



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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Key Findings

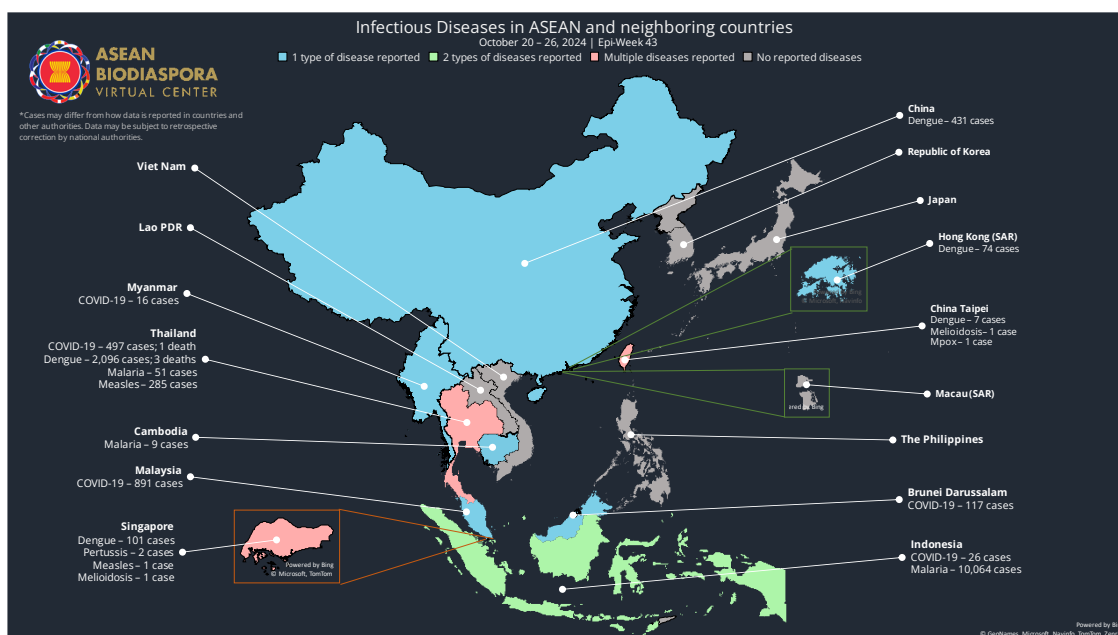
Global

- The United States Centers for Disease Control & Prevention (US-CDC) has confirmed two human cases of avian influenza in Washington, after a poultry farm outbreak; 800,000 birds culled, no human transmission evidence.
- Ohio, the US, has reported 2,751 new cases, the sixth consecutive week of decline. The state has vaccinated at least 697,050 residents (5.9% of the population). The state has reported 108 new hospitalizations and six ICU admissions.
- South Asia (Bangladesh, India and Pakistan), is experiencing a dengue epidemic with new cases and deaths reported. The surge also occurs in China and Italy with local infections reported.
- Hand, foot, and mouth disease (HFMD) cases have increased in Japan in October, with an average of 10.8 cases per facility. Most cases resolve within three to seven days.
- Sassoon General Hospital in Pune, India, confirmed 309 leptospirosis patients until September, with 275 recorded within the past four months.
- Haryana State, India, has seen a significant increase in malaria cases, reaching 168 this year, nearly twice the 2023 number. The most severely affected districts are NCR, with Sonipat reporting 35 cases.
- Rwanda has recorded its 63rd case of Marburg after 10 days without new cases. The patient, a health worker, is reported to be in stable condition after recently vaccinated.
- Taiwan reported a surge of melioidosis with two new cases reported in Kaohsiung City. One patient, 80-year-old man with multiple chronic diseases died. This year, 69 cases were reported within a month of Typhoon Kemi.
- African countries continue to report new cases of Mpox. Germany has reported its first case of clade 1b mpox from a person who recently travelled abroad.
- Pertussis cases in the US have risen five-fold this year, with a case count of 18,506, mainly affecting children.
- Seven new wild poliovirus cases reported in Pakistan, bringing the total to 33.

ASEAN Region

- Several ASEAN member states (Indonesia, Malaysia, the Philippines, and Viet Nam) report new cases of dengue.
- The Island Garden City of Samal in Ilocos, the Philippines, has reported 70 cases of hand, foot and mouth disease (HFMD) from January to October 2024.
- The Philippines Department of Health (DOH) reported a total of 5,835 leptospirosis cases as of October 5, reflecting a 16% increase from the 5,050 cases logged during the same period last year.
- As of October 13, Ho Chi Minh City, Viet Nam, had recorded 1,079 measles cases, including four deaths. In Thanh Hoa province, nearly 40 cases were reported in the first week of October. The health department is urging medical units to enhance infection control and ensure full vaccinations.

Reported Infectious Diseases in the ASEAN Region and Neighboring Countries Epidemiological Week 43 | October 20 – 26, 2024

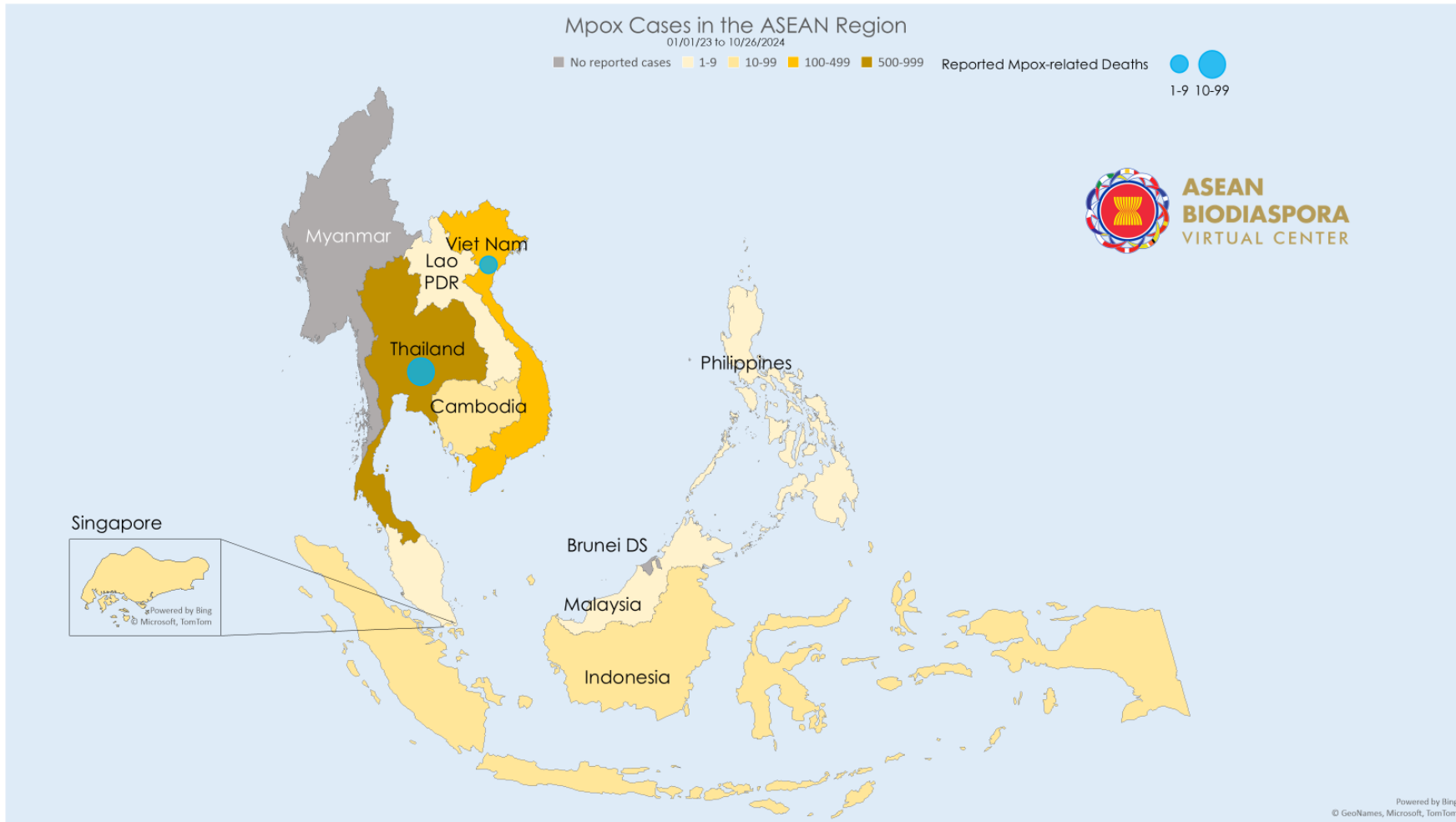


Source: AMS Official Sources, [WHO, Our World in Data](#), and [Bluedot Platform](#), accessed on October 29, 2024

EMERGING DISEASES

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – October 26, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed October 29, 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 26 October 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 Oct. 26, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023-2024	CFR
Cambodia ¹	20	0	0	0.00%
Indonesia ²	87	0	0	0.00%
Lao PDR ³	1	0	0	0.00%
Malaysia ³	10	0	0	0.00%
Philippines ⁴	28	0	0	0.00%
Singapore ⁵	48	0	0	0.00%
Thailand ³	833	0	10	1.20%
Vietnam ³	201	0	8	3.98%
ASEAN Total	1228	0	18	1.47%

Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia
3. IBS Bluedot (Accessed on October 29, 2024), (<https://portal.bluedot.org/>)
4. Department of Health Philippines
5. Ministry of Health Singapore, accessed October 29, 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 Oct. 26, 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 October 29, 2024 (<https://ourworldindata.org/monkeypox>)

Mpox cases per region (Jan. 1, 2023 to Oct. 26, 2024)

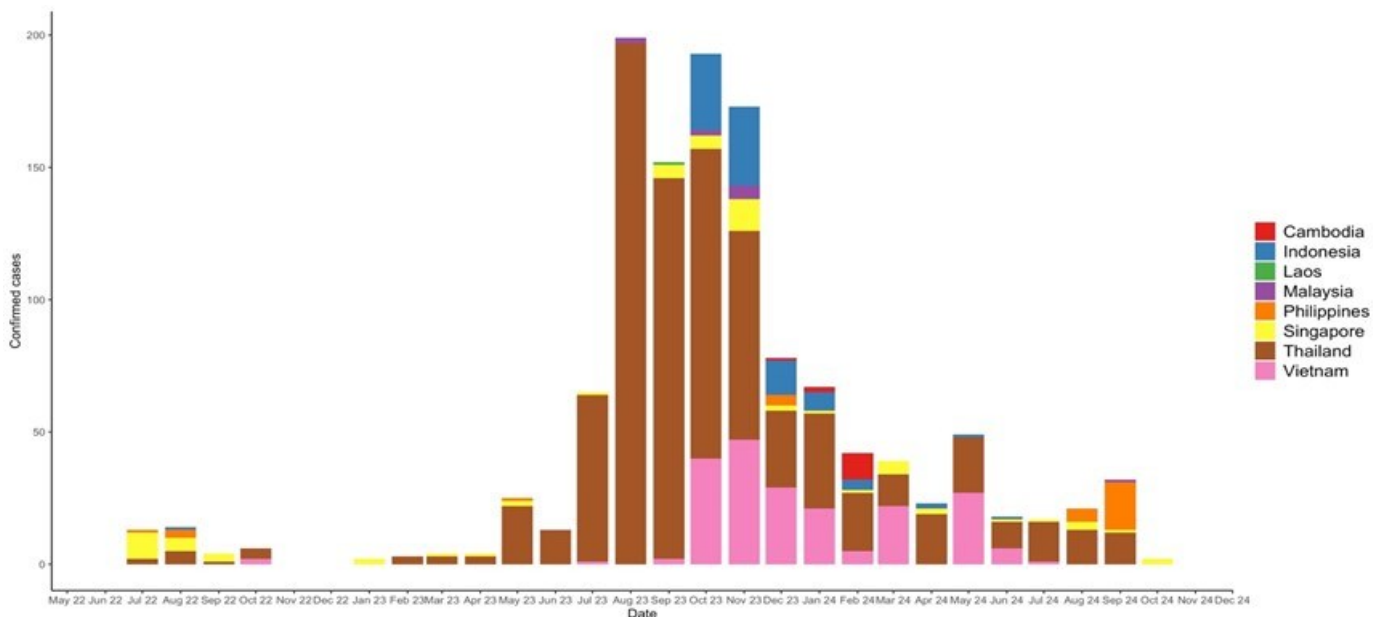
REGIONS	CUMULATIVE CASES 2023-2024	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	8,946	0	40	0.45%
AMERICAS	9,045	0	98	1.08%
ASEAN	1,228	0	18	1.47%
ASIA & OCEANIA	6,101	0	21	0.34%
EUROPE	2,408	0	5	0.21%
TOTAL	27,728	0	182	0.66%

Source: Our World in Data, accessed on October 29, 2024 (<https://ourworldindata.org/monkeypox>)



Trend of Mpox Confirmed Cases in the ASEAN Region

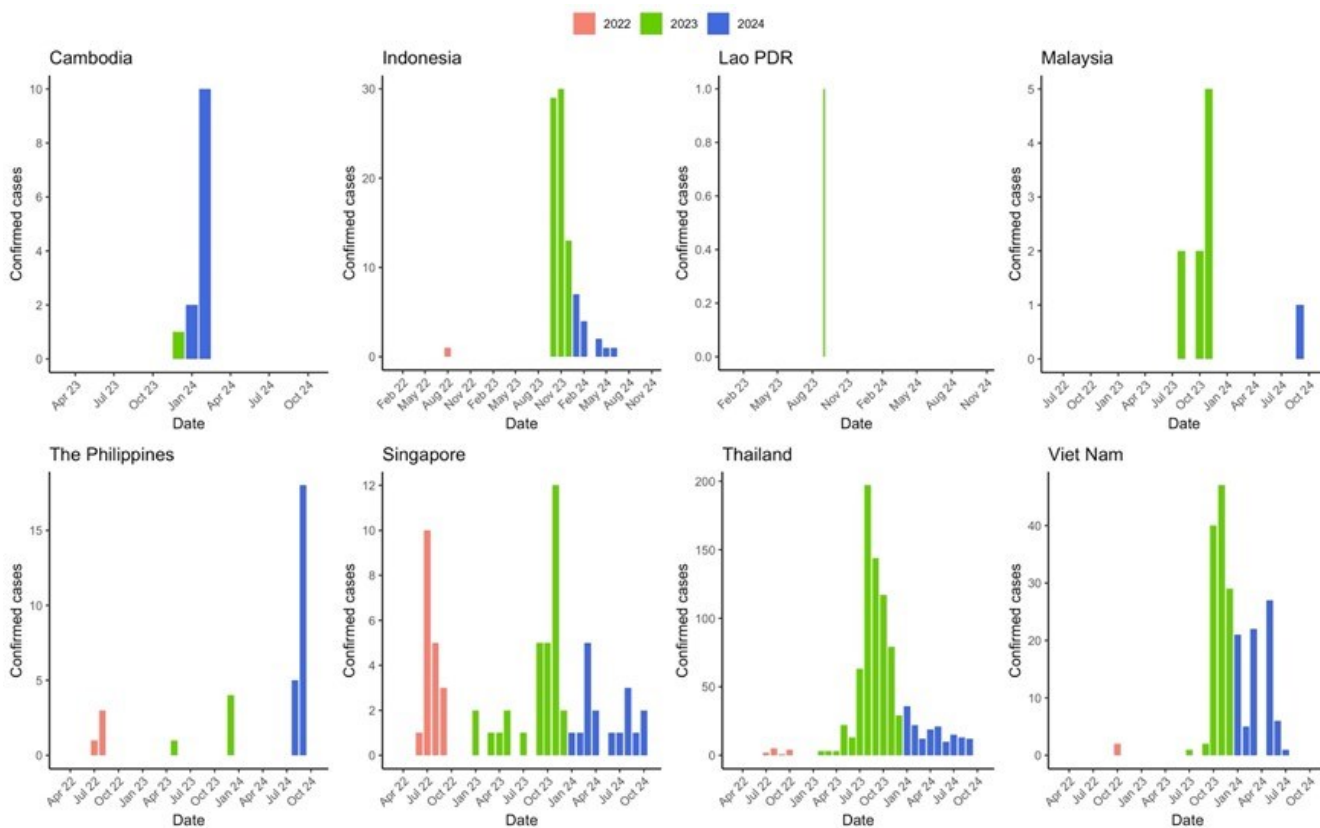
January 1, 2022 to October 26, 2024



Source: Our World in Data, accessed on October 29, 2024 (<https://ourworldindata.org/monkeypox>)

Trend of Mpox Confirmed Cases among ASEAN Member States

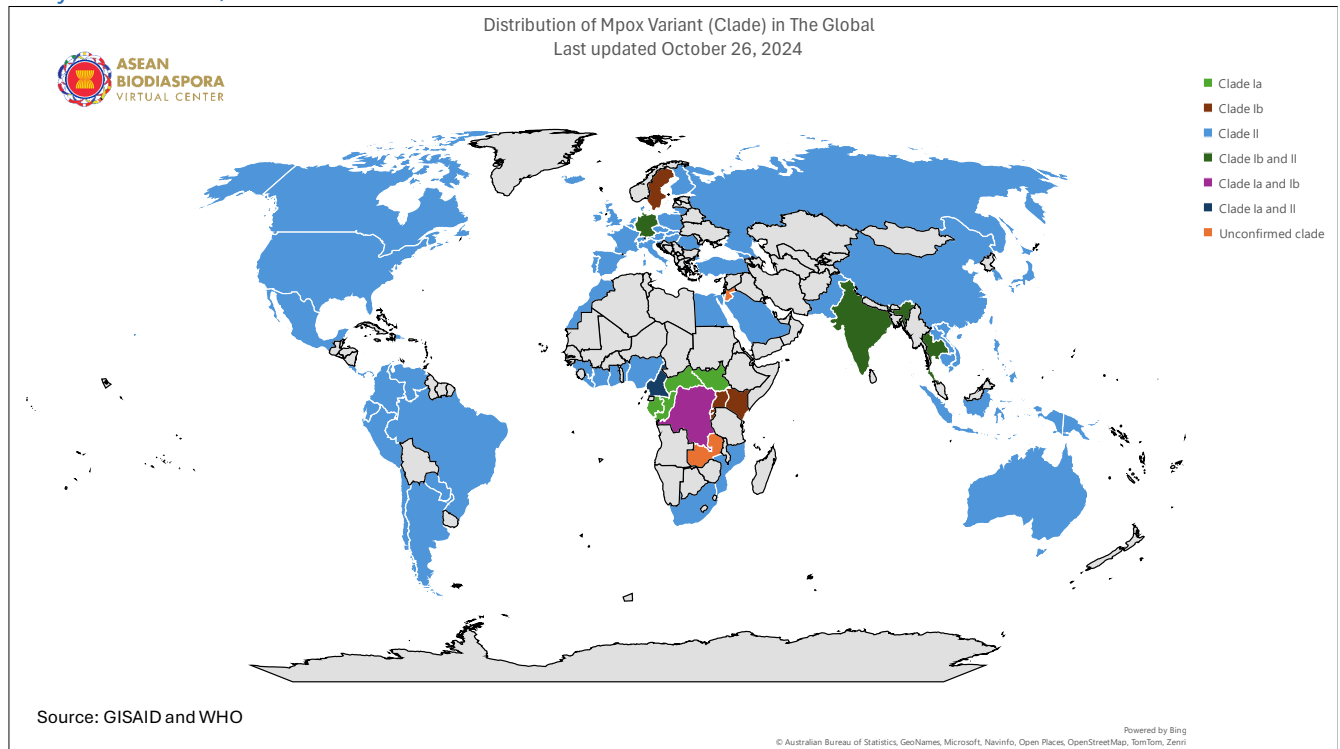
January 1, 2022 to October 26, 2024



Source: Our World in Data, accessed on October 29, 2024 (<https://ourworldindata.org/monkeypox>)

Distribution of Mpox Variants in The Global

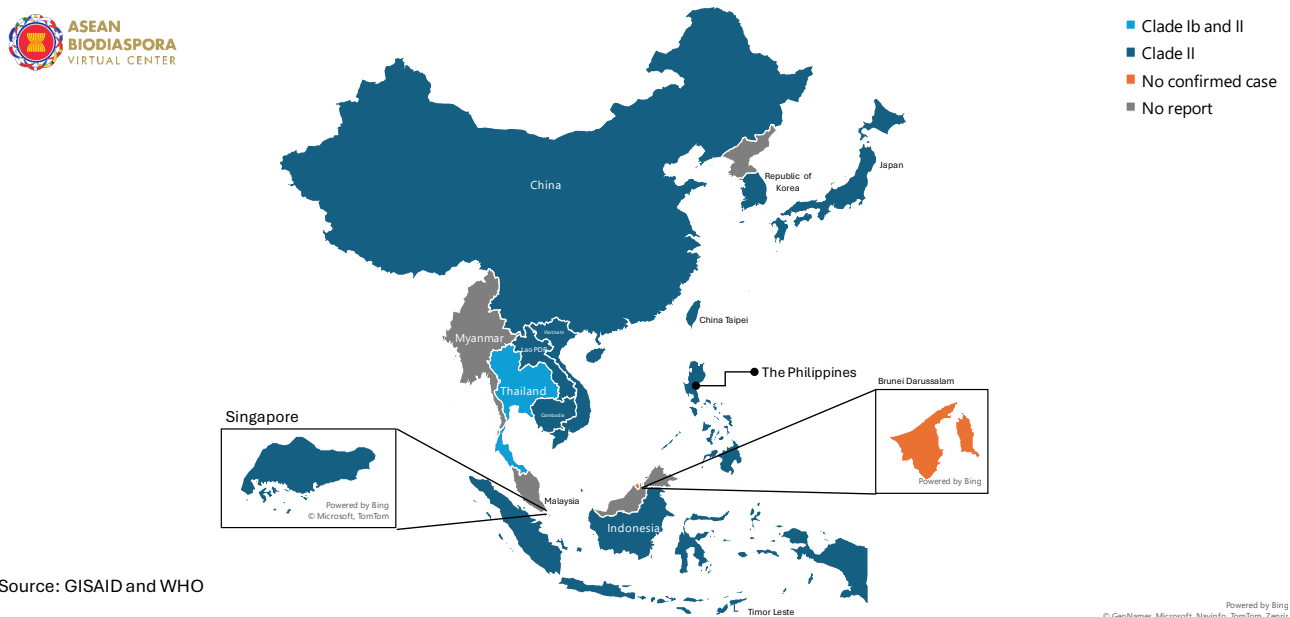
As of October 26, 2024



Distribution of Mpox Variants in the ASEAN and Neighbouring Countries

As of October 26, 2024

Distribution of Mpox Variant (Clade) in ASEAN and Neighbouring Countries
 Last update October 26, 2024

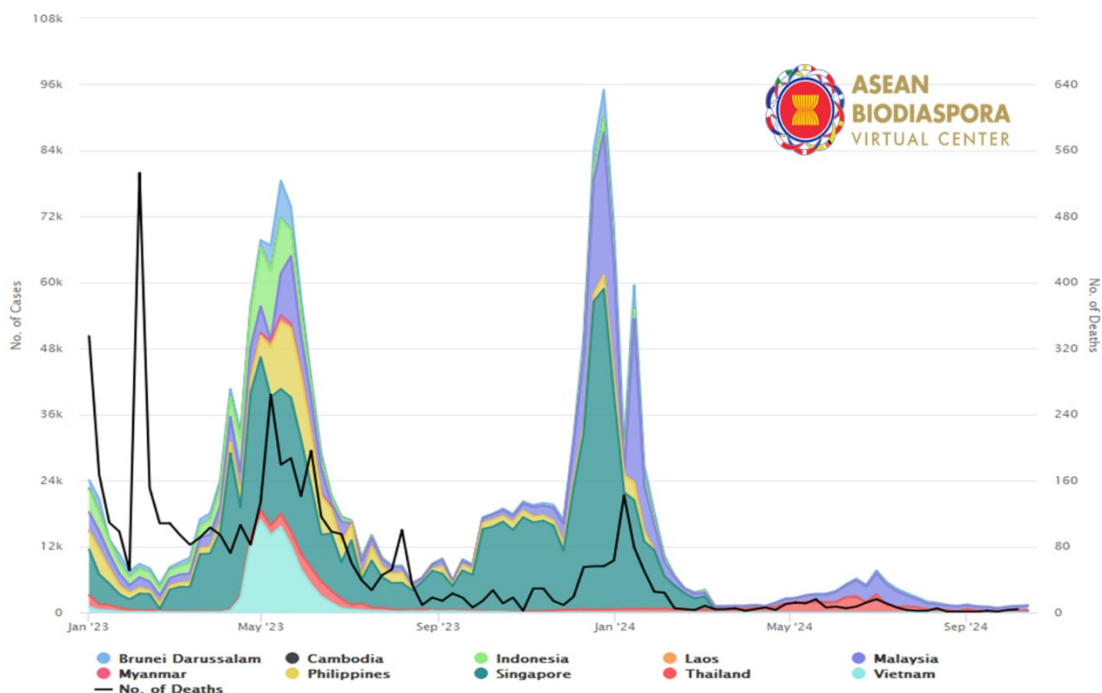


COVID-19: Highlights and Situation Overview

- As of 26 October 2024 (5PM, GMT+7), there were **704,829,384** confirmed cases **worldwide**, including **7,010,819 deaths**. Globally, Case Fatality Rate (CFR) was **1.00%**.
- **37,073,796 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

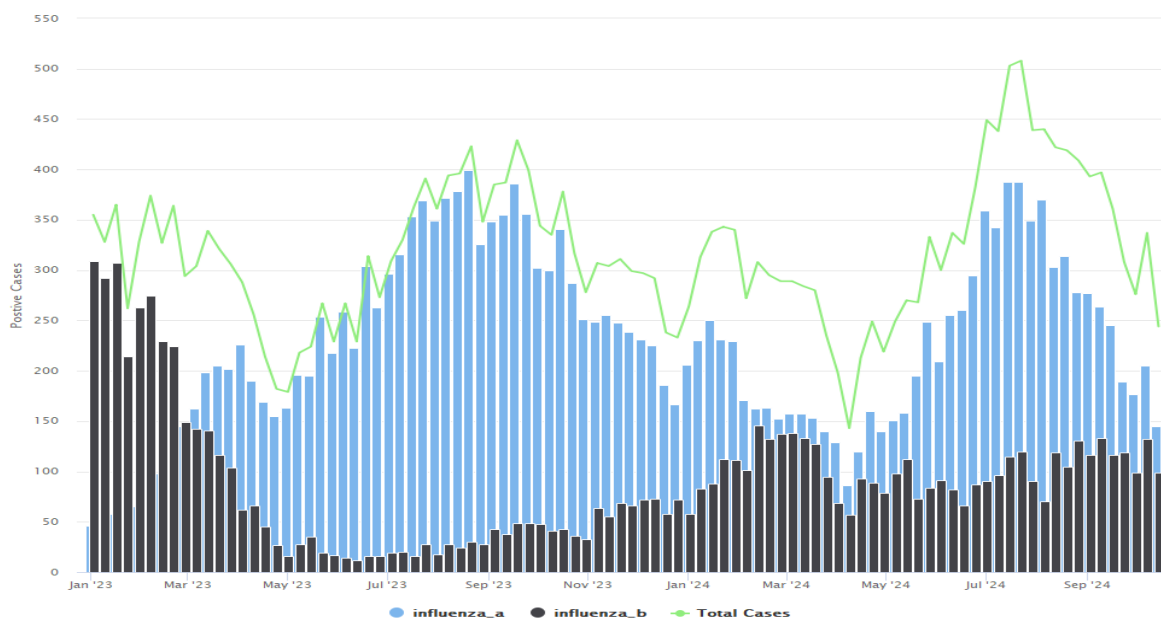
From January 1, 2023 to October 26, 2024



Source: [Singapore Government and the WHO](#), accessed on October 29, 2024

Trends of Influenza Confirmed Cases in the ASEAN region

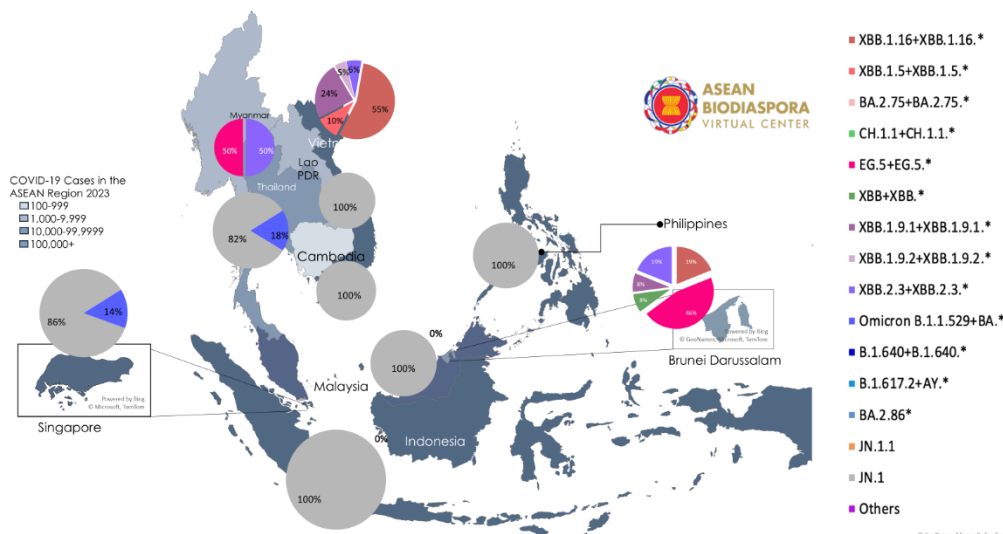
From January 1, 2023 to October 26, 2024



Source: FluNet, accessed on October 29, 2024 (<https://www.who.int/tools/fluNet>)

COVID-19 Variants Frequencies Among the ASEAN Member States

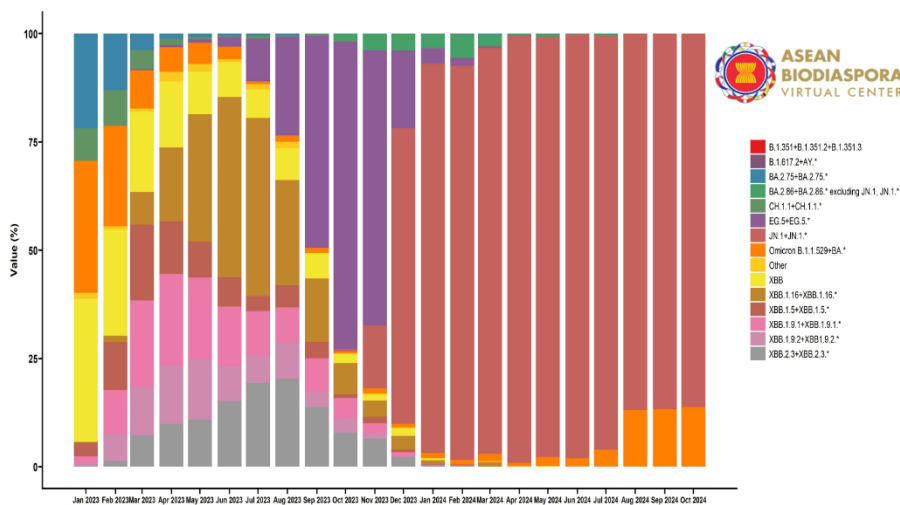
In October 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed October 29, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

COVID-19 Variants Frequencies in the ASEAN Region

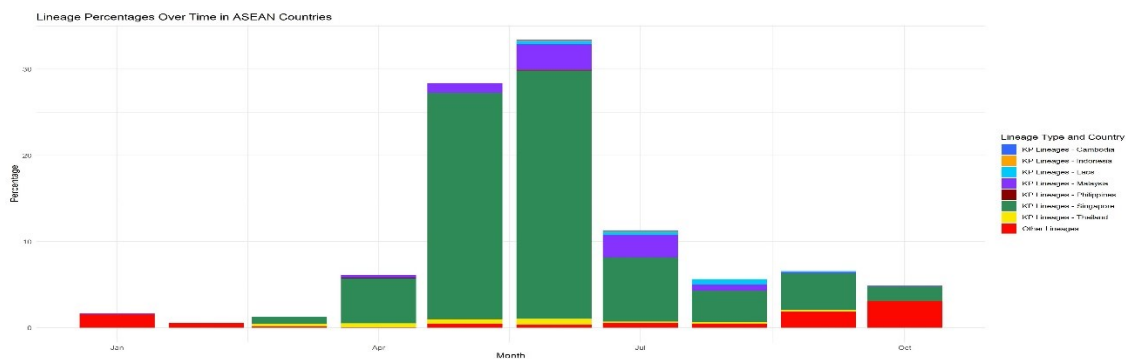
From January 2023 to October 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed October 29, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

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

From January 2024 to October 2024

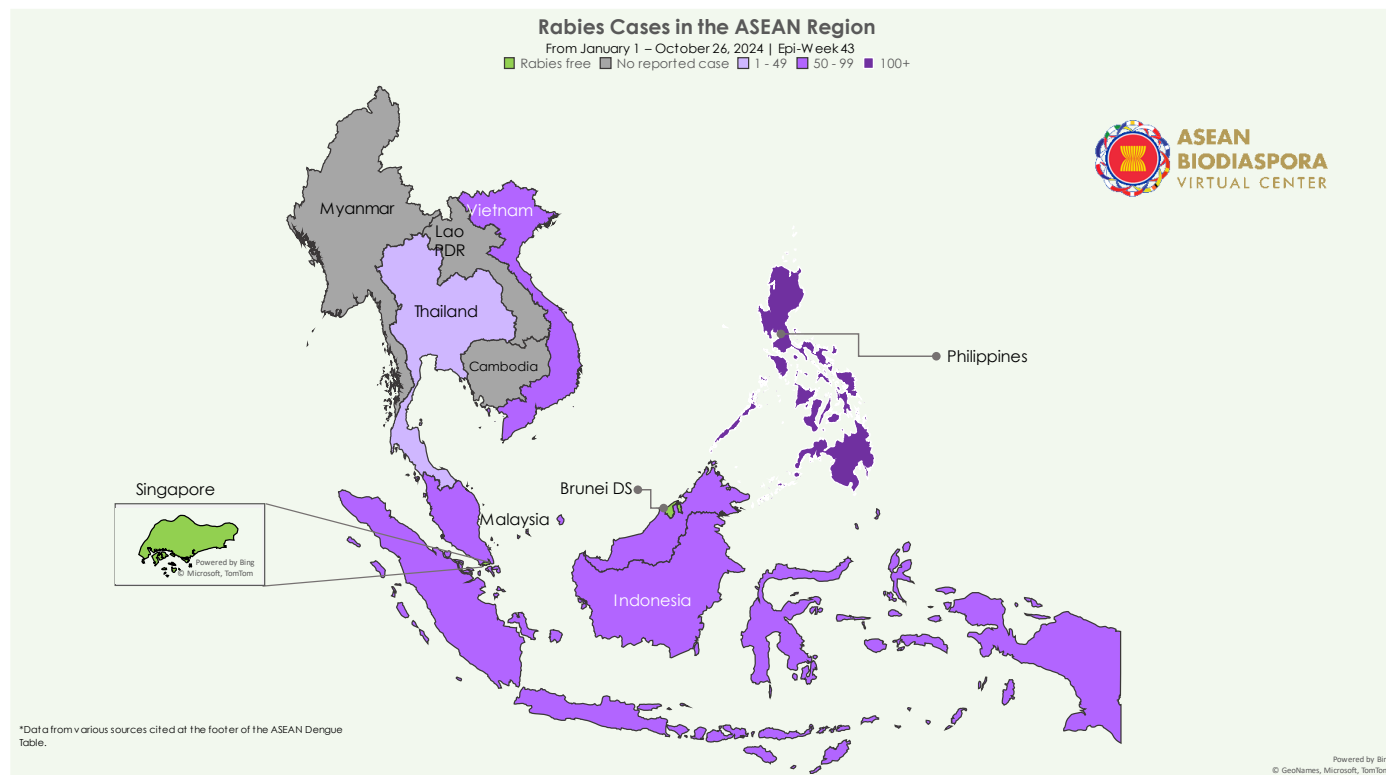


Source: GISAID. "hCoV-19 Variants Dashboard," accessed on October 29, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1 to October 19, 2024 (Epi-Week 42)



Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Rabies Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Brunei Darussalam			Rabies-free country		
Cambodia	-	-	-	-	-
Indonesia¹	Week 27	78	-	78	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 24	79	-	79	100%
Myanmar	-	-	-	-	-
Philippines²	Week 39	354	-	354	100%
Singapore			Rabies-free country		
Thailand³	Week 41	5	0	5	100%
Viet Nam²	Week 42	65	-	65	100%
Total		581	0	581	100%

Source:

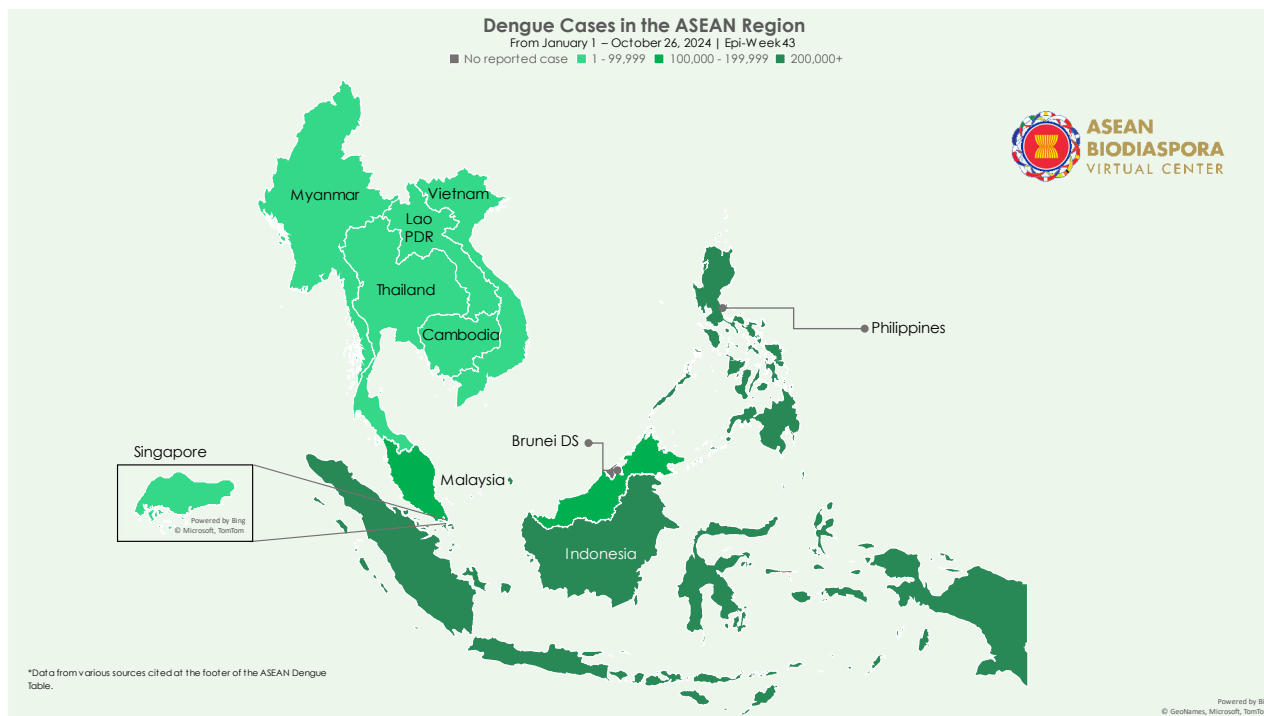
1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed October 29, 2024 (<https://portal.bluedot.global/>)
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 29, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- 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 October 26, 2024 (Epi-Week 43)



Dengue cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-
Cambodia¹	Week 38	13,752	-	37	-	0.27%
Indonesia^{2*}	Week 40	202,012	-	1,202	-	0.60%
Lao PDR¹	Week 40	16,182	-	1	-	0.01%
Malaysia¹	Week 40	105,149	-	95	-	0.09%
Myanmar³	Week 27	1,309	-	3	-	0.23%
Philippines³	Week 41	269,467	-	546	-	0.20%
Singapore^{4**}	Week 42	12,618	101	0	0	0.00%
Thailand^{5***}	Week 41	89,519	2,096	70	3	0.08%
Viet Nam¹	Week 40	89,397	-	15	-	0.02%
Total		799,405	2,197	1,969	3	0.25%

Source:

1. WHO WPRO, "Dengue," World Health Organization, accessed October 29, 2024 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
2. Ministry of Health, Republic of Indonesia
3. Bluedot Developer Portal, accessed October 29, 2024, (<https://developer-portal.bluedot.global/>).
4. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed October 29, 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 October 29, 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 **2,197** new dengue cases since the previous report. The region reported **799,405** total cases with **0.25%** CFR.

Malaria Cases in the ASEAN Region

From January 1 to October 26, 2024 (Epi-Week 43)



Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Malaria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 43	311	9	0	0.00%
Indonesia²	Week 43	374,161	10,064	130	0.04%
Lao PDR³	Week 42	17,609	-	11	0.06%
Malaysia⁴	Week 30	24	-	-	0.00%
Myanmar	-	-	-	-	-
Philippines⁴	Week 6	2	-	-	0.00%
Singapore⁴	Week 42	22	0	0	0.00%
Thailand⁵	Week 41	3,721	51	1	0.03%
Viet Nam³	Week 40	165	-	-	0.00%
Total		396,015	10,124	151	0.04%

Source:

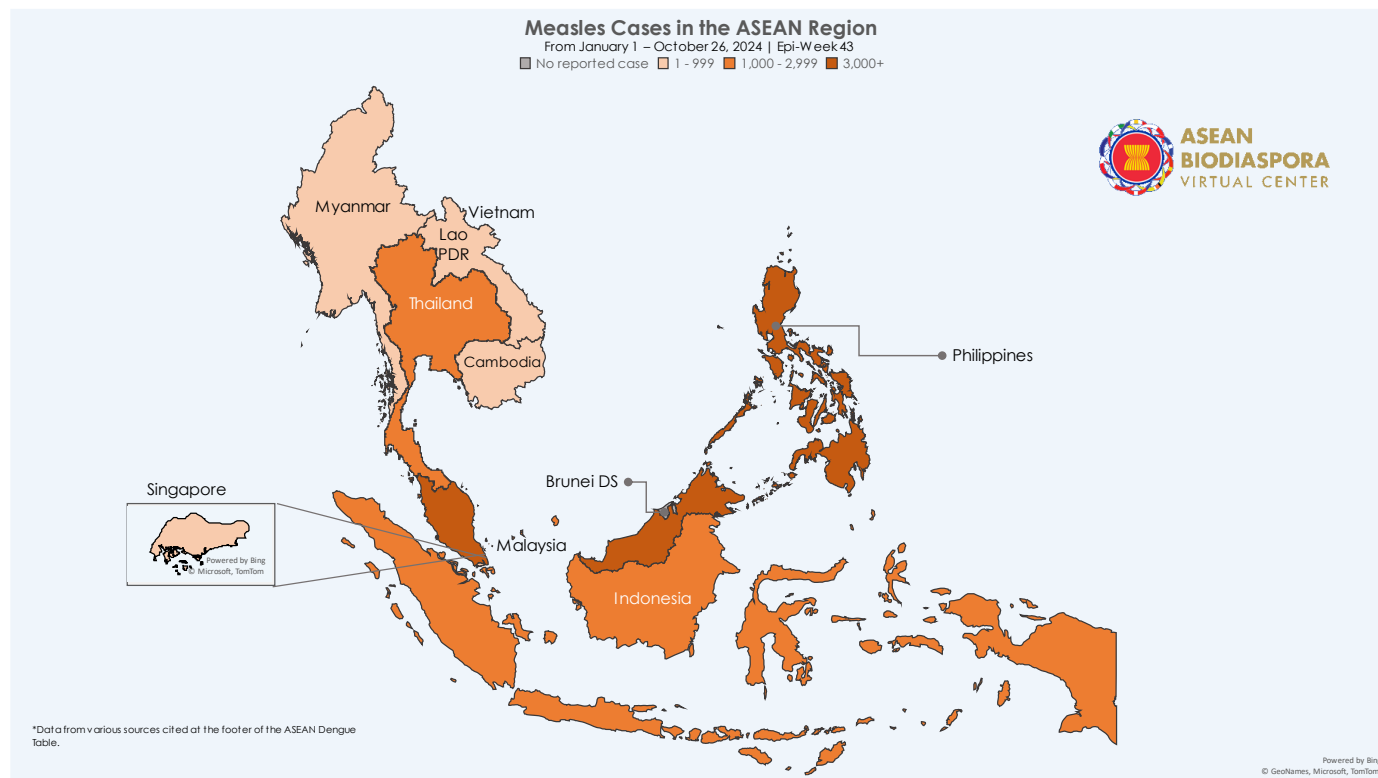
1. Cambodia National Malaria Center, accessed October 29, 2024 (<https://mis.cnm.gov.kh/Dashboard>)
2. Malaria Cases in Indonesia, accessed October 29, 2024 (<https://malaria.kemkes.go.id/case>)
3. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed October 29, 2024 (<https://www.facebook.com/CCEH.MoH.Lao/>)
4. Bluedot Platform, accessed October 29, 2024 (<https://portal.bluedot.global/>)
5. Ministry of Health Singapore, accessed October 29, 2024 (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin>)

- The **ASEAN** region reported **10,124** new malaria cases since the previous report. The region reported **396,015** total cases with **0.04%** CFR.

VACCINE-PREVENTABLE DISEASES

Measles Cases in the ASEAN Region

From January 1 to October 26, 2024 (Epi-Week 43)



Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia¹	Week 27	4	-	-	0.00%
Indonesia²	Week 35	1,410	-	0	0.00%
Lao PDR¹	Week 31	1	-	-	0.00%
Malaysia¹	Week 35	2,806	-	-	0.00%
Myanmar¹	Week 40	30	-	-	0.00%
Philippines¹	Week 35	3,408	-	3	0.09%
Singapore³	Week 42	10	1	0	0.00%
Thailand⁴	Week 41	4,664	285	1	0.02%
Viet Nam¹	Week 35	469	-	-	0.00%
Total		12,802	286	4	0.03%

Source:

1. Provisional Measles and Rubella Data, World Health Organization, accessed October 29, 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 October 29, 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 October 29, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **286** new measles cases since the previous report. The region reported **12,802** total cases with **0.03%** CFR.



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

Epidemiological Week 43 | From January 1 to October 26, 2024

Infectious Diseases	COVID-19			Mpox			Rabies		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	87,634	77	0.09%	-	-	-	Rabies-free Country		
Cambodia	886	-	0.00%	20	0	0.00%	-	-	-
Indonesia	118,238	1,454	1.23%	87	0	0.00%	78	78	100%
Lao PDR	1,474	87	5.90%	1	0	0.00%	-	-	-
Malaysia	299,012	494	0.17%	10	0	0.00%	79	79	100%
Myanmar	9,621	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	84,148	1,068	1.30%	833	10	1.20%	5	5	100%
Viet Nam	101,828	20	0.02%	201	8	3.98%	65	65	100%
ASEAN Region	1,663,693	4,985	0.30%	1,228	18	1.47%	581	581	100%

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%	311	9	0%	4	0	0%
Indonesia	202,012	1,202	0.60%	374,161	130	0.04%	1,410	0	0%
Lao PDR	16,182	1	0.01%	17,609	11	0.06%	1	0	0%
Malaysia	105,149	95	0.09%	24	0	0%	2,806	0	0%
Myanmar	1,309	3	0.23%	-	-	-	30	0	0%
Philippines	269,467	546	0.20%	2	0	0%	3,408	3	0.09%
Singapore	12,618	0	0.00%	22	0	0%	10	0	0%
Thailand	89,519	70	0.08%	3,721	1	0.03%	4,664	1	0.02%
Viet Nam	89,397	15	0.02%	165	0	0%	469	0	0.00%
ASEAN Region	799,405	1,969	0.25%	396,015	151	0.04%	12,802	4	0.03%