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Morbidity and Mortality Weekly Report (MMWR)

Infectious & Emerging Diseases
in the ASEAN Region

With Support by:



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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 right hand. The background is a blurred indoor setting, possibly a laboratory or a clinical environment.



MPOX

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – September 27, 2025

Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed September 30, 2025, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

Key Findings

- From 1 January 2023 to 27 September 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 Sep. 27, 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 September 30, 2025 (https://worldhealthorg.shinyapps.io/mpox_global/)
4. Ministry of Health Singapore, accessed September 30, 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 Sep. 27, 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 September 30, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

Mpox cases per region (Jan. 1, 2023 to Sep. 27, 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 September 30, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

Trend of Mpox Confirmed Cases in the ASEAN Region

January 1, 2022 to September 27, 2025

Source: Our World in Data, accessed on September 30, 2025 (<https://ourworldindata.org/monkeypox>)

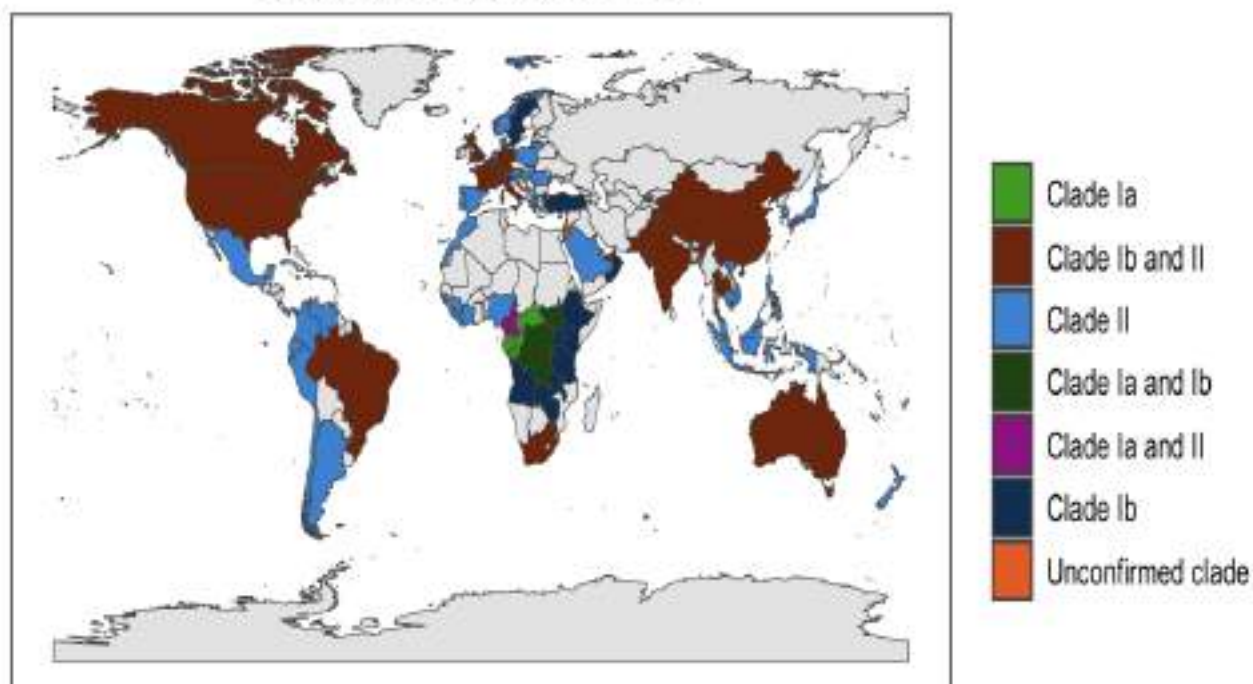
Trend of Mpox Confirmed Cases among ASEAN Member States

January 1, 2022 to September 27, 2025

Source: Our World in Data, accessed on September 30, 2025 (<https://ourworldindata.org/monkeypox>)

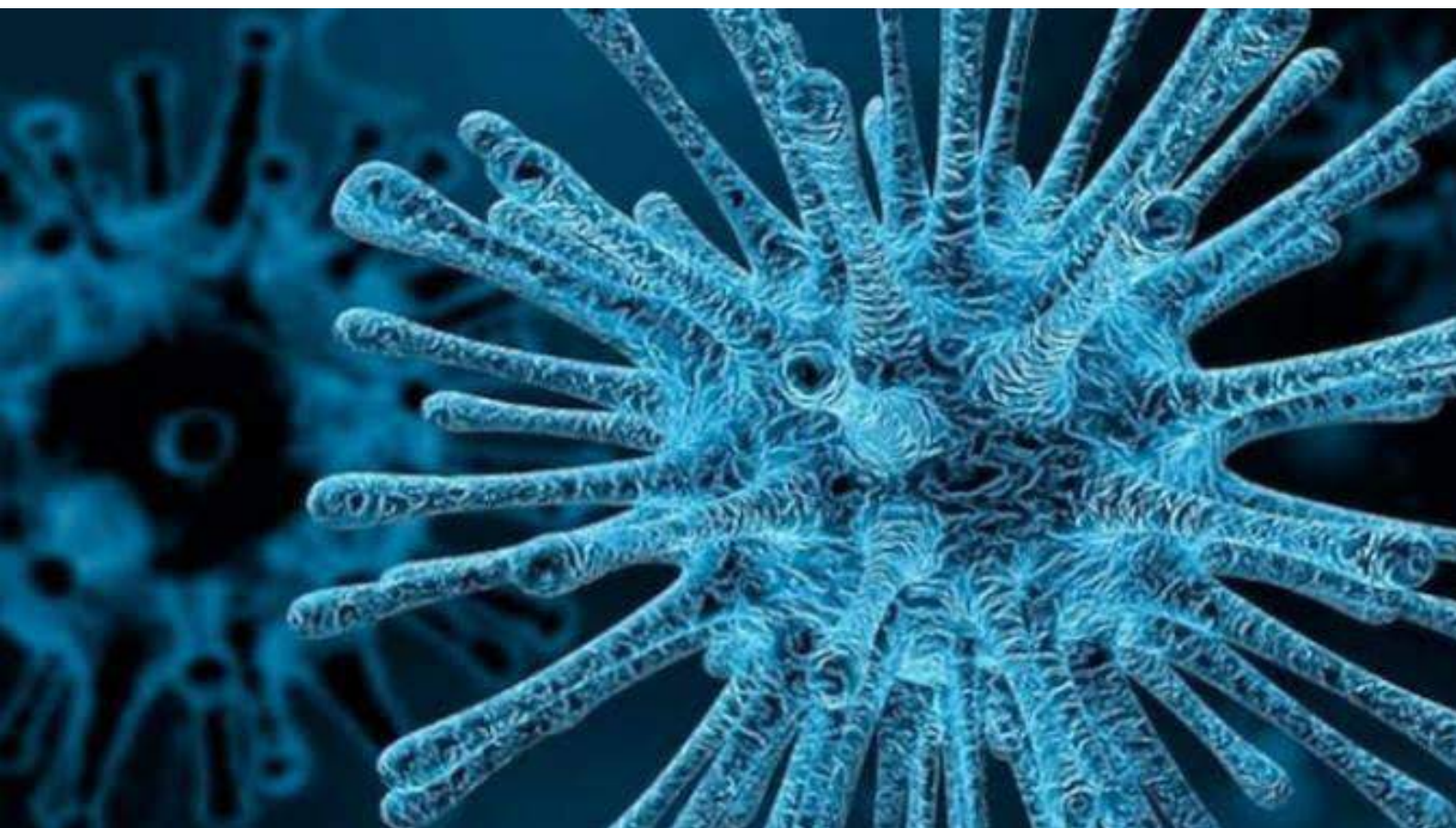
Distribution of Mpox Variants in The Global

As of September 27, 2025



Source: GISAID and WHO

Distribution of Mpox Variants in the ASEAN and Neighbouring Countries and Areas As of September 27, 2025





COVID-19

Key Findings

- As of 27 September 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, and Viet Nam were dominated by **NB.1.8.1** variant. Malaysia and 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 September 27, 2025

Sources: [Singapore Government](#), [MOH Indonesia](#), [MOH Cambodia](#), [DDC Thailand](#), MOH Myanmar, [MOH Malaysia](#), and [WHO](#) accessed on September 30, 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 39.
- 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: GISAID. "hCoV-19 Variants Dashboard," accessed September 30, 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, and Viet Nam were dominated by **NB.1.8.1** variant. Malaysia and 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 September 30, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.



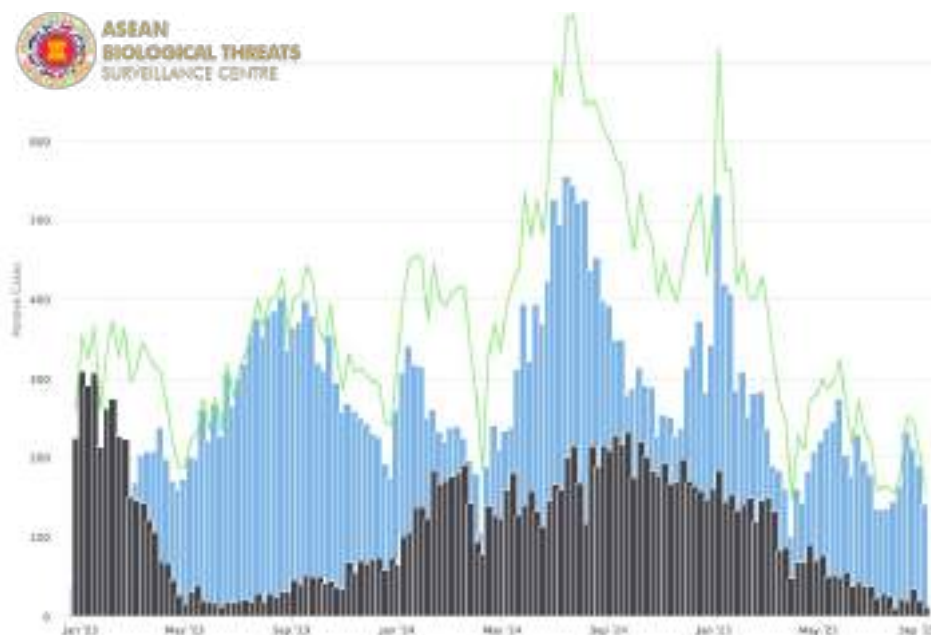
INFLUENZA

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 September 27, 2025



Source: WHO FluNet, accessed on September 30, 2025 (<https://www.who.int/tools/flunet>)

Trend of Influenza Cases among ASEAN Member States

January 1, 2023 to September 27, 2025

Source: WHO FluNet, accessed on September 30, 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 September 27, 2025

Source: WHO FluID, accessed September 30, 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 September 27, 2025

Source: WHO FluID, accessed September 30, 2025 (<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs>)

Zoonosis





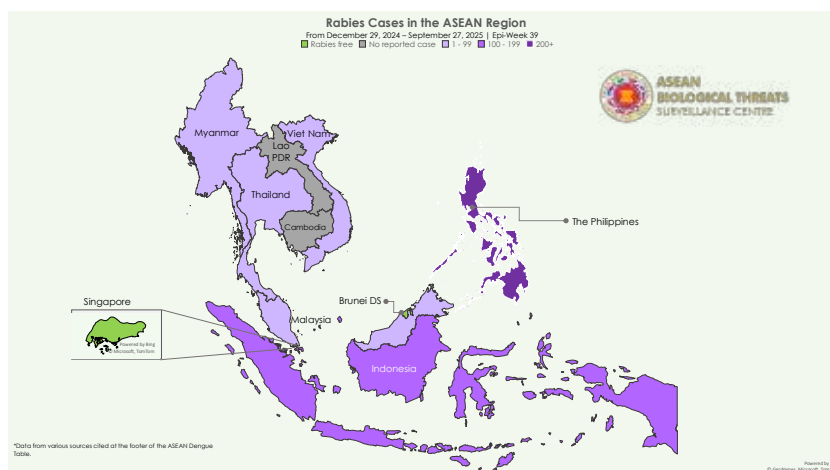
RABIES

Rabies Cases in the ASEAN Region

From December 29, 2024 to September 27, 2025 (Epi-Week 39, 2025)

Key Findings

- The **ASEAN** region reported **three** new rabies cases in Epiweek 39, 2025.
- Up to September 27, 2025, the region reported **476** 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 38	124	-	124	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 39	4	2	4	100%
Myanmar³	Week 39	88	1	88	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		476	3	476	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 September 30, 2025 (<https://portal.bluedot.global/>)
- Department of Public Health, Ministry of Health, Myanmar
- World Organization for Animal Health (WOAH), accessed September 30, 2025 (<https://wahis.woah.org/#/event-management>)

Vector-Borne Diseases





DENGUE

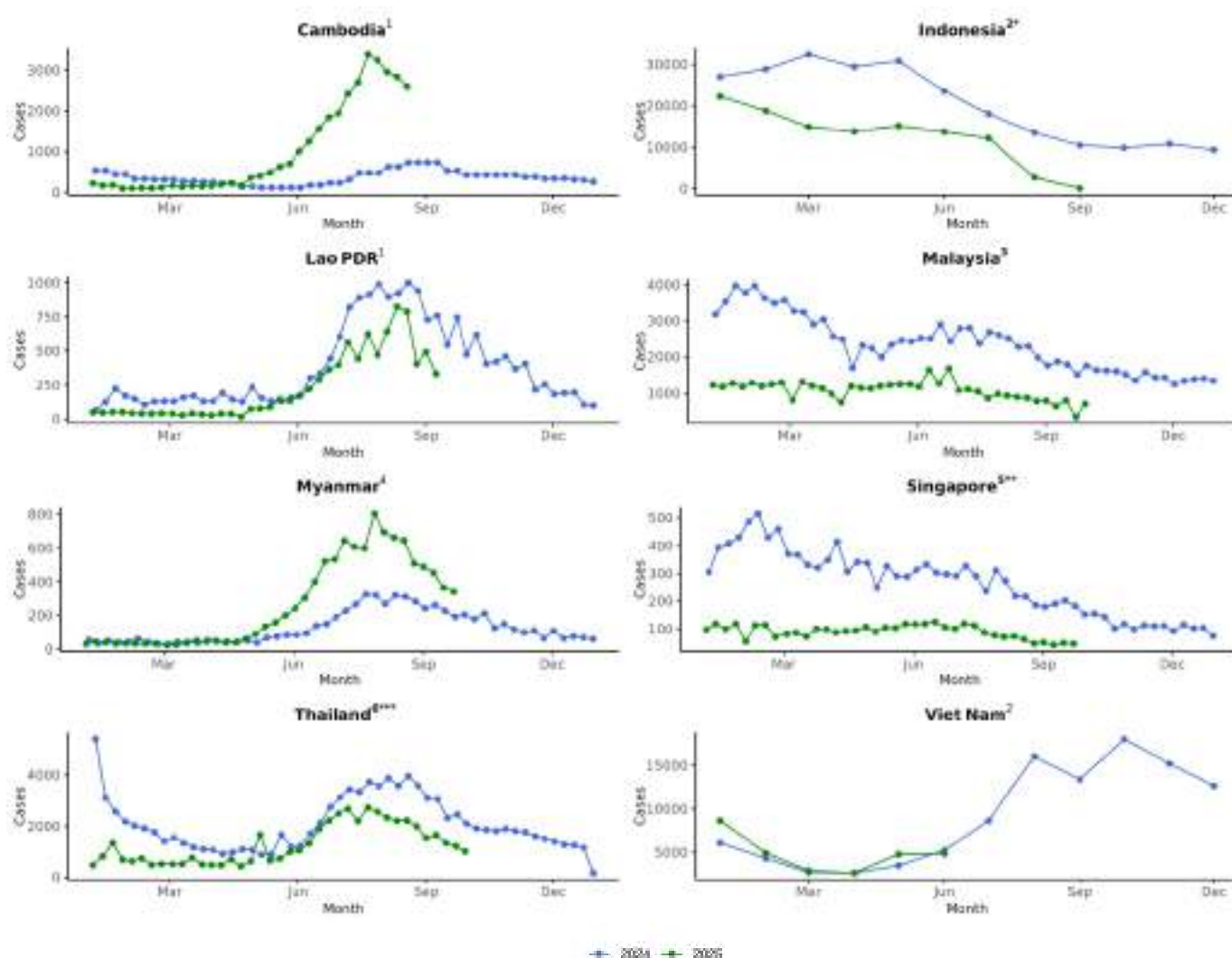
Dengue Cases in the ASEAN Region

From December 29, 2024 to September 27, 2025 (Epi-Week 39, 2025)

Key Findings

- The **ASEAN** region reported **2,440** new dengue cases in Epiweek 39, 2025.
- Up to September 27, 2025, the region reported **340,483** total cases and 648 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 September 30, 2025 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
- WHO Global Dengue Surveillance, accessed September 30, 2025 (https://worldhealthorg.shinyapps.io/dengue_global/).
- Portal Rasmi iDengue untuk Komuniti, accessed September 30, 2025 (<https://idengue.mysa.gov.my/>).
- Department of Public Health, Ministry of Health, Myanmar
- Ministry of Health. "Weekly Infectious Disease Bulletin", accessed September 30, 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 September 30, 2025, (https://dvis3.ddc.moph.go.th/v/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



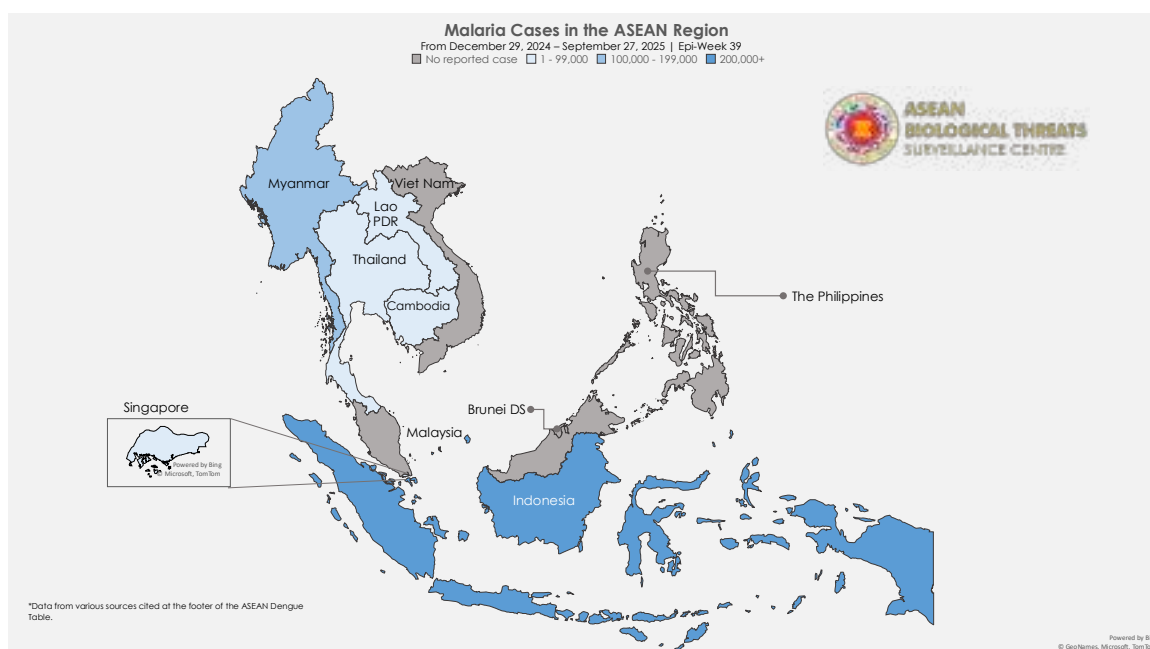
MALARIA

Malaria Cases in the ASEAN Region

From December 29, 2024 to September 27, 2025 (Epi-Week 39, 2025)

Key Findings

- The **ASEAN** region reported **16,918** new malaria cases in Epiweek 39, 2025.
- Up to September 27, 2025, the region reported **626,152** total cases and **85** deaths with **0.01%** CFR.

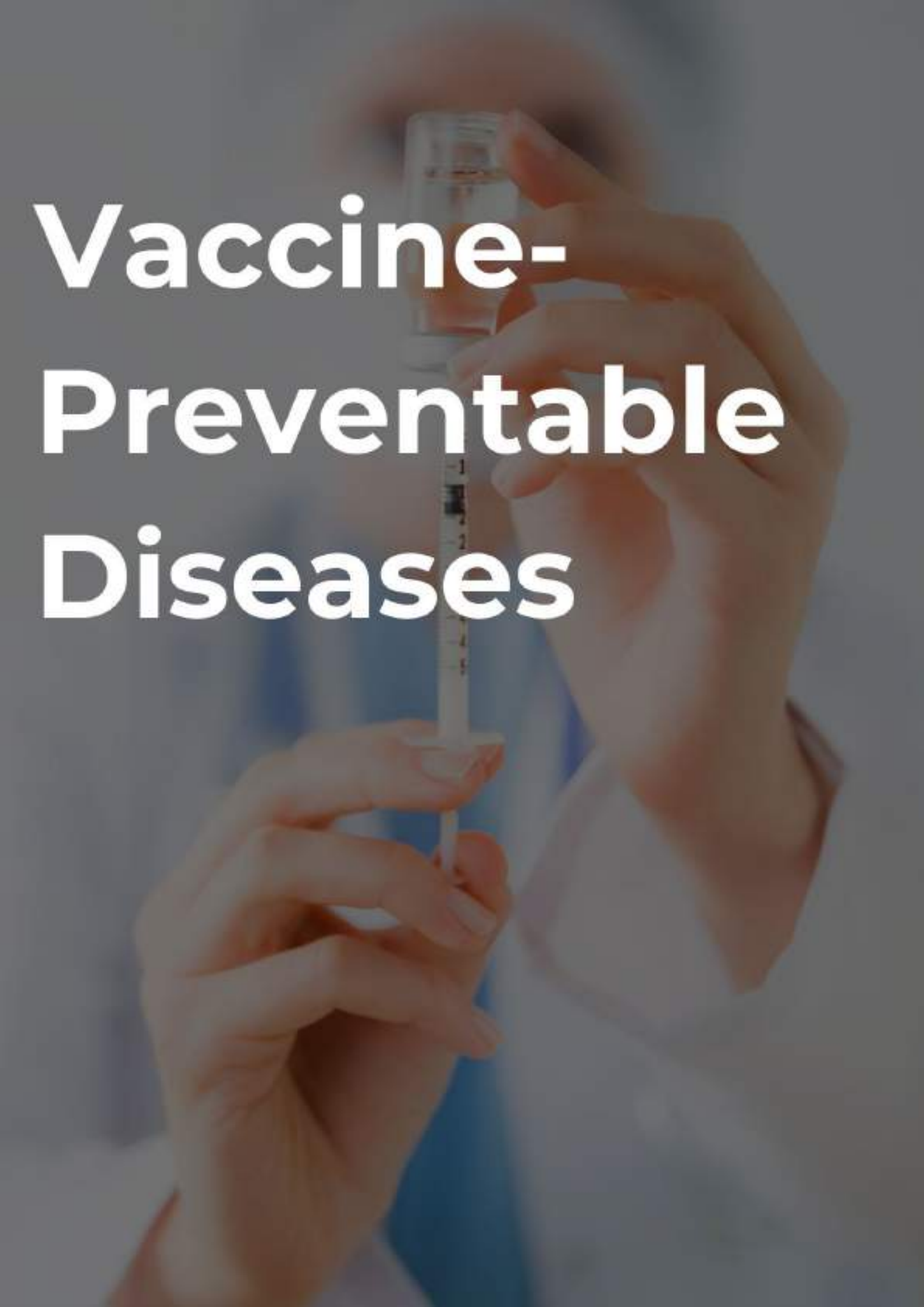


Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Cases	New Cases Since Last Week	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 39	98	4	0	0.00%
Indonesia²	Week 39	503,353	16,421	76	0.02%
Lao PDR³	Week 39	9,230	451	1	0.01%
Malaysia	-	-	-	-	-
Myanmar⁴	Week 31	110,069	-	5	0.005%
Philippines	-	-	-	-	-
Singapore⁵	Week 38	28	0	0	0.00%
Thailand⁶	Week 39	3,374	42	3	0.09%
Viet Nam	-	-	-	-	-
Total		626,152	16,918	85	0.01%

- Source:
- Cambodia National Malaria Center, accessed September 30, 2025 (<https://mis.cnm.gov.kh/Dashboard>)
 - Malaria Cases in Indonesia, accessed September 30, 2025 (<https://malaria.kemkes.go.id/case>)
 - Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed September 30, 2025 (<https://www.facebook.com/CCEH.MoH.Lao/>)
 - Department of Public Health, Ministry of Health, Myanmar
 - Ministry of Health Singapore, accessed September 30, 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 September 30, 2025 (https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOE/views/DDS2/sheet337%3Aembed=y&%3AisGuestRedirectFromVizportal=y)

Vaccine- Preventable Diseases

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.

MEASLES

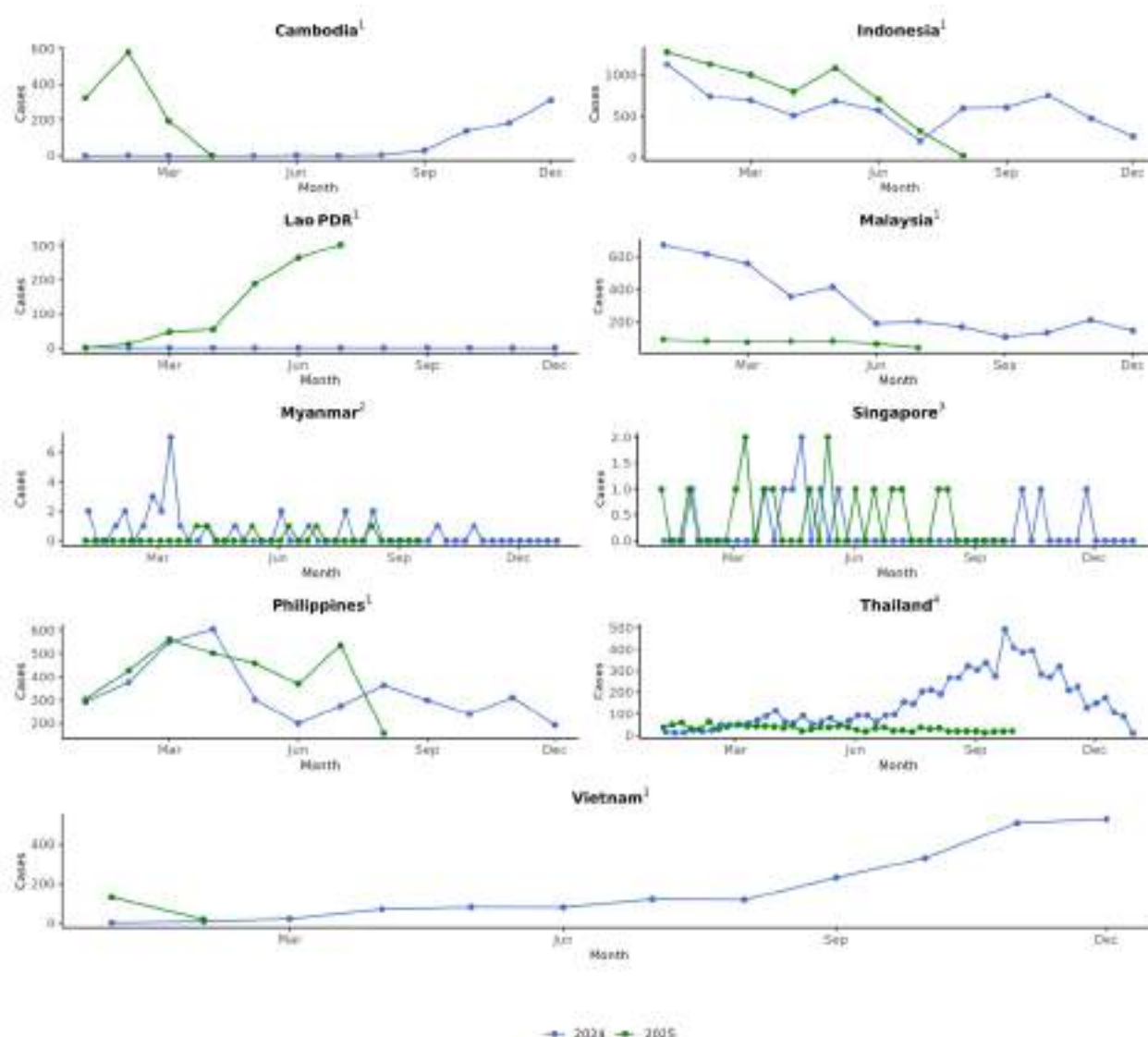
Measles Cases in the ASEAN Region

From December 29, 2024 to September 27, 2025 (Epi-Week 39, 2025)

Key Findings

- The **ASEAN** region reported **19** new measles cases in Epiweek 39, 2025.
- Up to September 27, 2025, the region reported **13,559** 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 September 30, 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 September 30, 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 September 30, 2025 (<http://doe.moph.go.th/surdata/index.php>)



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