



ASEAN
BIOLOGICAL THREATS
SURVEILLANCE CENTRE

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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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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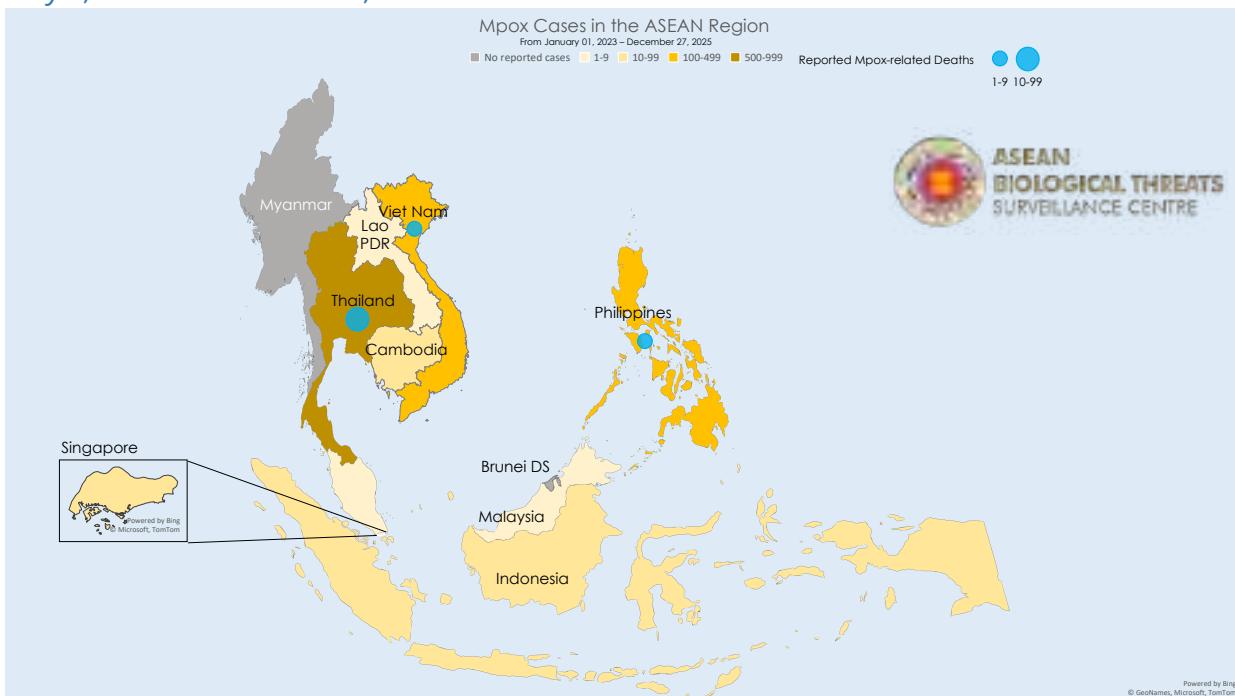
Emerging Diseases



MPOX

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – December 27, 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 December 30, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed December 30, 2025, <https://www.cda.gov.sg/resources/weekly-infectious-diseases-bulletin-2025/>

Key Findings

- From 1 January 2023 to 27 December 2025, **88,754** confirmed cases worldwide since 2023, including **423** deaths. Globally, the CFR was **0.48 %**.
- **1,757 confirmed cases** including **30 deaths** in the **ASEAN** region, with a CFR of **1.71%**.
- **86,997 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 Dec. 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	24	0	0	0	0.00%
Philippines³	346	0	8	0	2.31%
Singapore⁴	71	0	0	0	0.00%
Thailand³	999	0	13	0	1.30%
Vietnam³	209	0	9	0	4.31%
ASEAN Total	1,757	0	30	0	1.71%

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 December 30, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed December 30, 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 Dec. 27, 2025)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Democratic Republic of Congo	32,354	0	80	0.25%
Uganda	8,406	0	51	0.61%
United States of America	6,464	0	10	0.15%
Sierra Leone	5,442	0	60	1.10%
Burundi	4,596	0	1	0.02%

Source: WHO Mpox Outbreak: Global Trends, accessed December 30, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

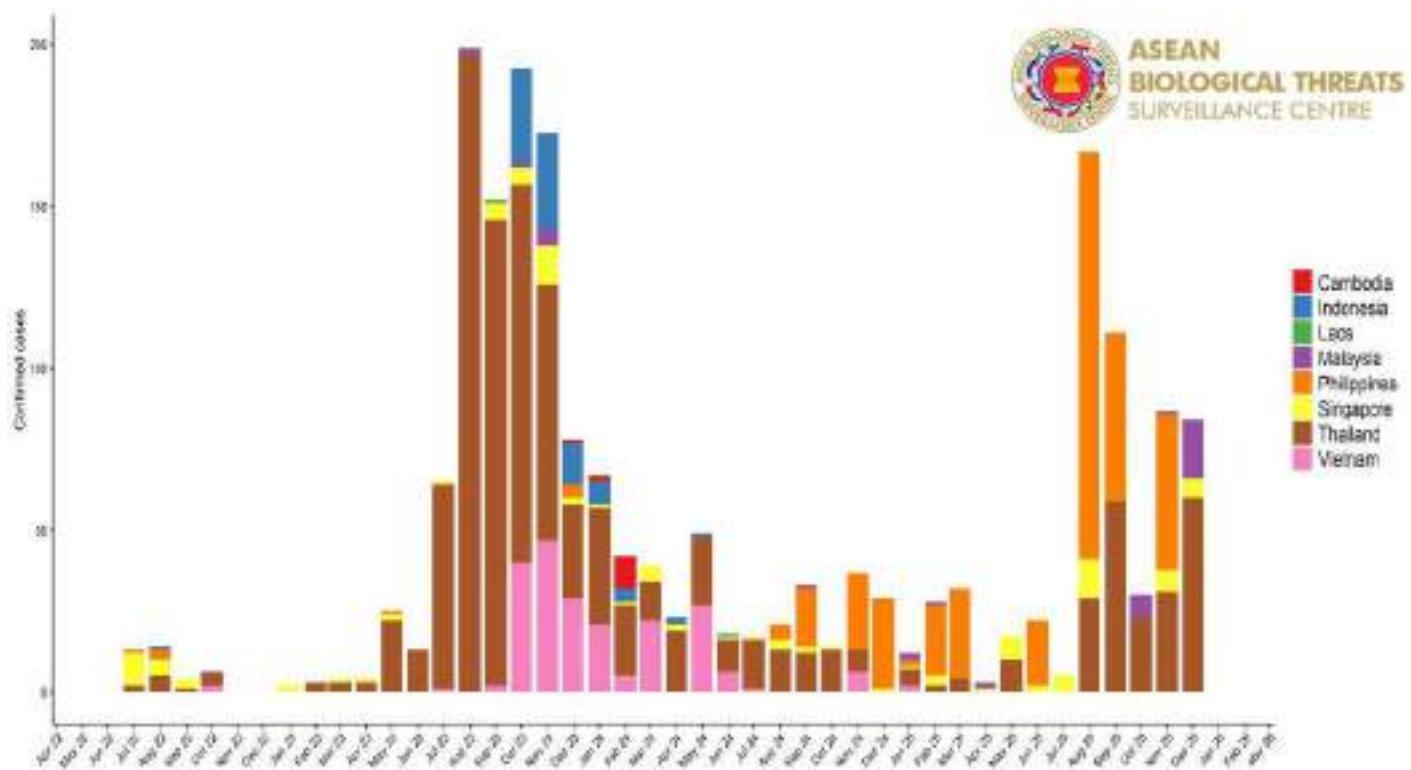
Mpox cases per region (Jan. 1, 2023 to Dec. 27, 2025)

REGIONS	CUMULATIVE CASES 2023-2025	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	58,177	0	252	0.43%
AMERICAS	14,405	0	102	0.71%
ASEAN	1,757	0	30	1.71%
ASIA & OCEANIA	8,751	0	34	0.39%
EUROPE	5,664	0	5	0.09%
TOTAL	88,754	0	423	0.48%

Source: WHO Mpox Outbreak: Global Trends, accessed December 30, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)

Trend of Mpox Confirmed Cases in the ASEAN Region

January 1, 2022 to December 27, 2025

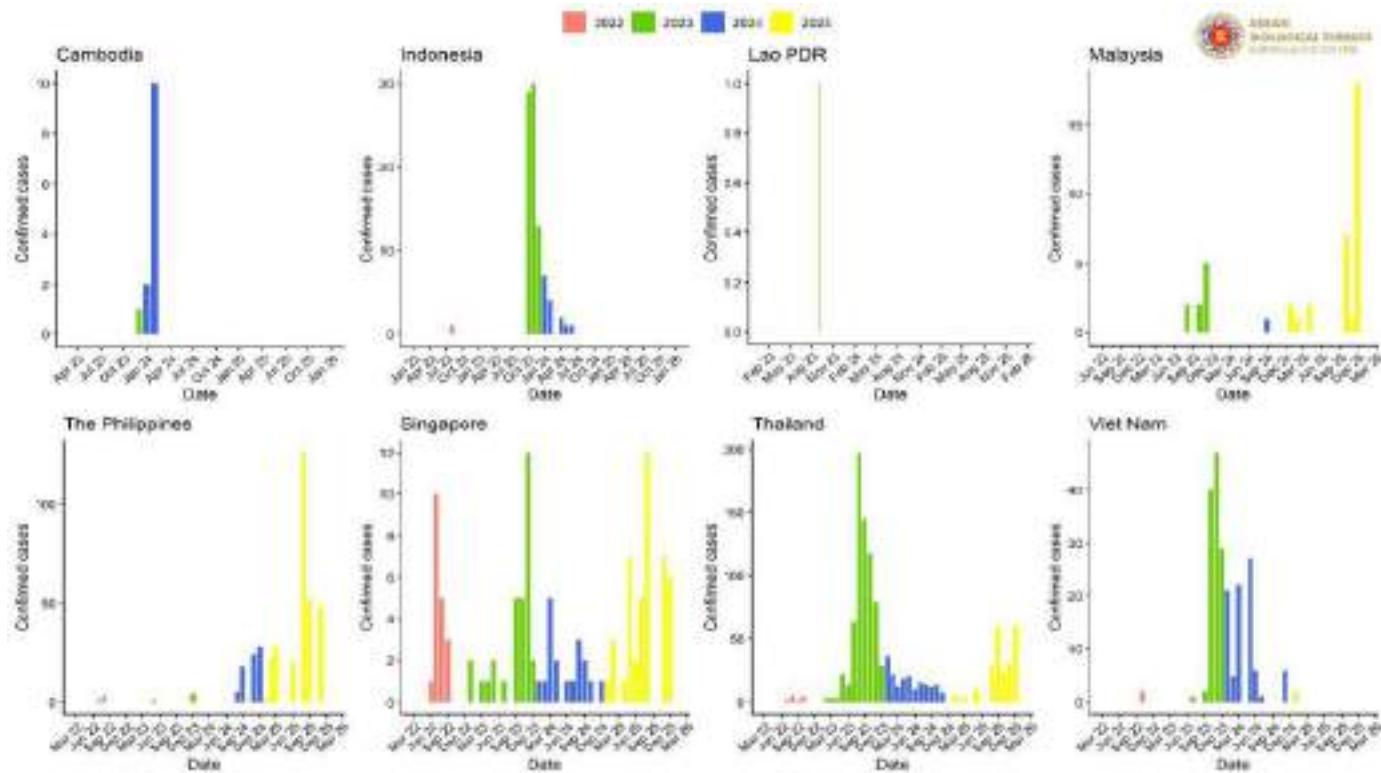


Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia (<https://infeksiemerging.kemkes.go.id>)
3. WHO Mpox Outbreak: Global Trends, accessed December 30, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed December 30, 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 December 27, 2025

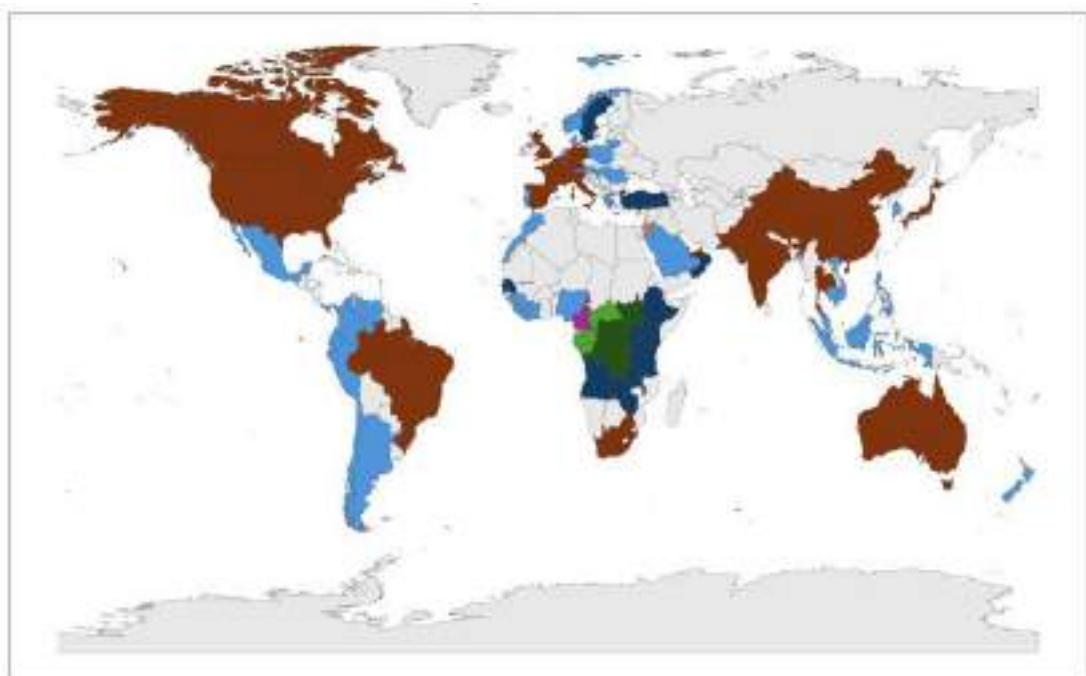


Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia (<https://infeksiemerging.kemkes.go.id>)
3. WHO Mpox Outbreak: Global Trends, accessed December 30, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed December 30, 2025, <https://www.cda.gov.sg/resources/weekly-infectious-diseases-bulletin-2025/>

Distribution of Mpox Variants in The Global

As of December 27, 2025



- Clade Ia
- Clade Ib and II
- Clade II
- Clade Ia and Ib
- Clade Ia and II
- Clade IIb
- Unconfirmed data

Source: GISAID and WHO

Distribution of Mpox Variants in the ASEAN and Neighbouring Countries and Areas

As of December 27, 2025

Distribution of Mpox Variant (Clade) in ASEAN and Neighbouring Countries and Areas



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 December 30, 2025 (https://worldhealthorg.shinyapps.io/mpx_global/)
4. Communicable Disease Agency, Ministry of Health Singapore, accessed December 30, 2025, <https://www.cda.gov.sg/resources/weekly-infectious-diseases-bulletin-2025/>

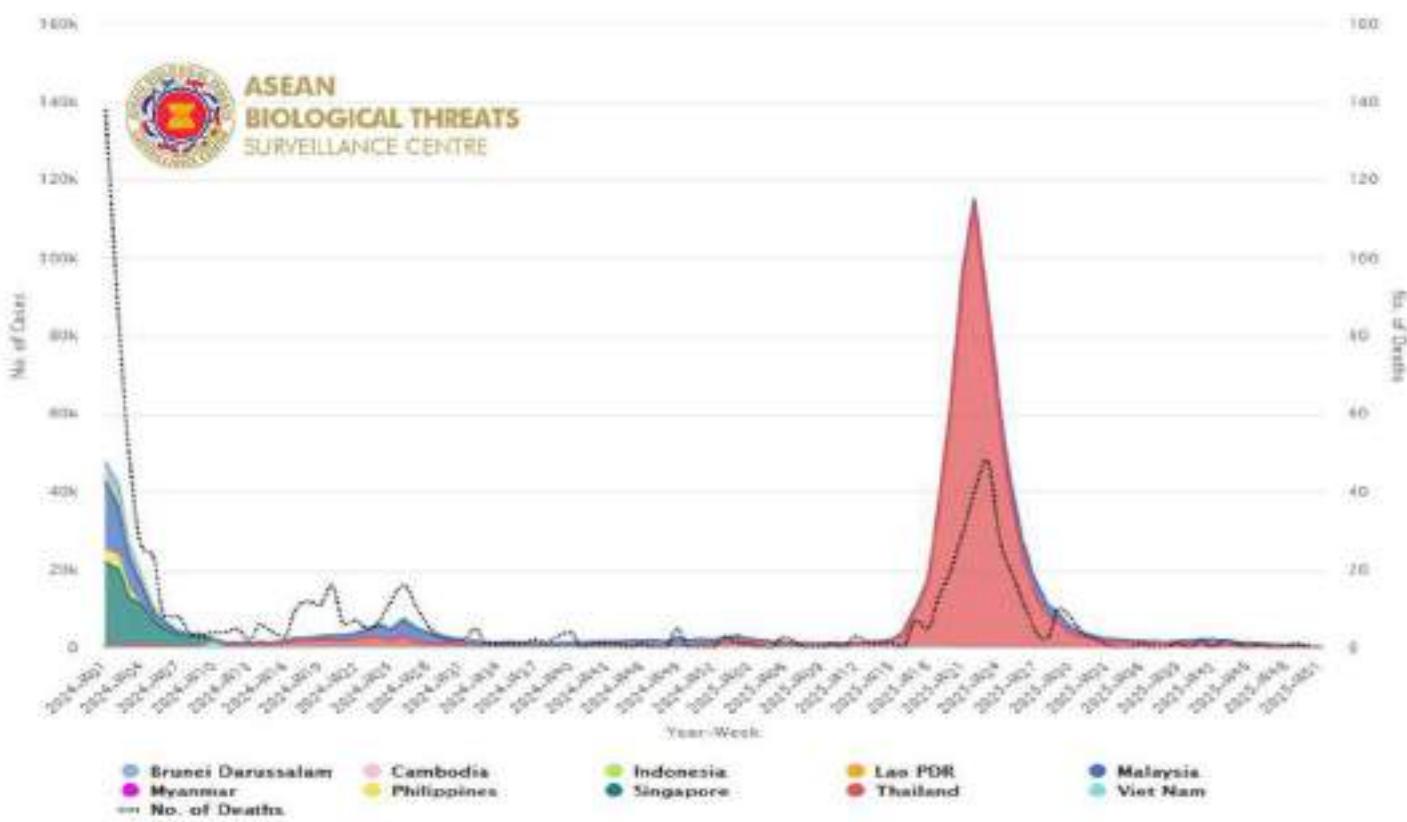
COVID-19

Key Findings

- As of 27 December 2025 (5PM, GMT+7), there were **778.874.016** confirmed cases **worldwide**, including **7.102.844 deaths**. Globally, the Case Fatality Rate (CFR) was **0.91%**.
- 37.762.960 total confirmed cases** of COVID-19 have been reported in the **ASEAN Region**.
- The CFR in the **ASEAN Region** was **0.98%**.
- In December 2025, the latest collection on GISAID by Indonesia and Brunei Darussalam showed dominance in **Omicron B.1.1.529+BA.*** variant. Meanwhile, other member states such as Lao PDR, Cambodia, Malaysia, Thailand, and Viet Nam were still dominated by **NB.1.8.1** variant. Additionally, Singapore was dominated by **XFG+XFG***.

ASEAN Weekly COVID-19 Cases and Deaths

From January 1, 2024 to December 27, 2025



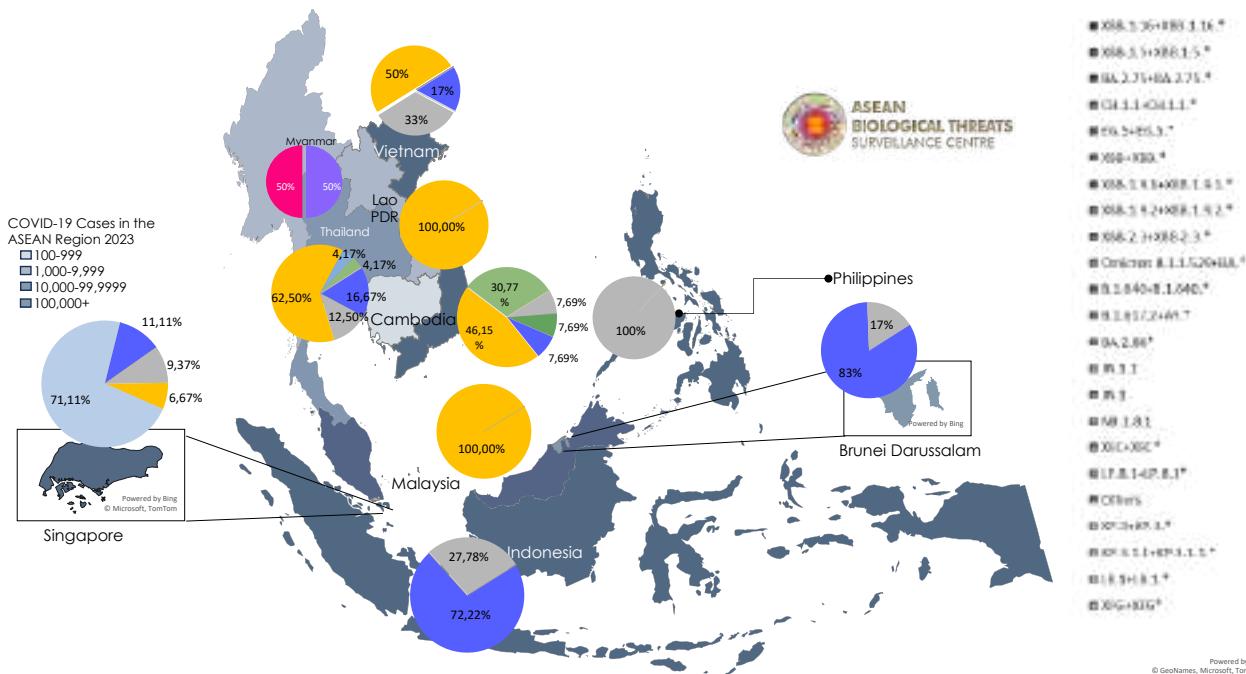
Sources: [Singapore Government](#), [MOH Indonesia](#), [MOH Cambodia](#), [DDC Thailand](#), MOH Myanmar, [MOH Malaysia](#), and [WHO](#) accessed on December 30, 2025

- 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 51.
- 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 December 2025

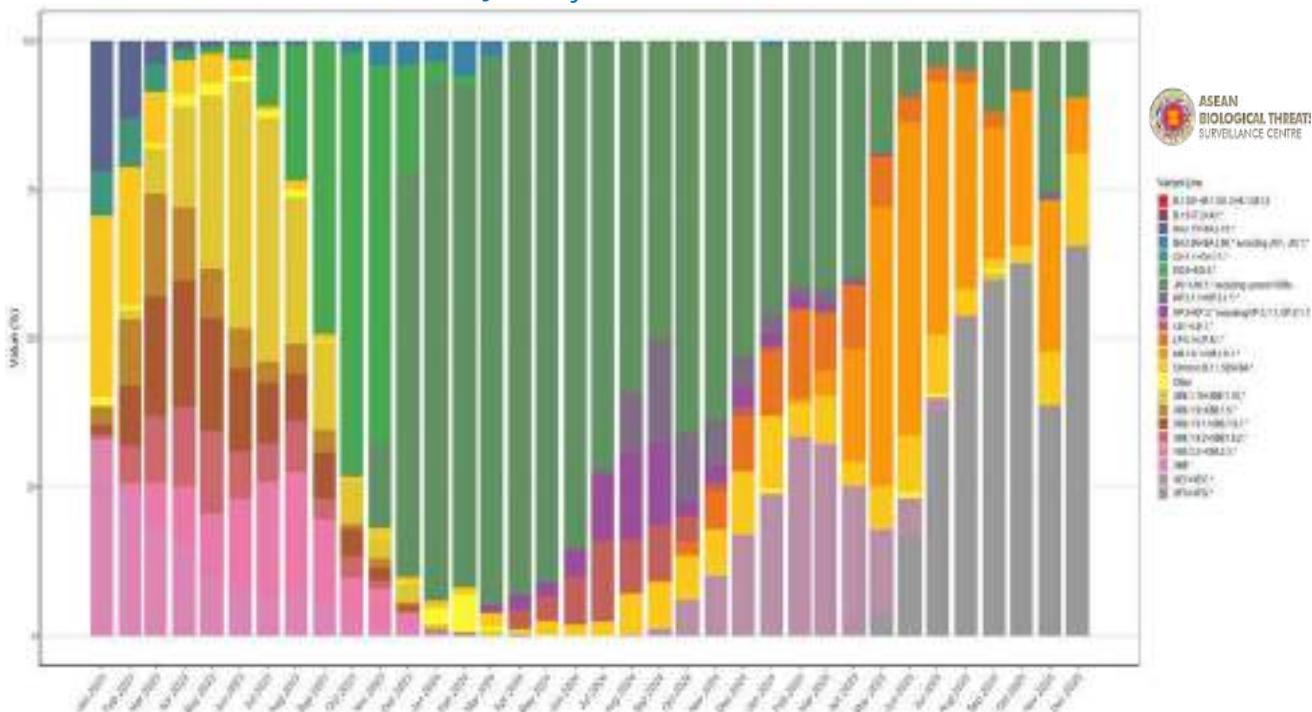


Source: GISAID, "hCoV-19 Variants Dashboard," accessed December 30, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

In December 2025, the latest collection on GISAID by Indonesia and Brunei Darussalam showed dominance in **Omicron B.1.1.529+BA.*** variant. Meanwhile, other member states such as Lao PDR, Cambodia, Malaysia, Thailand, and Viet Nam were still dominated by **NB.1.8.1** variant. Additionally, Singapore was dominated by **XFG+XFG***.

COVID-19 Variants Frequencies in the ASEAN Region

From January 2023 to December 2025



Source: GISAID. "hCoV-19 Variants Dashboard," accessed December 30, 2025, <https://gisaid.org/hcov-19-variants-dashboard/>.

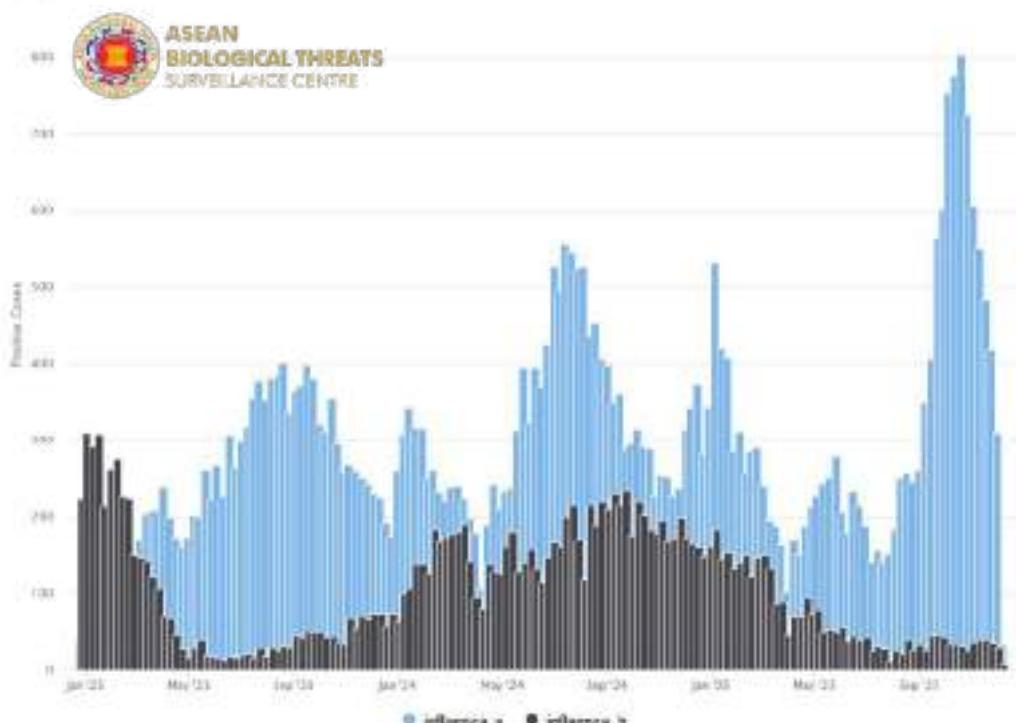
INFLUENZA

Key Findings

- Recently, most influenza cases among ASEAN Member States had decreased.
- 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

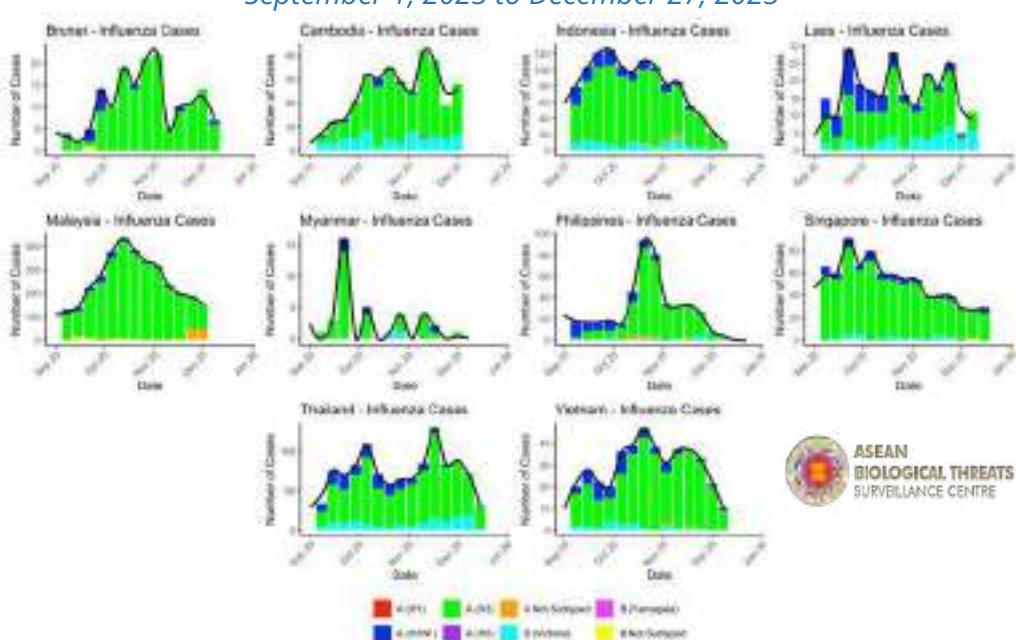
From January 1, 2023 to December 27, 2025



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

Trend of Influenza Cases among ASEAN Member States

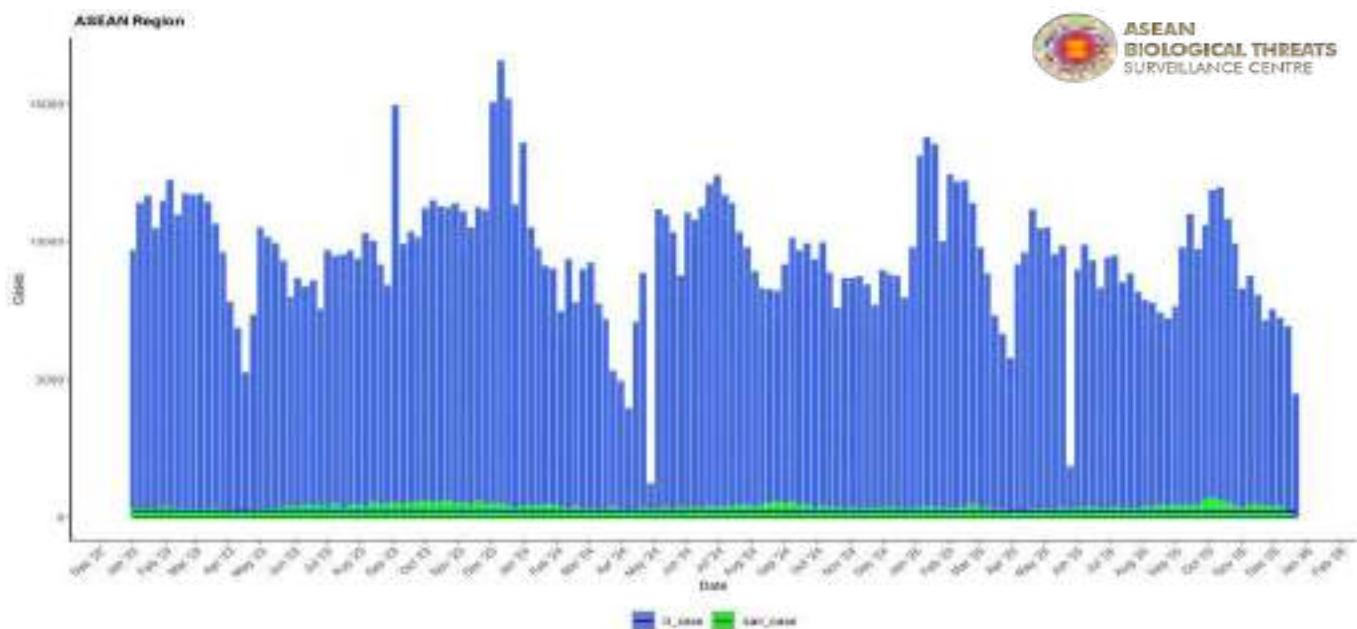
September 1, 2025 to December 27, 2025



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

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

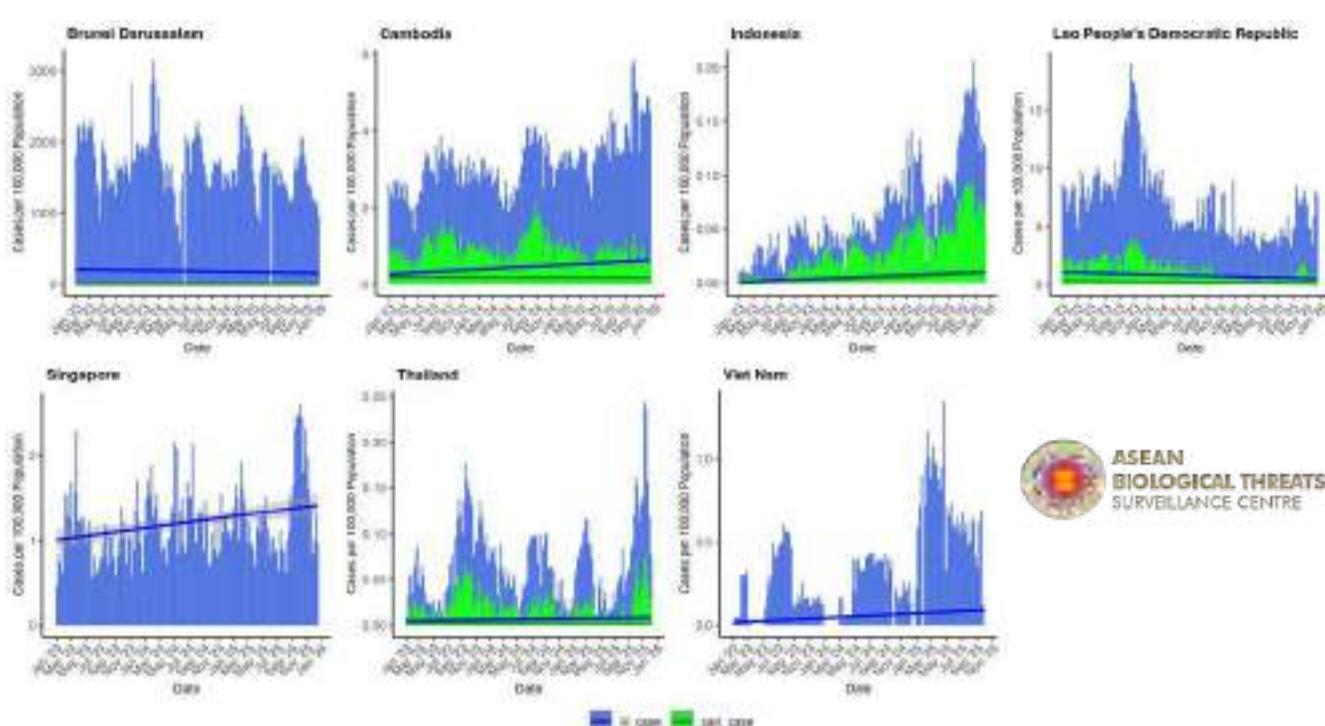
January 1, 2023 to December 27, 2025



Source: WHO FluID, accessed December 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 December 27, 2025



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

Zoonosis





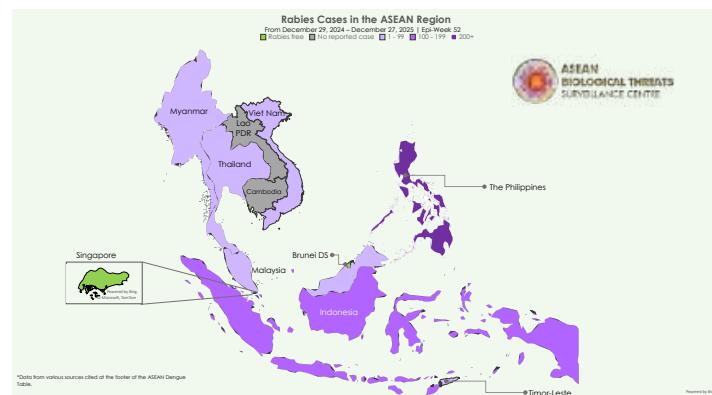
RABIES

Rabies Cases in the ASEAN Region

From December 29, 2024 to December 27, 2025 (Epi-Week 52, 2025)

Key Findings

- Up to December 27, 2025, the region reported **564** 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					
Cambodia	-	-	-	-	-
Indonesia ¹	Week 48	146	-	146	100%
Lao PDR	-	-	-	-	-
Malaysia ²	Week 44	6	-	6	100%
Myanmar ³	Week 46	105	-	105	100%
Philippines ²	Week 31	211	-	211	100%
Singapore					
Thailand ²	Week 29	7	-	7	100%
Timor-Leste ²	Week 45	21	-	21	-
Viet Nam ²	Week 50	68	-	68	100%
Total		564	0	564	100%

Source:

- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed December 30, 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					
Cambodia	Week 11	1	-	1	100%
Indonesia	-	-	-	-	-
Lao PDR	-	-	-	-	-
Malaysia	Week 45	48	-	48	100%
Myanmar	Week 30	2	-	2	100%
Philippines	Week 43	32	-	32	100%
Singapore					
Thailand	Week 50	252	-	252	100%
Timor-Leste	Week 47	50	-	50	100%
Viet Nam	-	-	-	-	-
Total		385	0	385	100%

Source: World Organization for Animal Health (WOAH), accessed December 30, 2025 (<https://wahis.woah.org/#/event-management>)

Vector-Borne Diseases





DENGUE

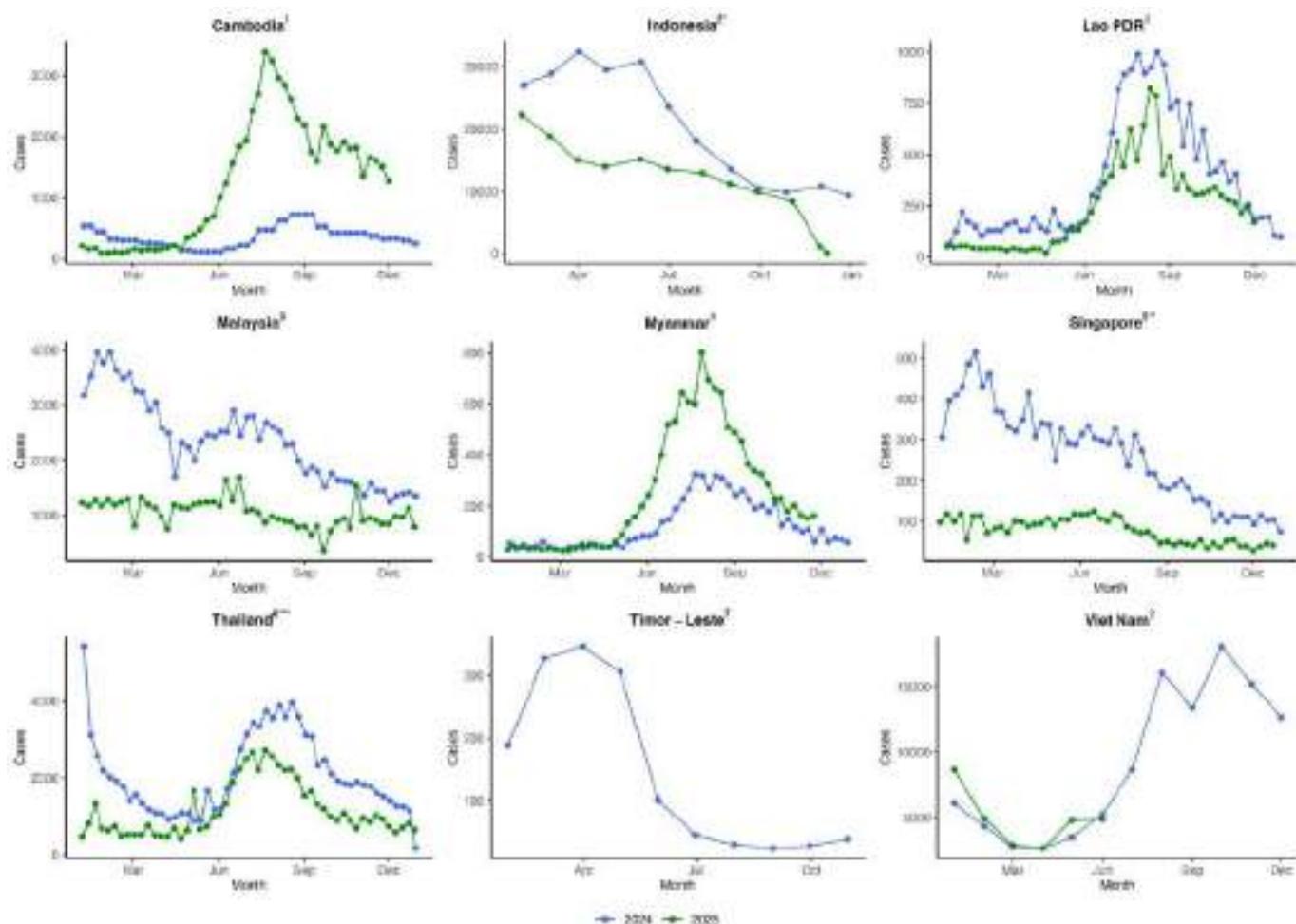
Dengue Cases in the ASEAN Region

From December 29, 2024 to December 27, 2025 (Epi-Week 52, 2025)

Key Findings

- The ASEAN region reported **1,476** new dengue cases in Epi-week 52, 2025.
- Up to December 27, 2025, the region reported **512,240** total cases and **842** total deaths with **0.16% 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:

1. WHO WPRO, "Dengue," World Health Organization, accessed December 30, 2025 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
2. WHO Global Dengue Surveillance, accessed December 30, 2025 (https://worldhealthorg.shinyapps.io/dengue_global/)
3. Portal Rasmi iDengue untuk Komuniti, accessed December 30, 2025 (<https://idengue.mysa.gov.my/>)
4. Department of Public Health, Ministry of Health, Myanmar
5. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed December 30, 2025. (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2025/weekly-infectious-diseases-bulletin>)
6. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed December 30, 2025, (https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOE/views/DDS2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y)
7. London School of Hygiene and Tropical Medicine. "OpenDengue Database", accessed December 30, 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



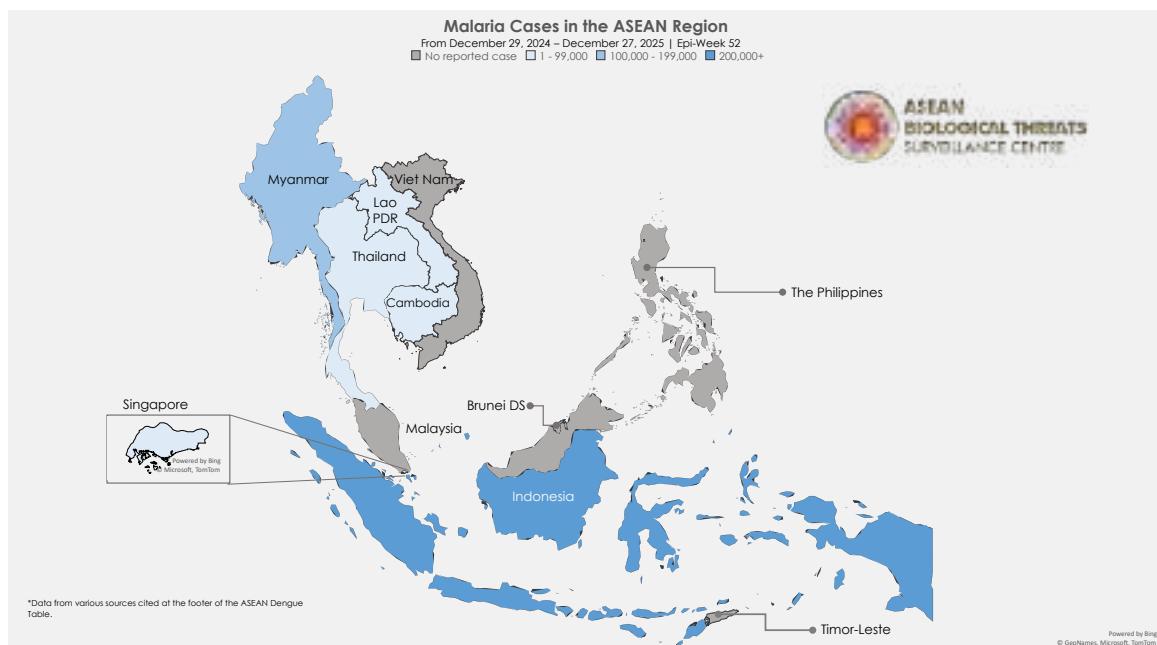
MALARIA

Malaria Cases in the ASEAN Region

From December 29, 2024 to December 27, 2025 (Epi-Week 52, 2025)

Key Findings

- The **ASEAN** region reported **7,241** new malaria cases in Epi-week 52, 2025.
- Up to December 27, 2025, the region reported **823,117** total cases and **107** 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 52	107	1	0	0.00%
Indonesia²	Week 52	682,126	7,187	99	0.01%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar³	Week 44	136,901	-	5	0.004%
Philippines	-	-	-	-	-
Singapore⁴	Week 51	34	1	0	0.00%
Thailand⁵	Week 52	3,949	52	3	0.08%
Timor-Leste	-	-	-	-	-
Viet Nam	-	-	-	-	-
Total		823,117	7,241	107	0.01%

Source:

1. Cambodia National Malaria Center, accessed December 30, 2025 (<https://mis.cnm.gov.kh/Dashboard>)
2. Malaria Cases in Indonesia, accessed December 30, 2025 (<https://malaria.kemkes.go.id/case>)
3. Department of Public Health, Ministry of Health, Myanmar
4. Ministry of Health Singapore, accessed December 30, 2025 (<https://www.moh.gov.sg/others/resources-and-statistics/infectious-disease-statistics-2025-weekly-infectious-diseases-bulletin>)
5. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed December 30, 2025 (https://dvis3.ddc.moph.go.th/t/DDC_CENTER_DOF/views/DDS2/sheet33?%3Aembed=y&%3AisGuestRedirectFromVizportal=y)

Vaccine- Preventable Diseases



MEASLES

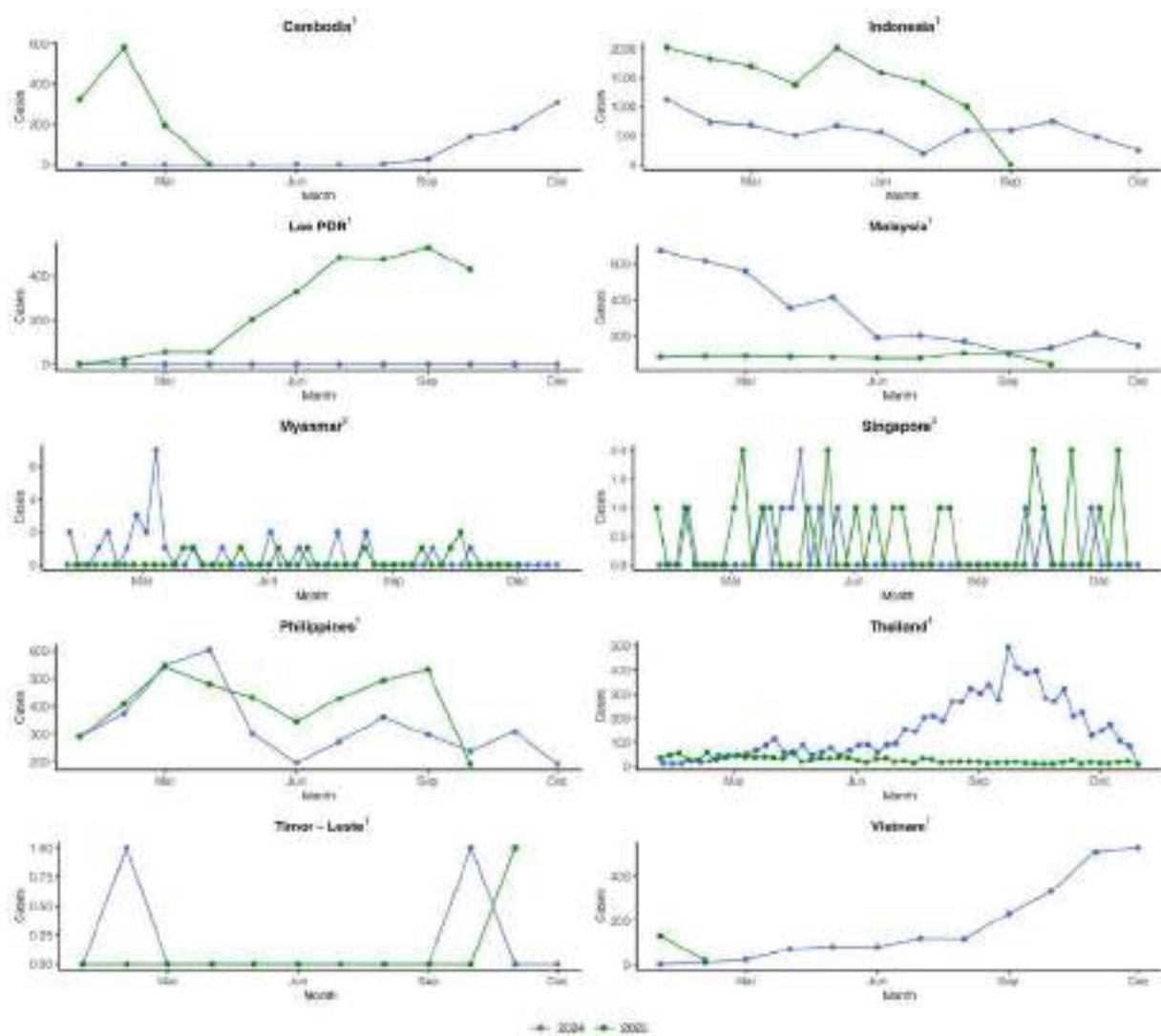
Measles Cases in the ASEAN Region

From December 29, 2024 to December 27, 2025 (Epi-Week 52, 2025)

Key Findings

- The **ASEAN** region reported **10** new measles cases in Epi-week 52, 2025.
- Up to December 27, 2025, the region reported **23,291** 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, however currently showing downward..

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



Source:

1. Provisional Measles and Rubella Data, World Health Organization, accessed December 30, 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 December 30, 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 December 30, 2025 (<http://doe.moph.go.th/surdata/index.php>)



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