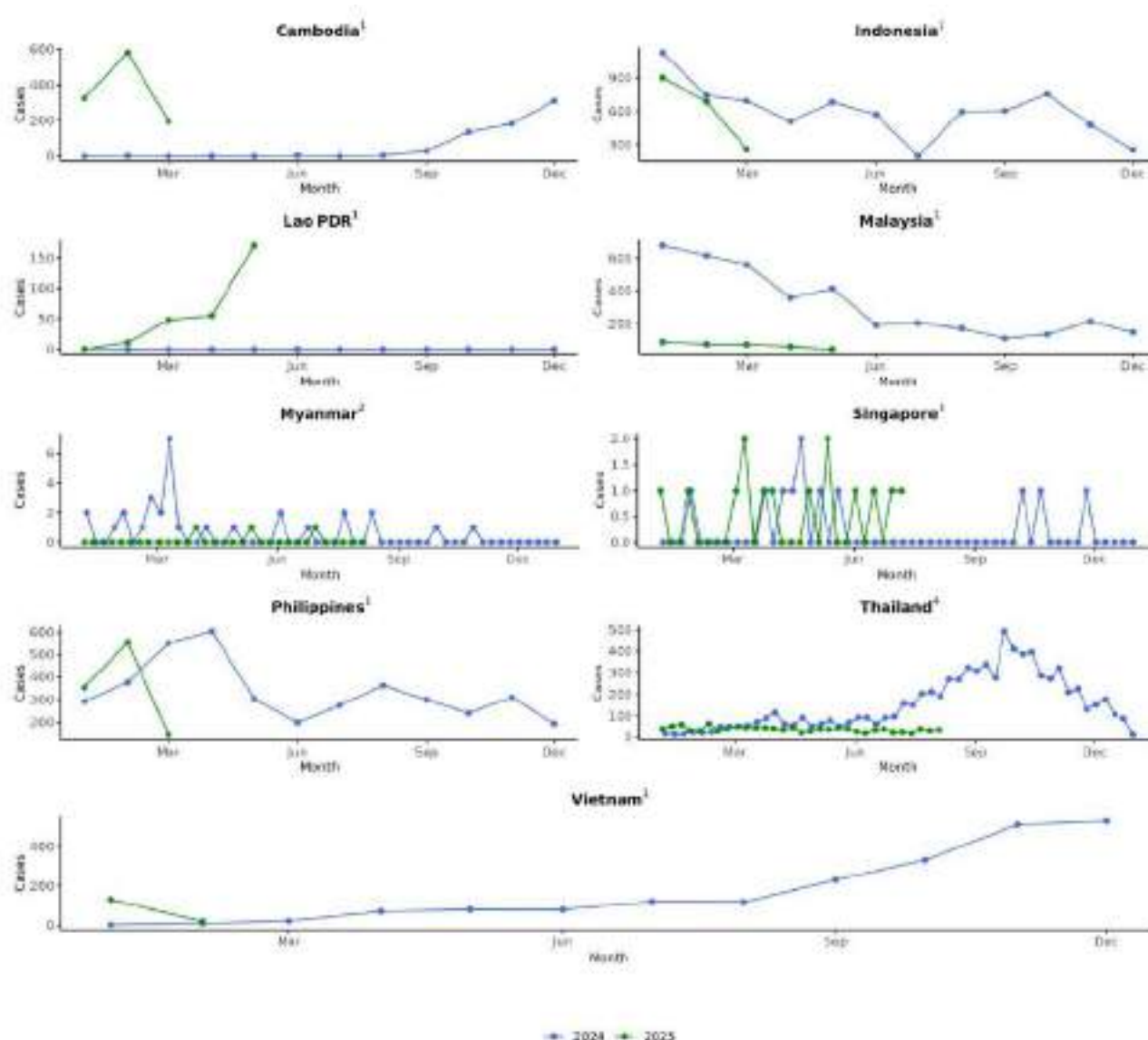
Measles Cases in the ASEAN Region

From December 29, 2024 to August 2, 2025 (Epi-Week 31, 2025)

Key Findings

- The **ASEAN** region reported **33** new measles cases in Epiweek 31, 2025.
- Up to August 2, 2025, the region reported **5,837** 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:

1. Provisional Measles and Rubella Data, World Health Organization, accessed August 5, 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 August 5, 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 August 5, 2025 (<http://doe.moph.go.th/surdata/index.php>)



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