



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](mailto:support@biodiaspora.org)

## Editorial

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## Key Findings

### Global

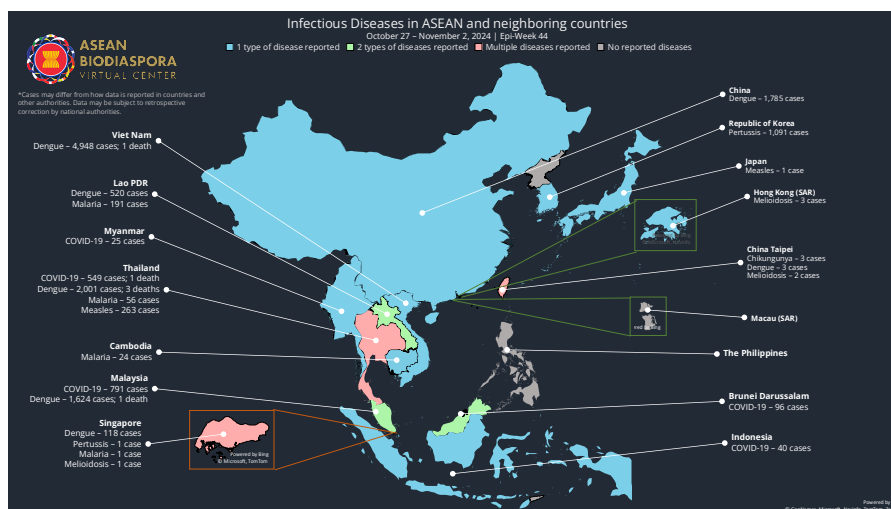
- The Mpox vaccination campaign in the Democratic Republic of the Congo (DRC) has achieved 103% of its target in three provinces, reducing the mortality rate to 0.0014%. Mauritius has confirmed its first imported case, with the patient isolated in hospital and enhanced surveillance in place; no local cases have been found. The UK reported its first case of clade 1b mpox in London, with the patient hospitalized and contact tracing ongoing, posing a low risk to the public.
- South Asia (Bangladesh, India and Pakistan) is experiencing a dengue epidemic with new cases and deaths reported. The surge also occurs in Taiwan and the United States (US) with local infections reported.
- A middle-aged resident of eastern Iowa, the US, recently died from Lassa fever after returning from West Africa, where the virus is endemic. The US CDC is confirming the diagnosis, with minimal risk to the general public.
- A worker has died of leptospirosis in Thiruvananthapuram, India. The public is being urged to avoid stagnant water and contact with the those infected.
- Malaria cases have surged across Pakistan, with 249,151 cases reported in Sindh by October, largely due to poor drainage systems and inadequate preventive measures.
- A woman in her 40s in Kyoto Prefecture contracted measles, marking Japan's third case this year; she is recovering, and authorities are urging caution.
- Pakistan has reported its 41<sup>st</sup> polio case of 2024, confirmed as wild poliovirus type 1. A nationwide vaccination campaign to reach more than 45 million children began on October 28.
- A 77-year-old man from northern Israel is in intensive care after being bitten by his dog. An epidemiological investigation has been launched and preventive vaccination is being offered to those who have been in contact with him or the dog.

### ASEAN Region

- Several ASEAN member states (**Lao PDR, Malaysia, Singapore, Thailand, and Viet Nam**) report new cases of dengue.
- Karanganyar District, Central Java Province, has recorded 42 cases of leptospirosis so far this year. Control measures are in place, including surveillance of reservoir animals and disinfection of contaminated surfaces.
- Ho Chi Minh City, Viet Nam, saw a decrease in measles cases, with hospitals treating 3,139 cases, 58% from outside the city. New cases are increasing in children aged 6-9 months, despite a successful vaccination campaign for ages 1-10 years.
- From January to September 2024, Indonesia reported 732 rabies cases, underscoring the urgent need for monitoring animal traffic and administering immediate anti-rabies vaccinations. A case of rabies in a pet dog has been confirmed in Sarawak, Malaysia. Vaccination is continuing, particularly in suburban areas. In Quang Nam Province, Vietnam, a rabies death was reported following a dog bite at a primary school.

## Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 44 | October 27 – November 2, 2024

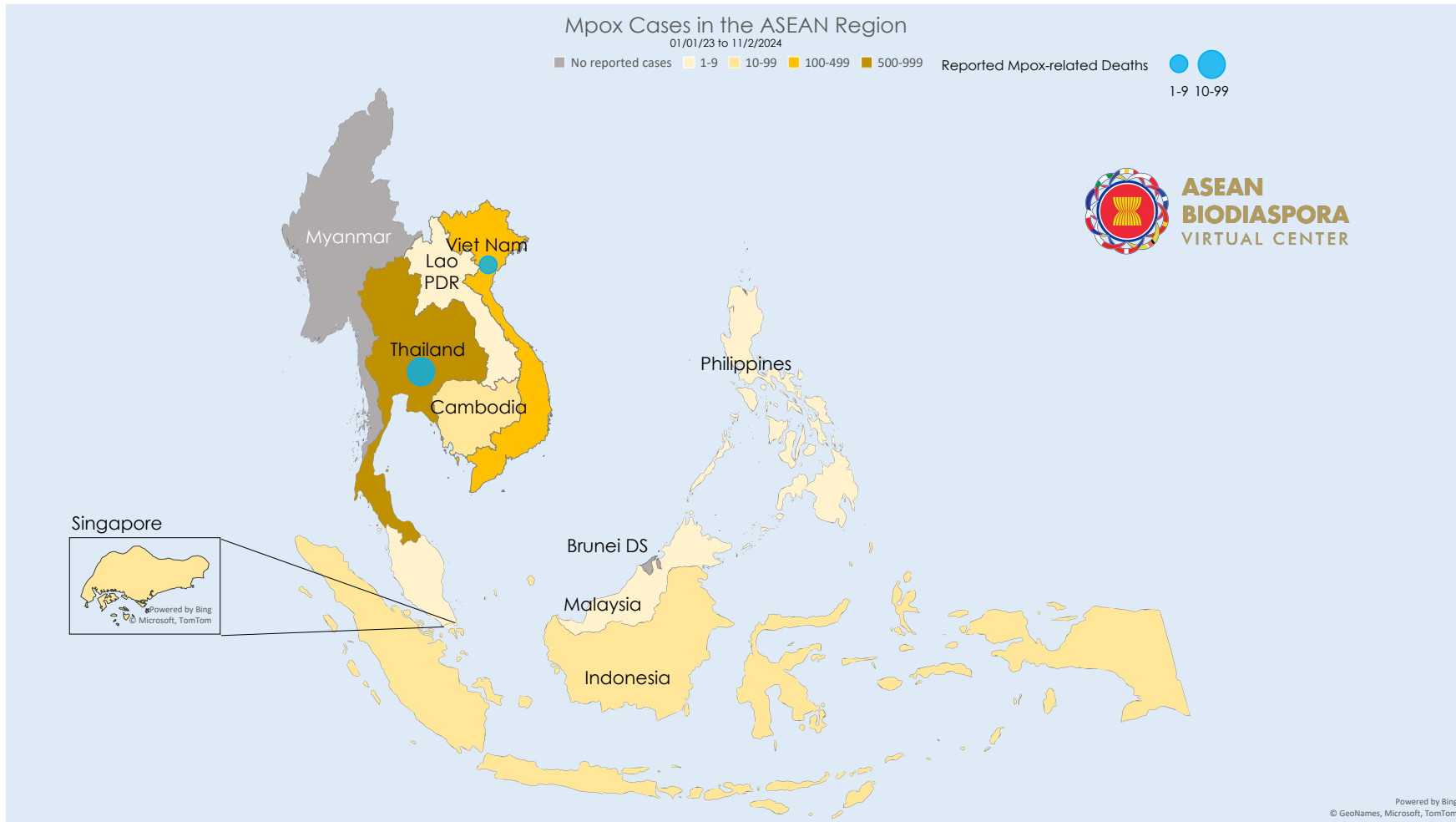


Source: AMS Official Sources, [WHO, Our World in Data](#), and [Bluedot Platform](#), accessed on November 5, 2024

## EMERGING DISEASES

### Mpox Cases Reported in the ASEAN Region

January 1, 2023 – November 2, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed November 6, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>



## Mpox: Highlights and Situation Overview

- From 1 January 2023 to 2 November 2024, **27,728** confirmed cases worldwide since 2023, including **182** deaths. Globally, the CFR was **0.66 %**.
- **1,228 confirmed cases** including **18 deaths** in the **ASEAN** region, with a CFR of **1.47%**.
- **26,500 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. 2, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023-2024	CFR
Cambodia <sup>1</sup>	20	0	0	0.00%
Indonesia <sup>2</sup>	87	0	0	0.00%
Lao PDR <sup>3</sup>	1	0	0	0.00%
Malaysia <sup>3</sup>	10	0	0	0.00%
Philippines <sup>4</sup>	28	0	0	0.00%
Singapore <sup>5</sup>	48	0	0	0.00%
Thailand <sup>3</sup>	833	0	10	1.20%
Vietnam <sup>3</sup>	201	0	8	3.98%
<b>ASEAN Total</b>	<b>1,228</b>	<b>0</b>	<b>18</b>	<b>1.47%</b>

Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia
3. IBS Bluedot (Accessed on November 6, 2024), (<https://portal.bluedot.org/>)
4. Department of Health Philippines
5. Ministry of Health Singapore, accessed November 6, 2024, (<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 Nov. 2, 2024)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Democratic Republic of Congo	7,135	0	27	0.38%
United States of America	3,979	0	10	0.25%
People's Republic of China	2,652	0	1	0.04%
Brazil	2,065	0	2	0.10%
Thailand	1,170	0	0	0.00%

Source: Our World in Data, accessed on November 6, 2024 (<https://ourworldindata.org/monkeypox>)

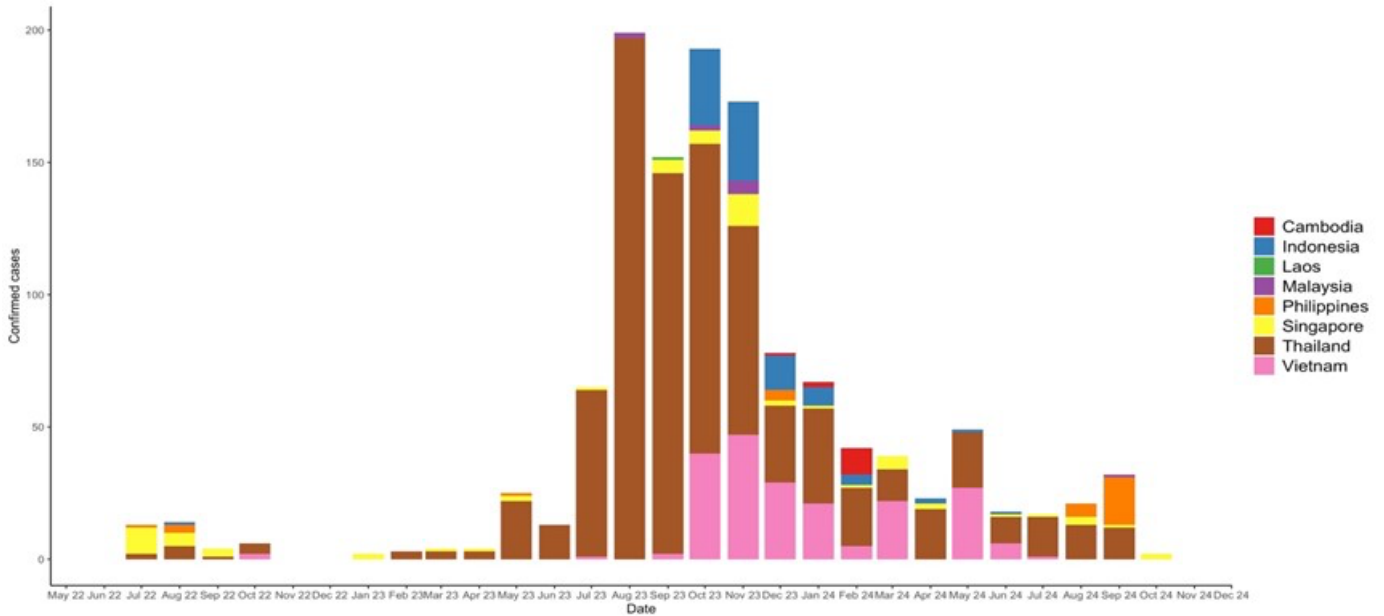
### Mpox cases per region (Jan. 1, 2023 to Nov. 2, 2024)

REGIONS	CUMULATIVE CASES 2023-2024	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	8,946	0	40	0.45%
AMERICAS	9,045	0	98	1.08%
ASEAN	1,228	0	18	1.47%
ASIA & OCEANIA	6,101	0	21	0.34%
EUROPE	2,408	0	5	0.21%
<b>TOTAL</b>	<b>27,728</b>	<b>0</b>	<b>182</b>	<b>0.66%</b>

Source: Our World in Data, accessed on November 6, 2024 (<https://ourworldindata.org/monkeypox>)

## Trend of Mpox Confirmed Cases in the ASEAN Region

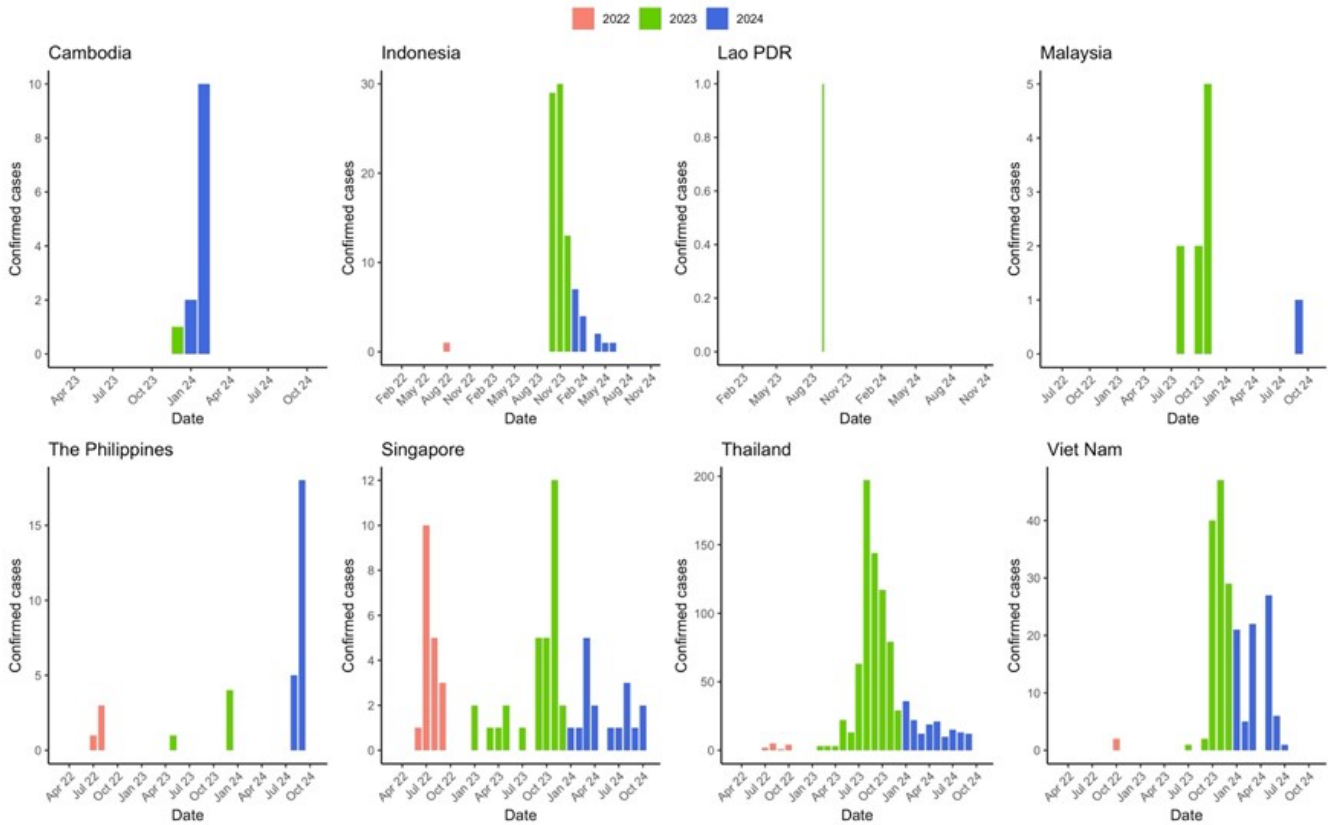
January 1, 2022 to November 2, 2024



Source: Our World in Data, accessed on November 6, 2024 (<https://ourworldindata.org/monkeypox>)

## Trend of Mpox Confirmed Cases among ASEAN Member States

January 1, 2022 to November 2, 2024

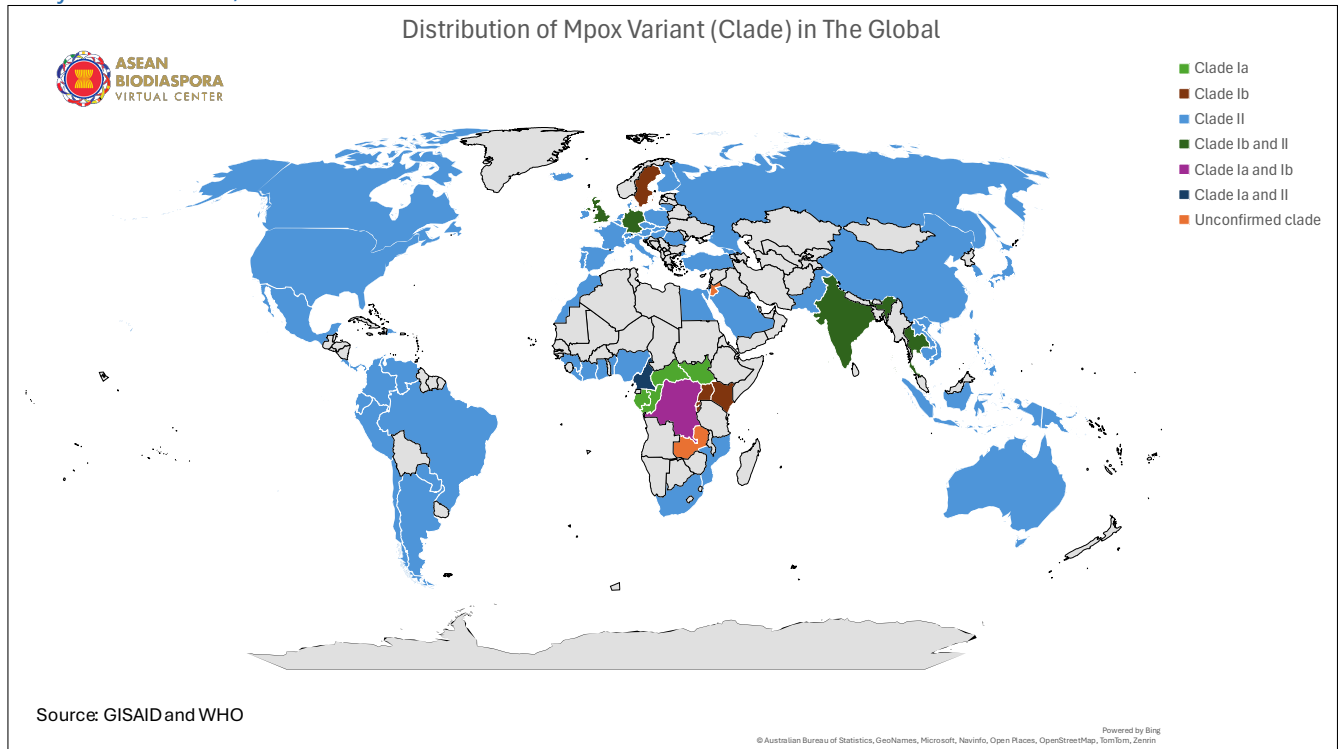


Source: Our World in Data, accessed on November 6, 2024 (<https://ourworldindata.org/monkeypox>)



## Distribution of Mpox Variants in The Global

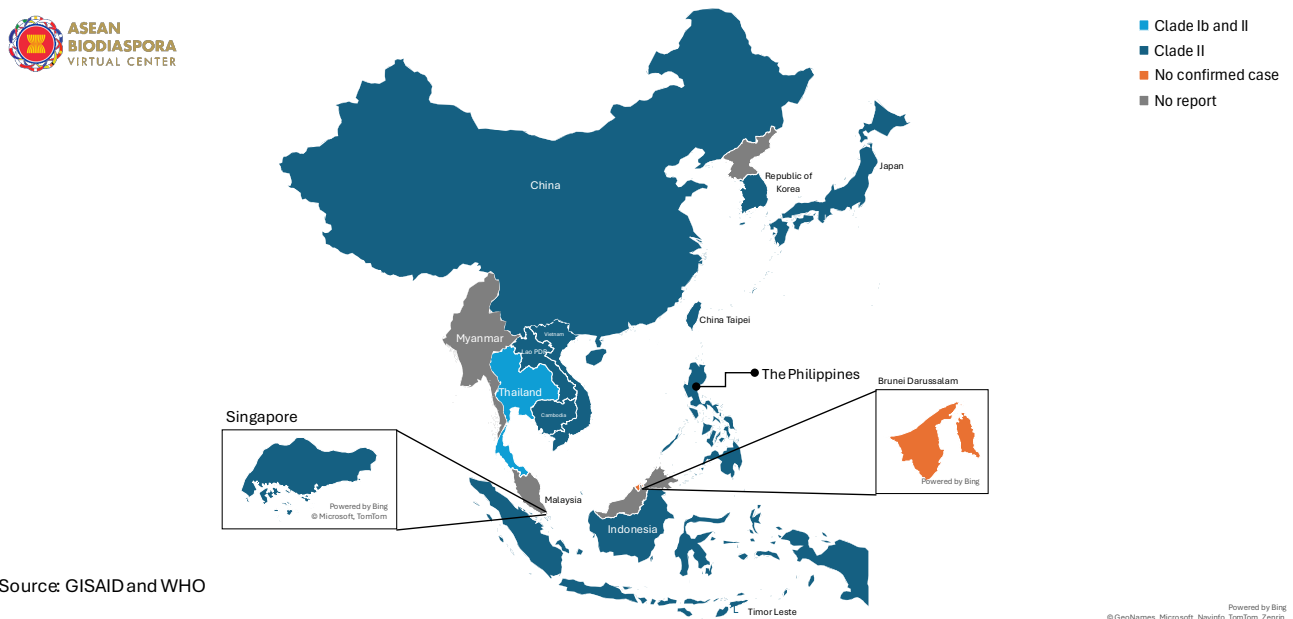
As of November 2, 2024



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

As of November 2, 2024

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

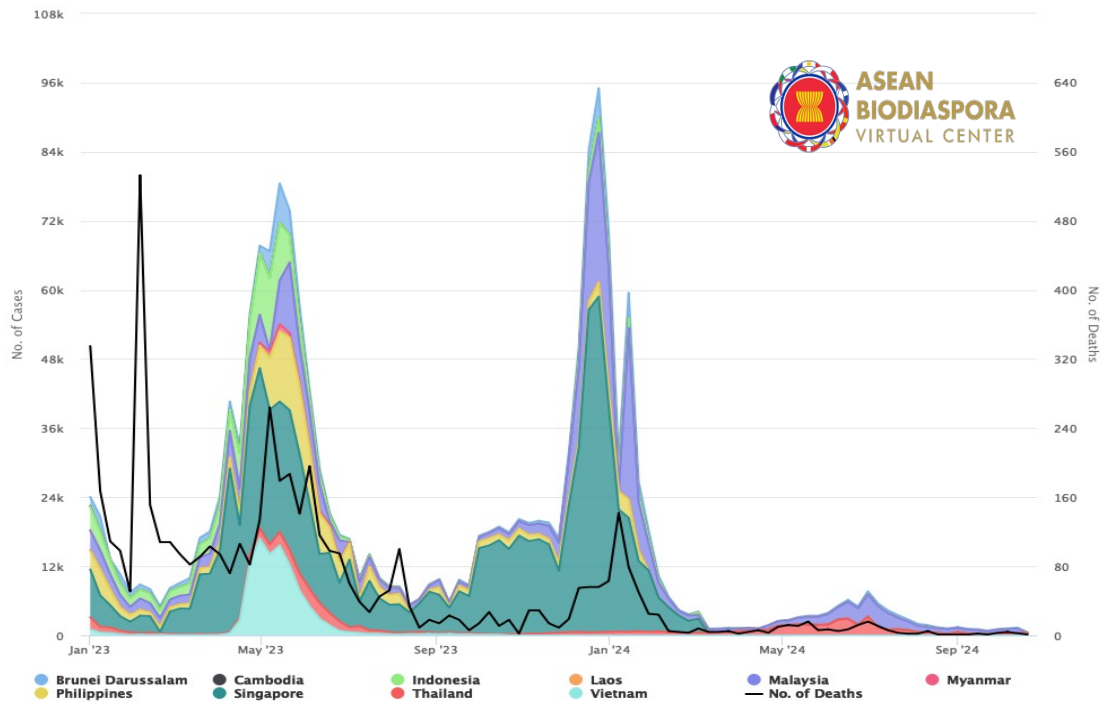


## COVID-19: Highlights and Situation Overview

- As of 2 November 2024 (5PM, GMT+7), there were **704,830,885** confirmed cases **worldwide**, including **7,010,820** deaths. Globally, Case Fatality Rate (CFR) was **1.00%**.
- **37,075,297** total confirmed cases of COVID-19 have been reported in the **ASEAN Region**.
- The CFR in the **ASEAN Region** was **1.00%**.

## ASEAN Weekly COVID-19 Cases and Deaths

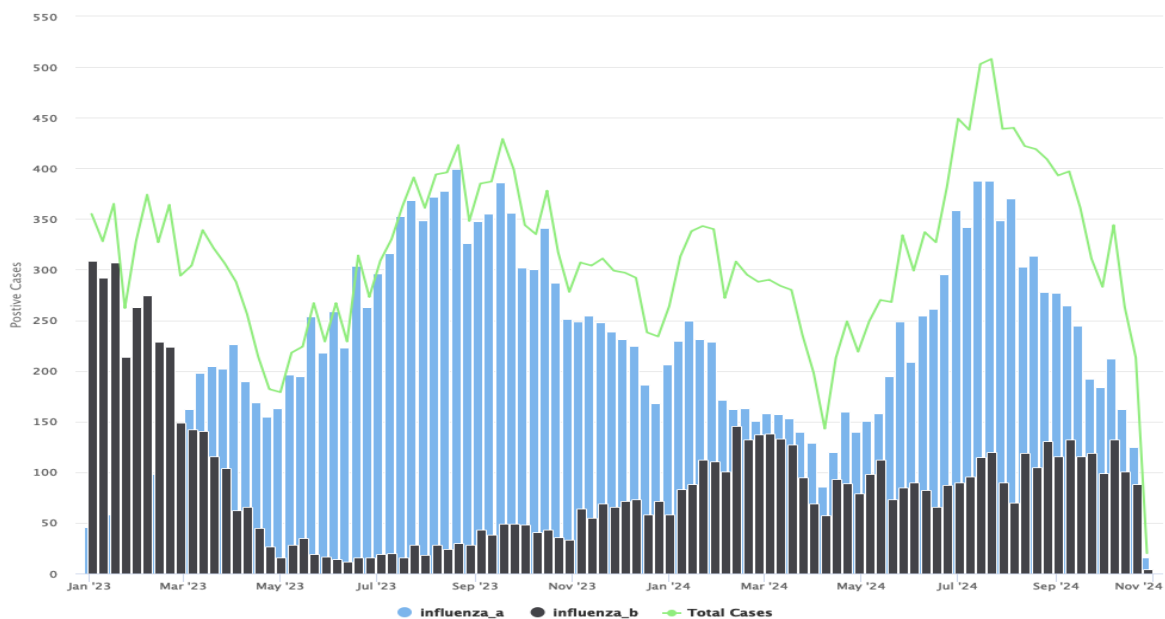
From January 1, 2023 to November 2, 2024



Source: [Singapore Government and the WHO](#), accessed on November 6, 2024

## Trends of Influenza Confirmed Cases in the ASEAN region

From January 1, 2023 to November 2, 2024



Source: FluNet, accessed on November 6, 2024 (<https://www.who.int/tools/fluinet>)

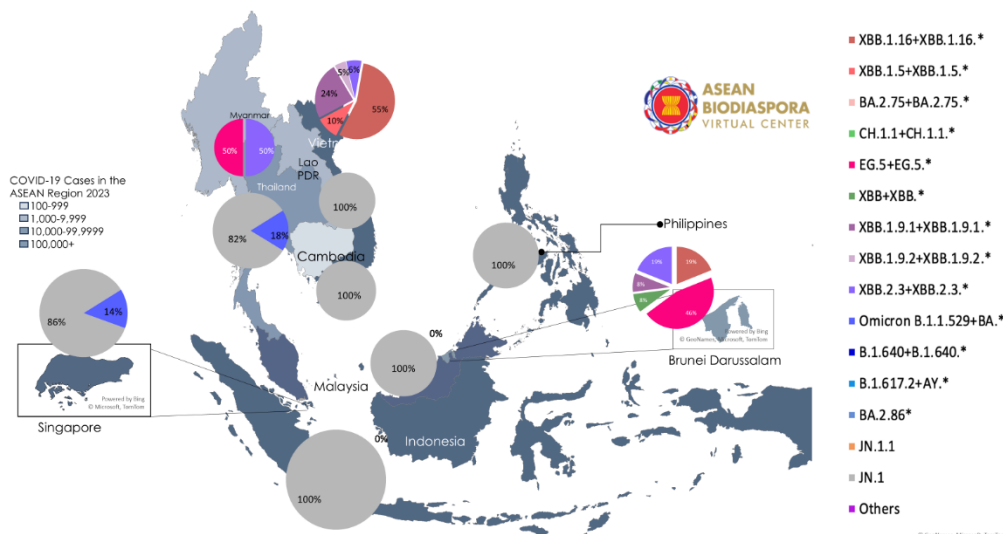
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## COVID-19 Variants Frequencies Among the ASEAN Member States

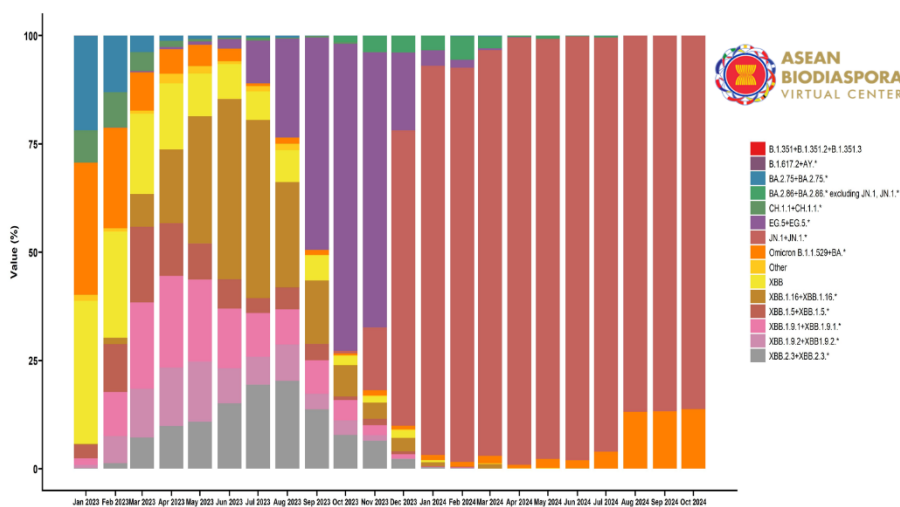
In October 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed November 2, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

## COVID-19 Variants Frequencies in the ASEAN Region

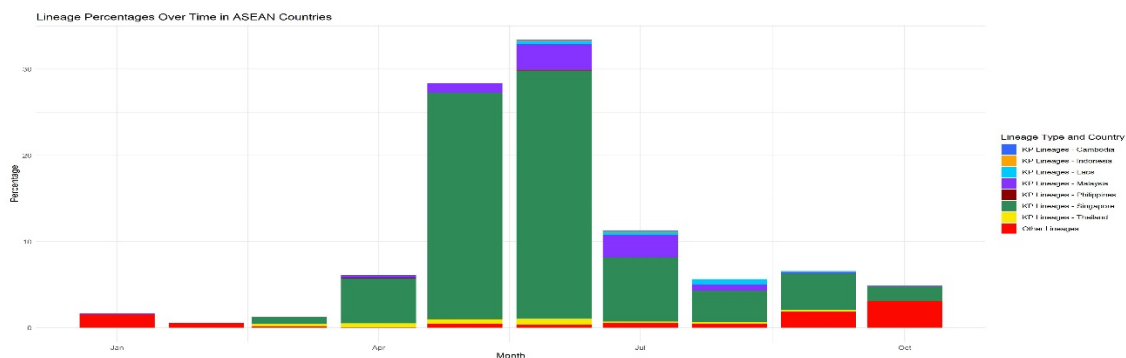
From January 2023 to October 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed November 6, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

## COVID-19 "KP" Sub-Variant detected in the ASEAN region

From January 2024 to October 2024

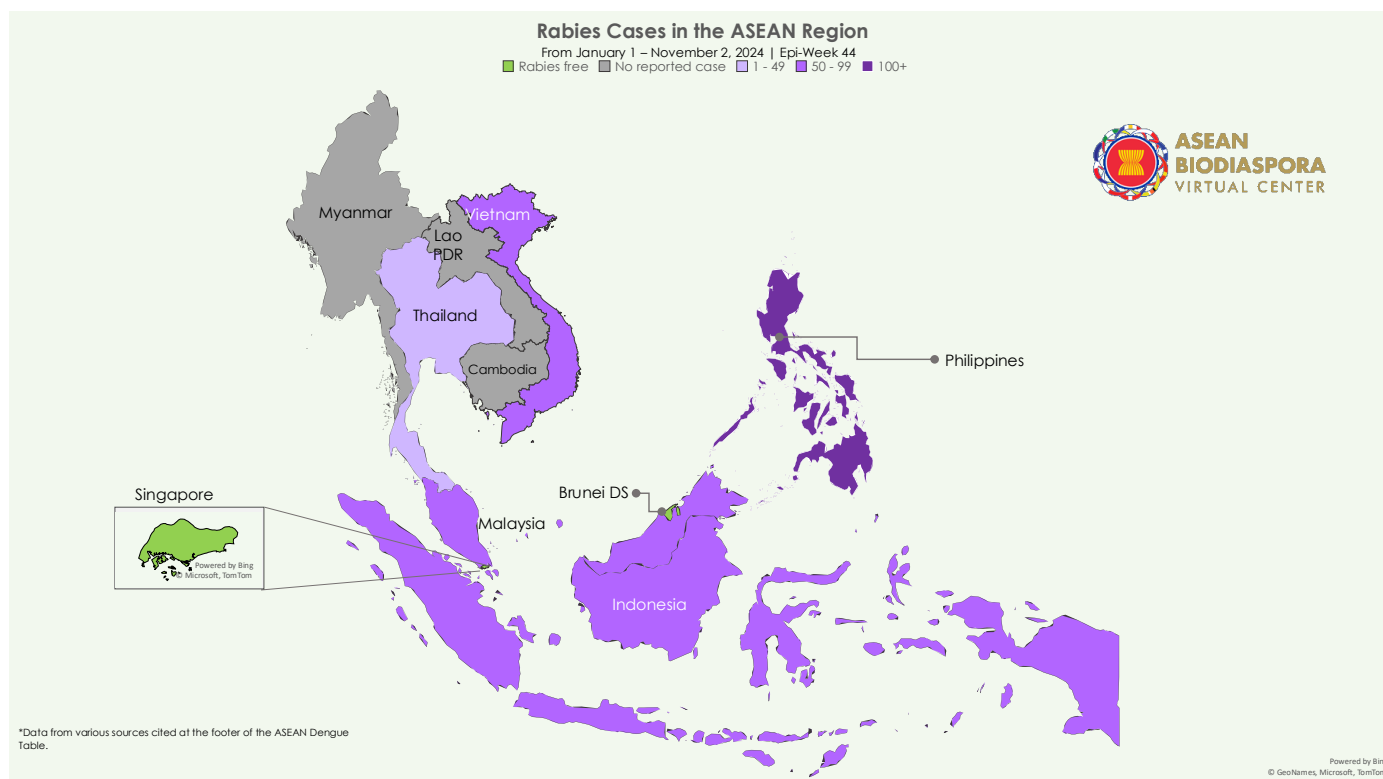


Source: GISAID. "hCoV-19 Variants Dashboard," accessed on November 6, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

# ZOONOSIS

## Rabies Cases in the ASEAN Region

From January 1 to November 2, 2024 (Epi-Week 44)



## Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Rabies Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
<b>Brunei Darussalam</b>			Rabies-free country		
<b>Cambodia</b>	-	-	-	-	-
<b>Indonesia<sup>1</sup></b>	Week 27	78	-	78	100%
<b>Lao PDR</b>	-	-	-	-	-
<b>Malaysia<sup>2</sup></b>	Week 24	79	-	79	100%
<b>Myanmar</b>	-	-	-	-	-
<b>Philippines<sup>2</sup></b>	Week 39	354	-	354	100%
<b>Singapore</b>			Rabies-free country		
<b>Thailand<sup>3</sup></b>	Week 41	5	0	5	100%
<b>Viet Nam<sup>2</sup></b>	Week 42	65	-	65	100%
<b>Total</b>		<b>581</b>	<b>0</b>	<b>581</b>	<b>100%</b>

Source:

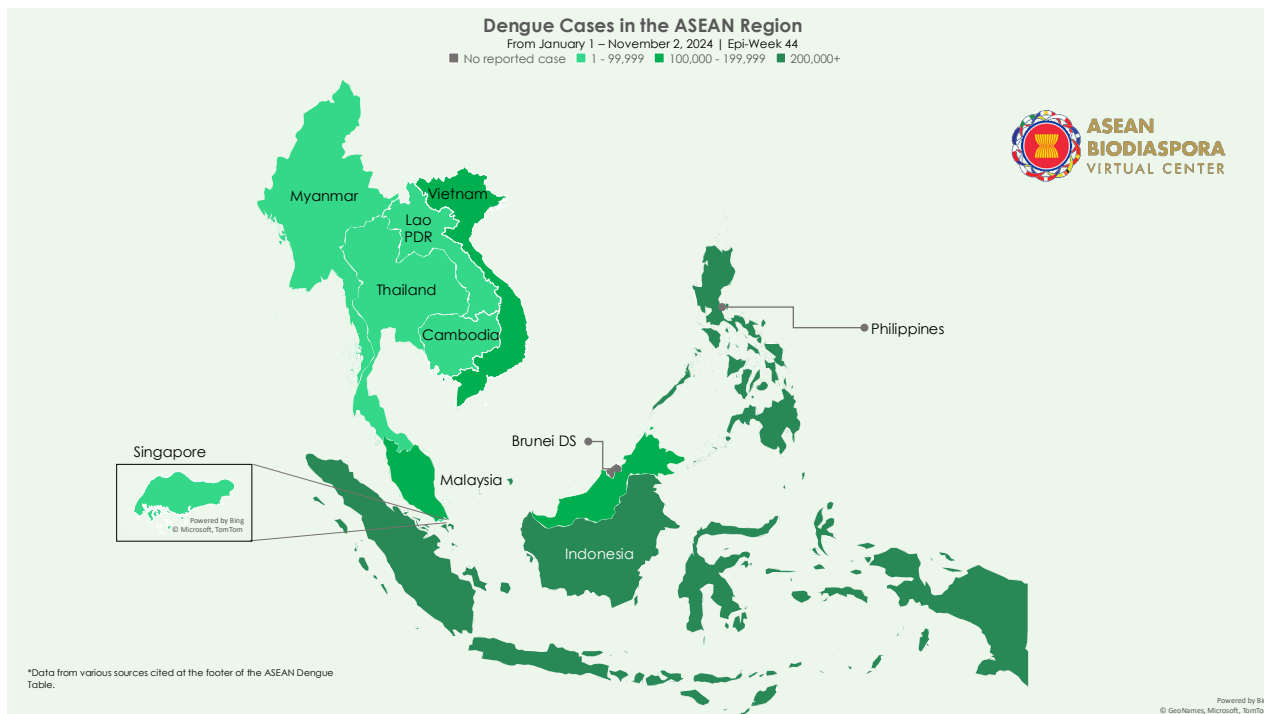
1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed November 5, 2024 (<https://portal.bluedot.global/>)
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed November 5, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **NO** new rabies cases since the previous report. The region reported **581** total cases with **100%** CFR.

## VECTOR-BORNE DISEASES

### Dengue Cases in the ASEAN Region

From January 1 to November 2, 2024 (Epi-Week 44)



### Dengue cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
<b>Brunei Darussalam</b>	-	-	-	-	-	-
<b>Cambodia<sup>1</sup></b>	Week 38	13,752	-	37	-	0.27%
<b>Indonesia<sup>2*</sup></b>	Week 40	202,012	-	1,202	-	0.60%
<b>Lao PDR<sup>1</sup></b>	Week 42	17,108	520	1	-	0.01%
<b>Malaysia<sup>1</sup></b>	Week 41	106,773	1,624	96	1	0.09%
<b>Myanmar<sup>3</sup></b>	Week 27	1,309	-	3	-	0.23%
<b>Philippines<sup>3</sup></b>	Week 41	269,467	-	546	-	0.20%
<b>Singapore<sup>4**</sup></b>	Week 43	12,736	118	-	-	0.00%
<b>Thailand<sup>5***</sup></b>	Week 42	91,520	2,001	73	3	0.08%
<b>Viet Nam<sup>1</sup></b>	Week 42	100,048	4,948	16	1	0.02%
<b>Total</b>		<b>814,725</b>	<b>9,211</b>	<b>1,974</b>	<b>5</b>	<b>0.24%</b>

Source:

1. WHO WPRO, "Dengue," World Health Organization, accessed November 5, 2024 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
2. Ministry of Health, Republic of Indonesia
3. Bluedot Developer Portal, accessed November 5, 2024, (<https://developer-portal.bluedot.global/>).
4. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed November 5, 2024. (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin>)
5. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed November 5, 2024, (<http://doe.moph.go.th/surdata/index.php>)

- 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

- The **ASEAN** region reported **9,211** new dengue cases since the previous report. The region reported **814,725** total cases with **0.24%** CFR.

## Malaria Cases in the ASEAN Region

From January 1 to November 2, 2024 (Epi-Week 44)



### Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Malaria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
<b>Brunei Darussalam</b>	-	-	-	-	-
<b>Cambodia<sup>1</sup></b>	Week 44	335	24	0	-
<b>Indonesia<sup>2</sup></b>	Week 43	374,161	-	139	0.04%
<b>Lao PDR<sup>3</sup></b>	Week 44	18,296	191	11	0.06%
<b>Malaysia<sup>3</sup></b>	Week 30	24	-	0	0.00%
<b>Myanmar</b>	-	-	-	-	-
<b>Philippines<sup>3</sup></b>	Week 6	2	-	0	0.00%
<b>Singapore<sup>4</sup></b>	Week 43	23	1	0	0.00%
<b>Thailand<sup>5</sup></b>	Week 42	3,777	56	1	0.03%
<b>Viet Nam<sup>3</sup></b>	Week 40	165	-	0	0.00%
<b>Total</b>		<b>396,783</b>	<b>272</b>	<b>151</b>	<b>0.04%</b>

Source:

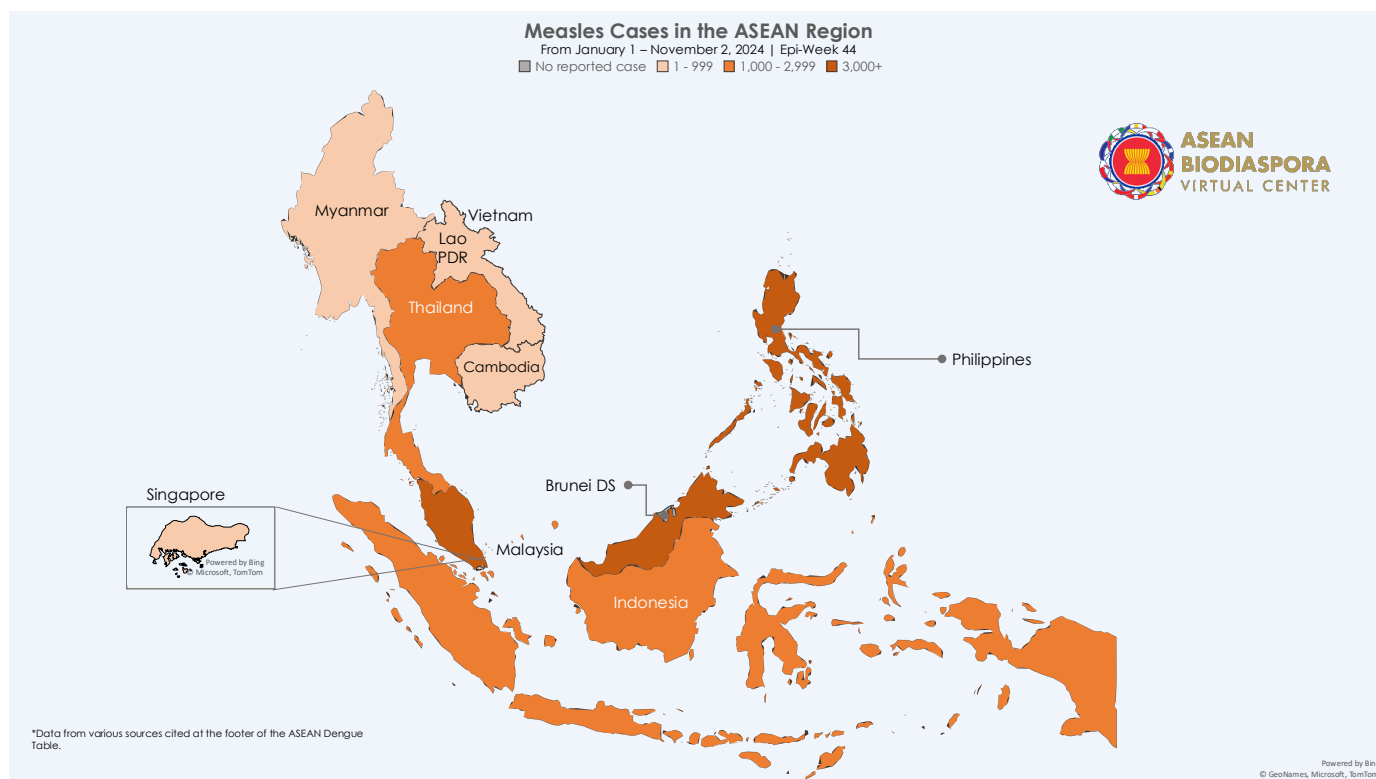
1. Cambodia National Malaria Center, accessed November 5, 2024 (<https://mis.cnm.gov.kh/Dashboard>)
2. Malaria Cases in Indonesia, accessed November 5, 2024 (<https://malaria.kemkes.go.id/case>)
3. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed November 5, 2024 (<https://www.facebook.com/CCEH.MoH.Lao/>)
4. Bluedot Platform, accessed November 5, 2024 (<https://portal.bluedot.global/>)
5. Ministry of Health Singapore, accessed November 5, 2024 (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin>)
6. Bureau of Epidemiology, Department of Disease Control, Ministry of Health, Thailand, accessed November 5, 2024 (<https://www.doe.go.th/44-weekly-report-infectious-disease>)

- The **ASEAN** region reported **272** new malaria cases since the previous report. The region reported **396,783** total cases with **0.04%** CFR.

## VACCINE-PREVENTABLE DISEASES

### Measles Cases in the ASEAN Region

From January 1 to November 2, 2024 (Epi-Week 44)



### Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
<b>Brunei Darussalam</b>	-	-	-	-	-
<b>Cambodia<sup>1</sup></b>	Week 27	4	-	0	0.00%
<b>Indonesia<sup>2</sup></b>	Week 35	1,410	-	0	0.00%
<b>Lao PDR<sup>1</sup></b>	Week 31	1	-	0	0.00%
<b>Malaysia<sup>1</sup></b>	Week 35	2,806	-	0	0.00%
<b>Myanmar<sup>1</sup></b>	Week 40	30	-	0	0.00%
<b>Philippines<sup>1</sup></b>	Week 35	3,408	-	3	0.09%
<b>Singapore<sup>3</sup></b>	Week 43	10	0	0	0.00%
<b>Thailand<sup>4</sup></b>	Week 42	4,927	263	1	0.02%
<b>Viet Nam<sup>1</sup></b>	Week 35	469	-	0	0.00%
<b>Total</b>		<b>13,065</b>	<b>263</b>	<b>4</b>	<b>0.03%</b>

Source:

1. Provisional Measles and Rubella Data, World Health Organization, accessed November 5, 2024 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
2. Ministry of Health, Republic of Indonesia
3. Ministry of Health Singapore, accessed November 5, 2024, (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed November 5, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **263** new measles cases since the previous report. The region reported **13,065** total cases with **0.03%** CFR.



## Annex 1. Infectious Diseases in the ASEAN Region – Summary Table

Epidemiological Week 44 | From January 1 to November 2, 2024

Infectious Diseases	COVID-19			Mpox			Rabies		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	87,730	77	0.09%	-	-	-	Rabies-free Country		
Cambodia	886	-	0.00%	20	0	0.00%	-	-	-
Indonesia	118,278	1,454	1.23%	87	0	0.00%	78	78	100%
Lao PDR	1,474	87	5.90%	1	0	0.00%	-	-	-
Malaysia	299,803	494	0.17%	10	0	0.00%	79	79	100%
Myanmar	9,646	5	0.05%	-	-	-	-	-	-
Philippines	141,371	1,467	1.04%	28	0	0.00%	354	354	100%
Singapore	819,481	313	0.04%	48	0	0.00%	Rabies-free Country		
Thailand	84,697	1,061	1.29%	833	10	1.20%	5	5	100%
Viet Nam	101,828	20	0.02%	201	8	3.98%	56	56	100%
<b>ASEAN Region</b>	<b>1,665,194</b>	<b>4,978</b>	<b>0.30%</b>	<b>1,228</b>	<b>18</b>	<b>1.47%</b>	<b>572</b>	<b>572</b>	<b>100%</b>

Infectious Diseases	Dengue			Malaria			Measles		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Cambodia	13,752	37	0.27%	335	0	0%	4	0	0%
Indonesia	202,012	1,202	0.60%	374,161	139	0.04%	1,410	0	0%
Lao PDR	17,108	1	0.01%	18,296	11	0.06%	1	0	0%
Malaysia	106,773	96	0.09%	24	0	0%	2,806	0	0%
Myanmar	1,309	3	0.23%	-	-	-	30	0	0%
Philippines	269,467	546	0.26%	2	0	0%	3,408	3	0.09%
Singapore	12,736	-	0.00%	23	0	0%	10	0	0%
Thailand	91,520	73	0.08%	3,777	1	0.03%	4,927	1	0.02%
Viet Nam	100,048	16	0.02%	165	0	0%	469	0	0%
<b>ASEAN Region</b>	<b>814,725</b>	<b>1,974</b>	<b>0.24%</b>	<b>396,783</b>	<b>151</b>	<b>0.04%</b>	<b>13,065</b>	<b>4</b>	<b>0.03%</b>