



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

Editorial

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Table of Contents

| | |
|--|-----------|
| Key Findings | 1 |
| Reported Infectious Diseases in the ASEAN Region and Neighboring Countries | 1 |
| Emerging Diseases | 2 |
| Mpox | 2 |
| Mpox Cases Reported in the ASEAN Region | 2 |
| Mpox Highlights and Situation Overview | 3 |
| Mpox Cases in the ASEAN Region | 3 |
| Top 5 Countries with Most Mpox Cases Globally | 3 |
| Mpox Cases per Region | 3 |
| Trend of Mpox in the ASEAN Region | 4 |
| Trend of Mpox among ASEAN Member States | 4 |
| Distribution of Mpox Variants in The Global | 5 |
| Distribution of Mpox Variants in The ASEAN and Neighbouring Countries | 5 |
| COVID-19 | 6 |
| COVID-19: Highlights and Situation Overview | 6 |
| ASEAN Weekly COVID-19 Cases and Deaths | 6 |
| Trends of Influenza Confirmed Cases in the ASEAN region | 6 |
| COVID-19 Variants Frequencies Among the ASEAN Member States | 7 |
| COVID-19 Variants Frequencies in the ASEAN Region | 7 |
| Zoonosis | 8 |
| Rabies | 8 |
| Rabies Cases in the ASEAN Region Map | 8 |
| Rabies Cases in the ASEAN Region Table | 8 |
| Vector-Borne Diseases | 9 |
| Dengue | 9 |
| Dengue Cases in the ASEAN Region Map | 9 |
| Dengue Cases in the ASEAN Region Table | 9 |
| Malaria | 10 |
| Malaria Cases in the ASEAN Region Map | 10 |
| Malaria Cases in the ASEAN Region Table | 10 |
| Vaccine-Preventable Diseases | 11 |
| Measles | 11 |
| Measles Cases in the ASEAN Region Map | 11 |
| Measles Cases in the ASEAN Region Table | 11 |
| Annex 1. Infectious Diseases in the ASEAN Region – Summary Table | 12 |

Key Findings

Global

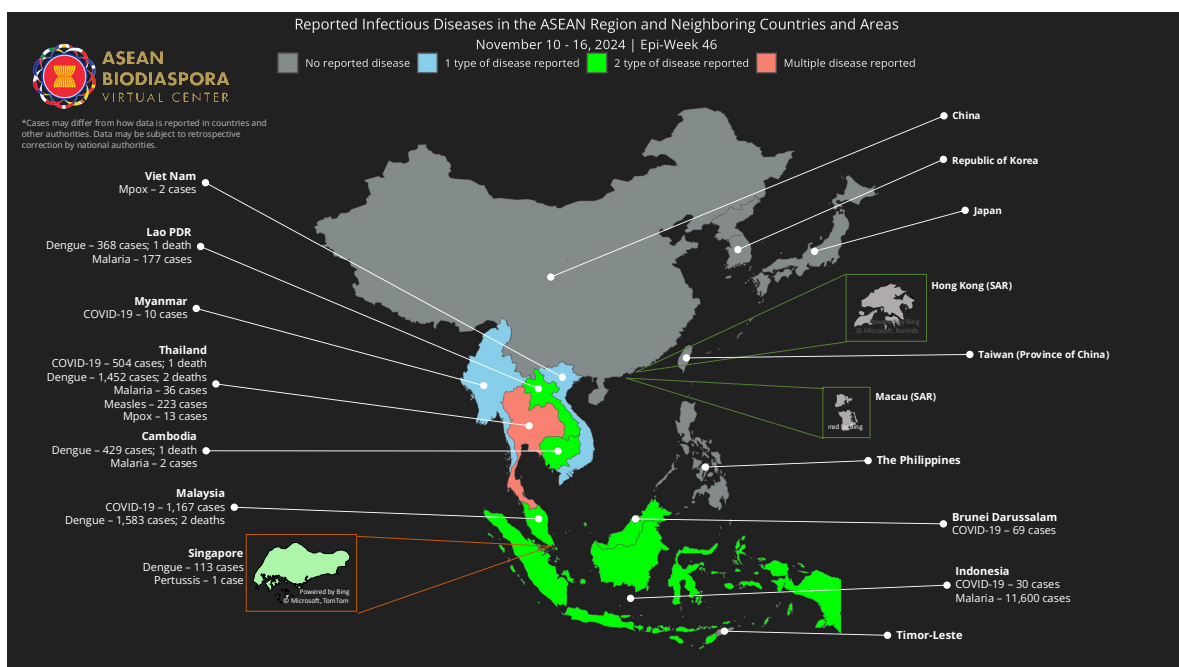
- The Democratic Republic of the Congo reported 42,912 suspected Mpox cases, including 9,454 confirmed cases, with Kinshasa currently managing 123 active cases. [\[Full article\]](#)
- Two cases of anthrax were confirmed in western Mongolia's Uvs Province, linked to a cow's slaughter and meat consumption, leading to quarantine measures and hospitalization of nine close contacts. [\[Full article\]](#)
- Canada reported its first human case of avian influenza in a teenager from British Columbia, amid a surge in H5N1 cases among poultry and wild birds. [\[Full article\]](#) Meanwhile, California, the US, has confirmed 21 human cases of H5N1, emphasizing risk to farm workers, with preventive measures including Personal Protective Equipment (PPE) and additional flu vaccines. [\[Full article\]](#)
- New Brunswick, Canada, has reported 43 measles cases, primarily affecting individuals under 19, linked to a previous travel-associated case. Vaccination clinics are being organized as the outbreak continues. [\[Full article\]](#)
- South Asia (Bangladesh, India and Pakistan) is experiencing a dengue epidemic with new cases and deaths reported. [\[Full article\]](#), [\[Full article\]](#), [\[Full article\]](#) The surge also occurs in Italy and Russia with local infections reported. [\[Full article\]](#), [\[Full article\]](#)
- Pakistan has confirmed its 49th wild poliovirus case this year, the first from Jaffarabad district, which borders Nasirabad, Jhal Magsi, and Jacobabad. [\[Full article\]](#)
- Gujarat State, India, reported its 500th Zika virus case, involving a 70-year-old man who has fully recovered. Preventive screenings in his area detected no additional cases. [\[Full article\]](#)

ASEAN Region

- Ho Chi Minh City, Viet Nam, has seen a surge in measles cases, with 349 children under 9 months affected, leading to early vaccination administration for children aged 6 to 9 months. In 2024, the city has reported 4,200 cases and four deaths, with officials attributing the rise to unvaccinated students and calling for improved school vaccination monitoring. [\[Full article\]](#)
- North Timor Tengah District, East Nusa Tenggara Province, Indonesia, reported a rabies-related death after a dog bite, prompting vaccination efforts and stray dog control measures. [\[Full article\]](#)
- A 26-year-old woman in Sarawak, Malaysia, died from rabies. The Veterinary Services Department vaccinated over 13,500 dogs and cats to prevent further outbreaks. [\[Full article\]](#)

Reported Infectious Diseases in the ASEAN Region and Neighbouring Countries and Areas

Epidemiological Week 46 | November 10 - 16, 2024

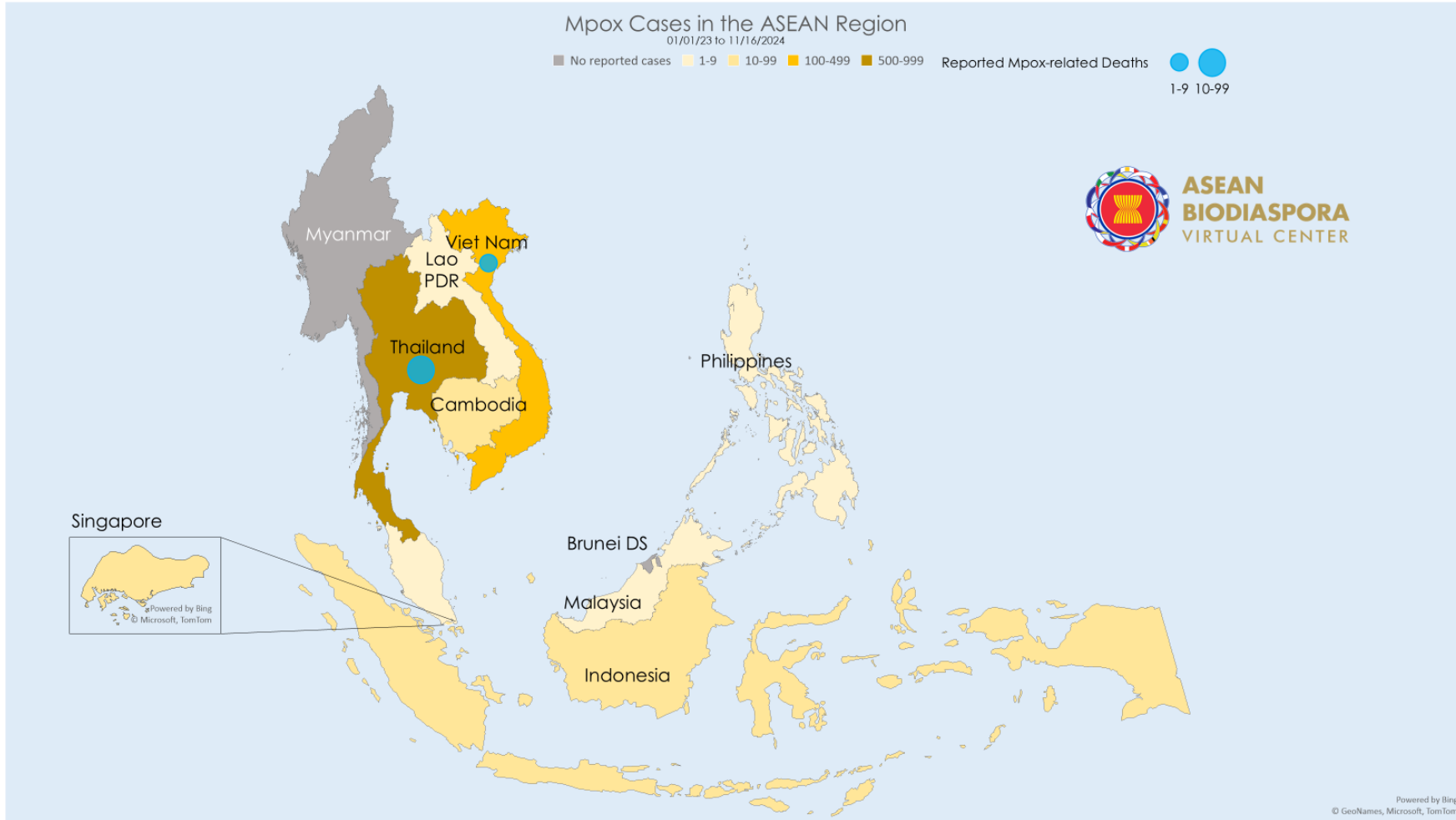


Source: AMS Official Sources, [WHO](#), [Our World in Data](#), and [Bluedot Platform](#), accessed on November 19, 2024

EMERGING DISEASES

Mpox Cases Reported in the ASEAN Region

January 1, 2023 – November 16, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. Ministry of Health Singapore, accessed November 19, 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 16 November 2024, **33,188** confirmed cases worldwide since 2023, including **199** deaths. Globally, the CFR was **0.60 %**.
- **1,243 confirmed cases** including **18 deaths** in the **ASEAN** region, with a CFR of **1.45%**.
- **31,945 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. 16, 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 | 846 | 13 | 10 | 1.18% |
| Vietnam ³ | 203 | 2 | 8 | 3.94% |
| ASEAN Total | 1,243 | 15 | 18 | 1.45% |

Source:

1. Ministry of Health Cambodia
2. Ministry of Health Republic of Indonesia
3. Our World in Data, accessed on November 19, 2024 (<https://ourworldindata.org/monkeypox>)
4. Department of Health Philippines
5. Ministry of Health Singapore, accessed November 19, 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. 16, 2024)

| Country | Cumulative Cases | New Cases Since Previous Report | Cumulative Deaths | CFR |
|------------------------------|------------------|---------------------------------|-------------------|-------|
| Democratic Republic of Congo | 10,423 | 3,288 | 45 | 0.43% |
| United States of America | 4,099 | 120 | 10 | 0.24% |
| People's Republic of China | 2,707 | 55 | 1 | 0.04% |
| Brazil | 2,329 | 264 | 2 | 0.09% |
| Burundi | 1,874 | 365 | 0 | 0.00% |

Source: Our World in Data, accessed on November 19, 2024 (<https://ourworldindata.org/monkeypox>)

Mpox cases per region (Jan. 1, 2023 to Nov. 16, 2024)

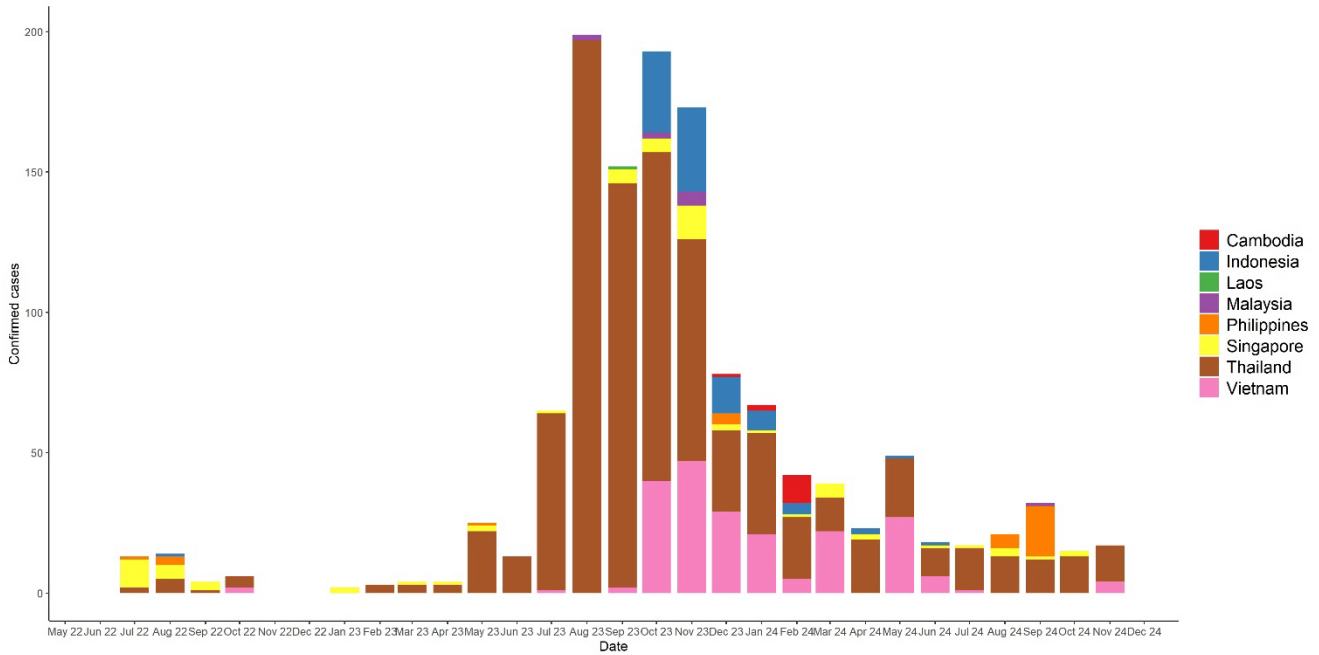
| REGIONS | CUMULATIVE CASES 2023-2024 | NEW CASES SINCE THE PREVIOUS REPORT | CUMULATIVE DEATHS | CFR |
|----------------|----------------------------|-------------------------------------|-------------------|--------------|
| AFRICA | 13,387 | 4,441 | 60 | 0.45% |
| AMERICAS | 9,461 | 416 | 95 | 1.00% |
| ASEAN | 1,243 | 15 | 18 | 1.45% |
| ASIA & OCEANIA | 6,460 | 359 | 22 | 0.34% |
| EUROPE | 2,637 | 229 | 4 | 0.15% |
| TOTAL | 33,188 | 5,460 | 199 | 0.60% |

Source: Our World in Data, accessed on November 19, 2024 (<https://ourworldindata.org/monkeypox>)



Trend of Mpox Confirmed Cases in the ASEAN Region

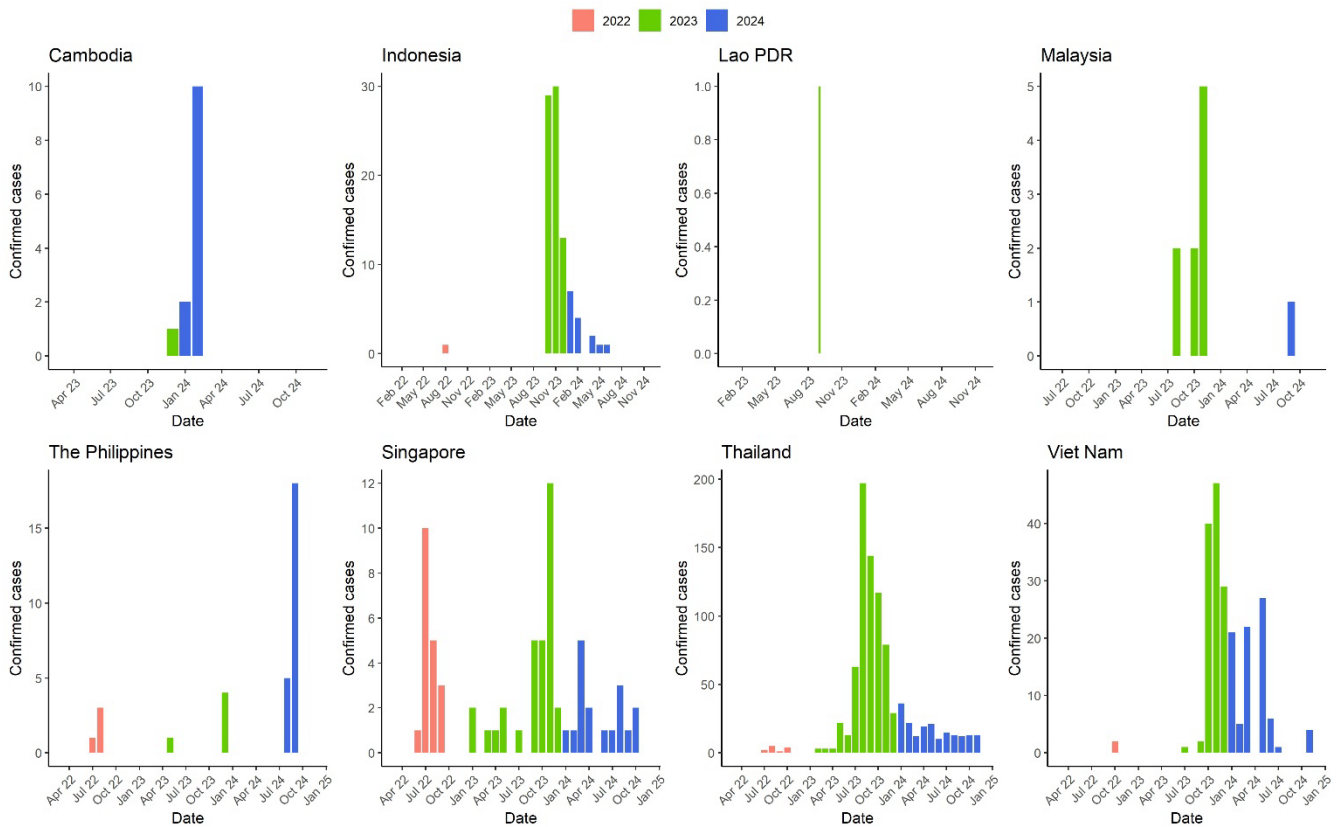
January 1, 2022 to November 16, 2024



Source: Our World in Data, accessed on November 19, 2024 (<https://ourworldindata.org/monkeypox>)

Trend of Mpox Confirmed Cases among ASEAN Member States

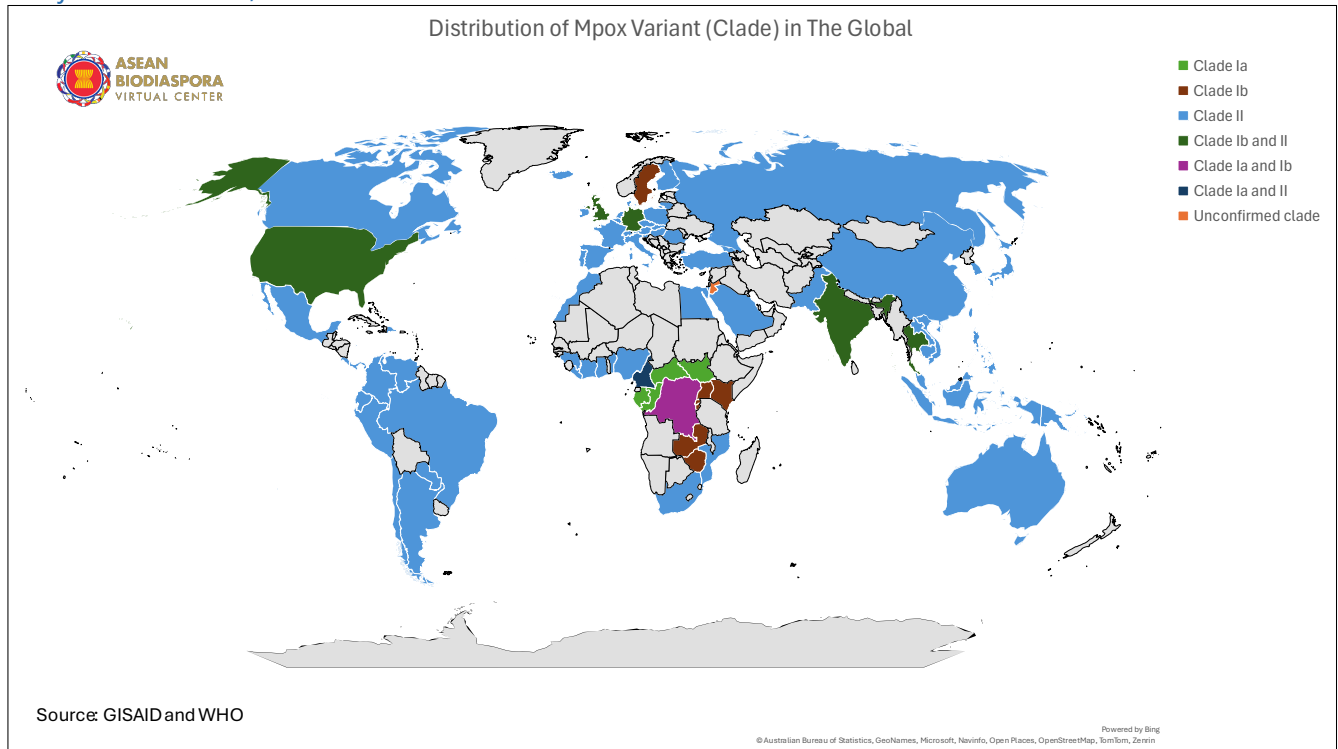
January 1, 2022 to November 16, 2024



Source: Our World in Data, accessed on November 19, 2024 (<https://ourworldindata.org/monkeypox>)

Distribution of Mpox Variants in The Global

As of November 16, 2024



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

As of November 16, 2024

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

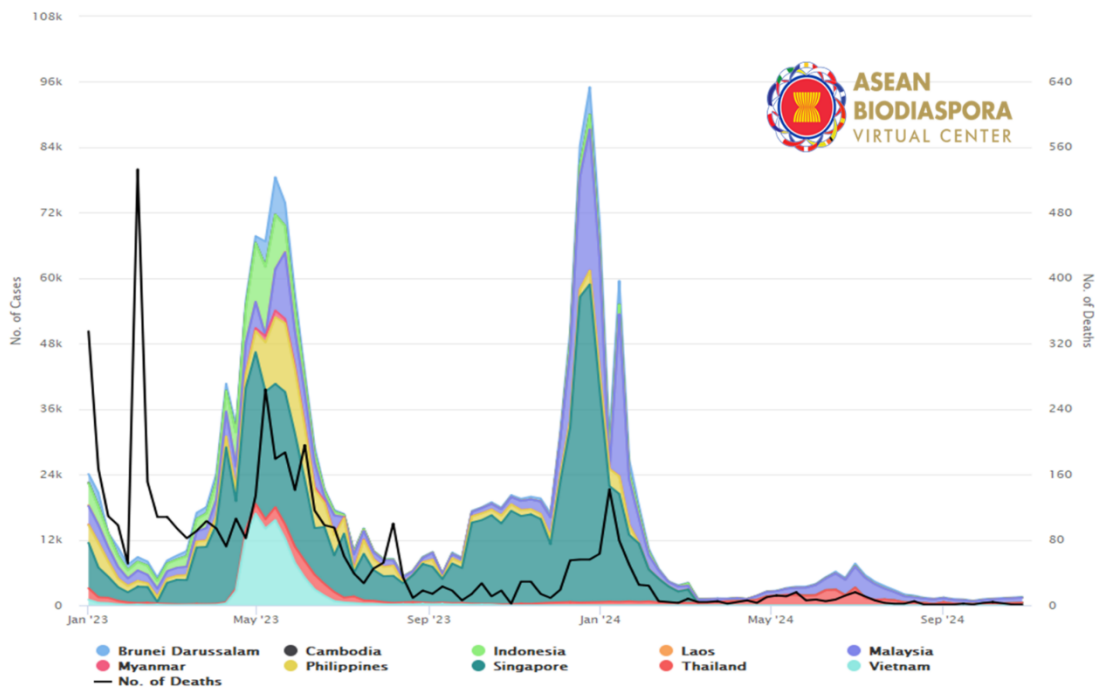


COVID-19: Highlights and Situation Overview

- As of 16 November 2024 (5PM, GMT+7), there were **704,834,453** confirmed cases **worldwide**, including **7,010,821 deaths**. Globally, Case Fatality Rate (CFR) was **1.00%**.
- **37,078,865 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

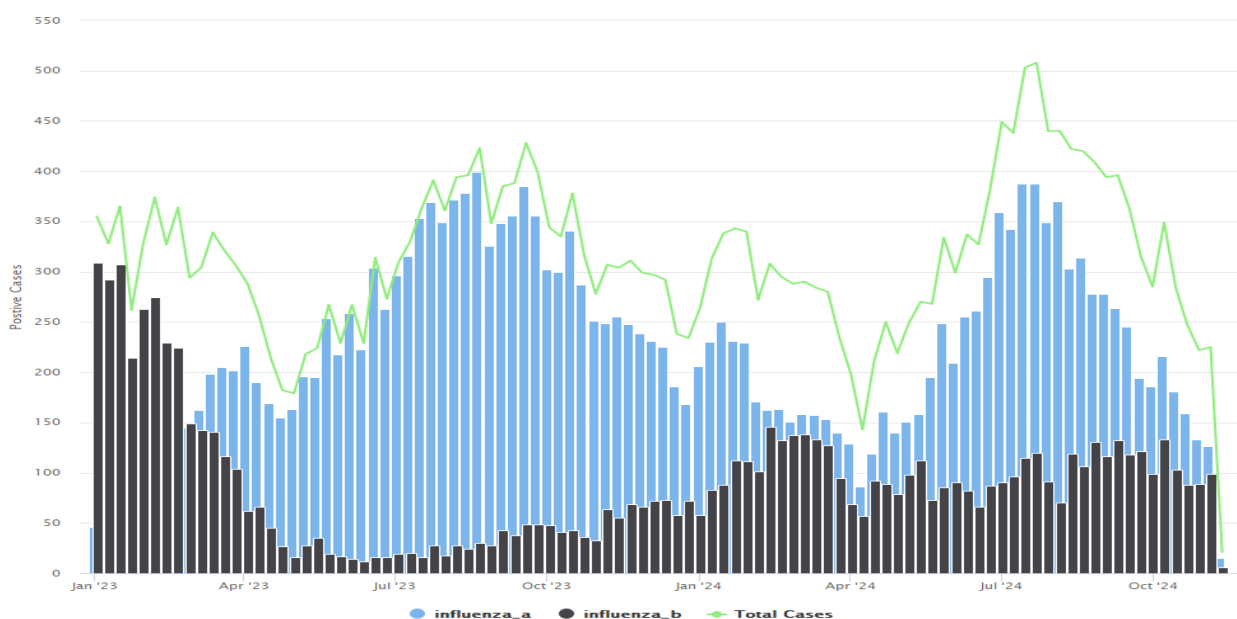
From January 1, 2023 to November 16, 2024



Source: [Singapore Government and the WHO](#), accessed on November 19, 2024

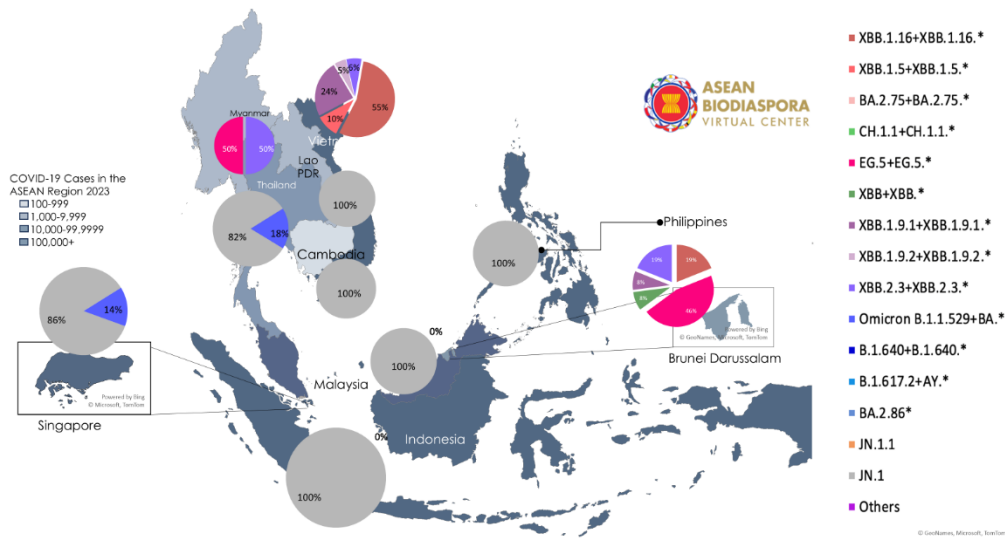
Trends of Influenza Confirmed Cases in the ASEAN region

From January 1, 2023 to November 16, 2024



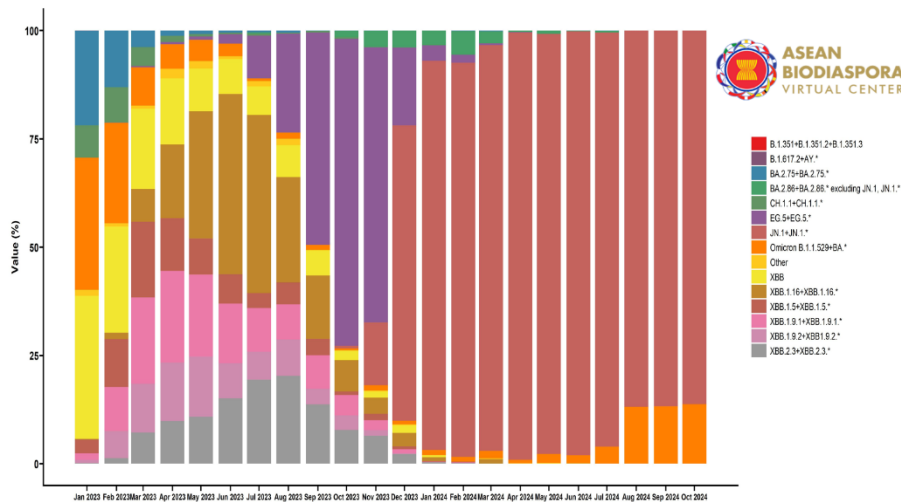
Source: FluNet, accessed on November 19, 2024 (<https://www.who.int/tools/fluNet>)

COVID-19 Variants Frequencies Among the ASEAN Member States In October 2024



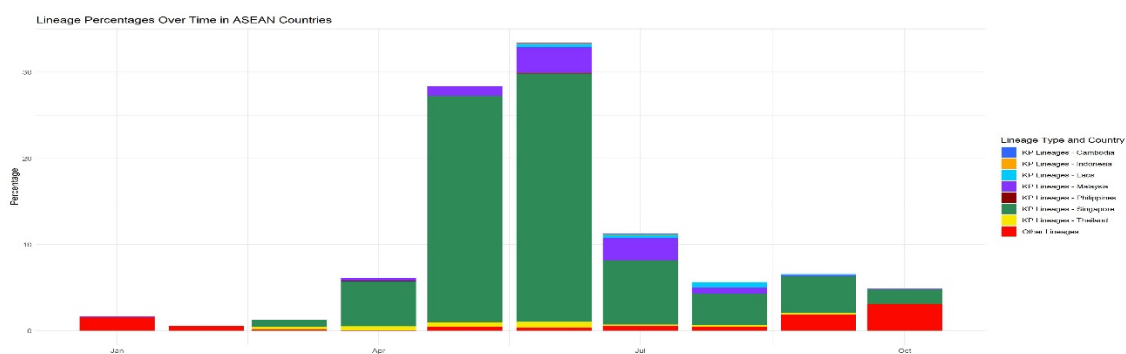
Source: GISAID. "hCoV-19 Variants Dashboard," accessed November 12, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

COVID-19 Variants Frequencies in the ASEAN Region From January 2023 to October 2024



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

COVID-19 "KP" Sub-Variant detected in the ASEAN region From January 2024 to October 2024

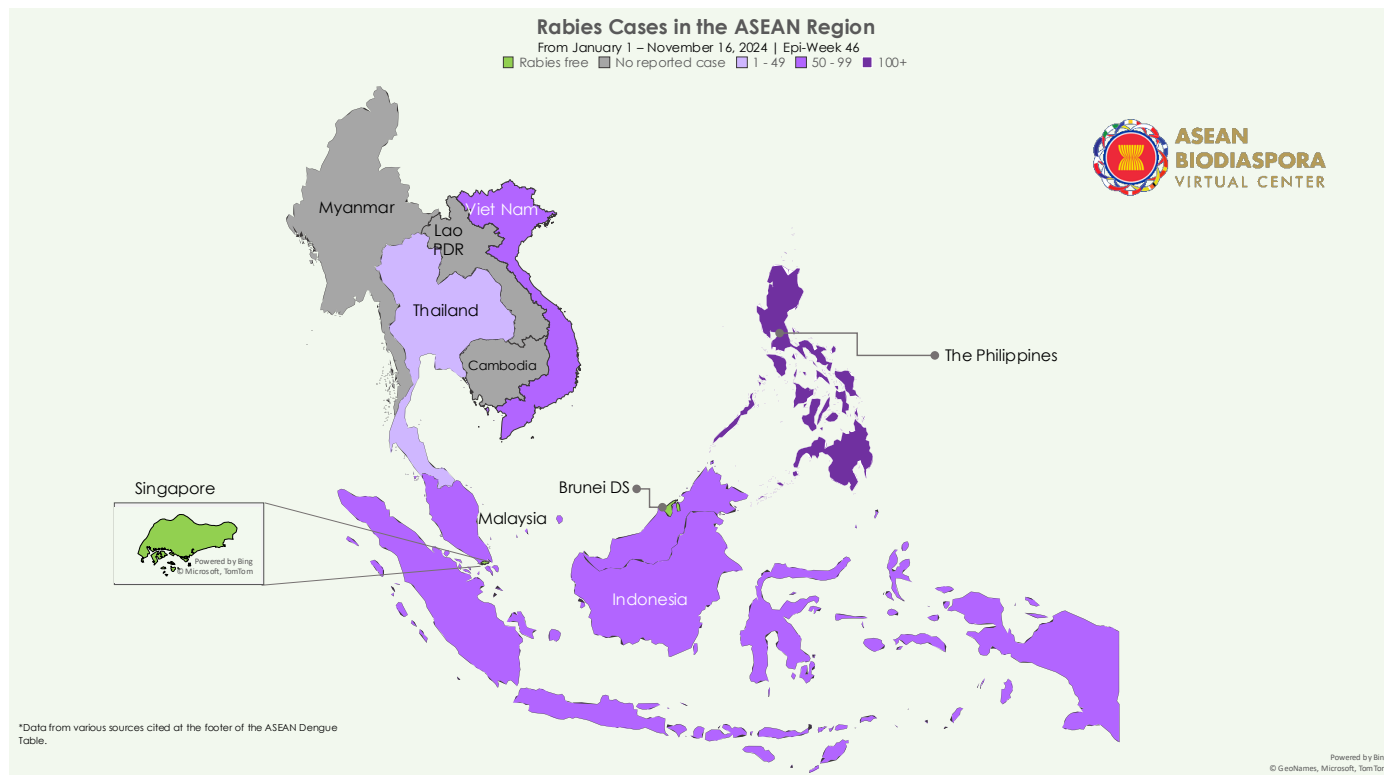


Source: GISAID. "hCoV-19 Variants Dashboard," accessed on November 19, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1 to November 16, 2024 (Epi-Week 46)



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 November 19, 2024 (<https://portal.bluedot.global/>)
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed November 19, 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 16, 2024 (Epi-Week 46)



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 44 | 16,327 | 429 | 42 | 1 | 0.26% |
| Indonesia^{2*} | Week 40 | 202,012 | - | 1,202 | - | 0.60% |
| Lao PDR¹ | Week 44 | 17,867 | 368 | 2 | 1 | 0.01% |
| Malaysia^{1,3} | Week 44 | 112,833 | 1,583 | 104 | 2 | 0.09% |
| Myanmar⁴ | Week 27 | 1,309 | - | 3 | - | 0.23% |
| Philippines⁴ | Week 45 | 314,785 | - | 546 | - | 0.17% |
| Singapore^{5**} | Week 44 | 12,947 | 113 | 0 | 0 | 0.00% |
| Thailand^{6***} | Week 44 | 94,831 | 1,452 | 75 | 2 | 0.08% |
| Viet Nam¹ | Week 42 | 100,048 | - | 16 | - | 0.02% |
| Total | | 872,959 | 3,945 | 1,990 | 6 | 0.23% |

Source:

1. WHO WPRO, "Dengue," World Health Organization, accessed November 19, 2024 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
2. Ministry of Health, Republic of Indonesia
3. Senarai Kenyataan Akhbar Demam Denggi dan Chikungunya, Kementerian Kesihatan Malaysia, accessed November 19, 2024 (https://www.moh.gov.my/index.php/database_stores/store_view/17).
4. Bluedot Developer Portal, accessed November 19, 2024, (<https://developer-portal.bluedot.global/>).
5. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed November 19, 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 Public Health Thailand, accessed November 19, 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.

- The **ASEAN** region reported **3,045** new dengue cases since the previous report. The region reported **872,959** total cases with **0.23%** CFR.

Malaria Cases in the ASEAN Region

From January 1 to November 16, 2024 (Epi-Week 46)



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 46 | 341 | 2 | 0 | 0.00% |
| Indonesia² | Week 46 | 409,137 | 11,600 | 112 | 0.03% |
| Lao PDR³ | Week 46 | 18,917 | 177 | 11 | 0.06% |
| Malaysia³ | Week 30 | 24 | - | 0 | 0.00% |
| Myanmar | - | - | - | - | - |
| Philippines³ | Week 6 | 2 | - | 0 | 0.00% |
| Singapore⁴ | Week 45 | 23 | - | 0 | 0.00% |
| Thailand⁵ | Week 44 | 3,849 | 36 | 1 | 0.03% |
| Viet Nam³ | Week 40 | 165 | - | 0 | 0.00% |
| Total | | 432,458 | 11,815 | 124 | 0.03% |

Source:

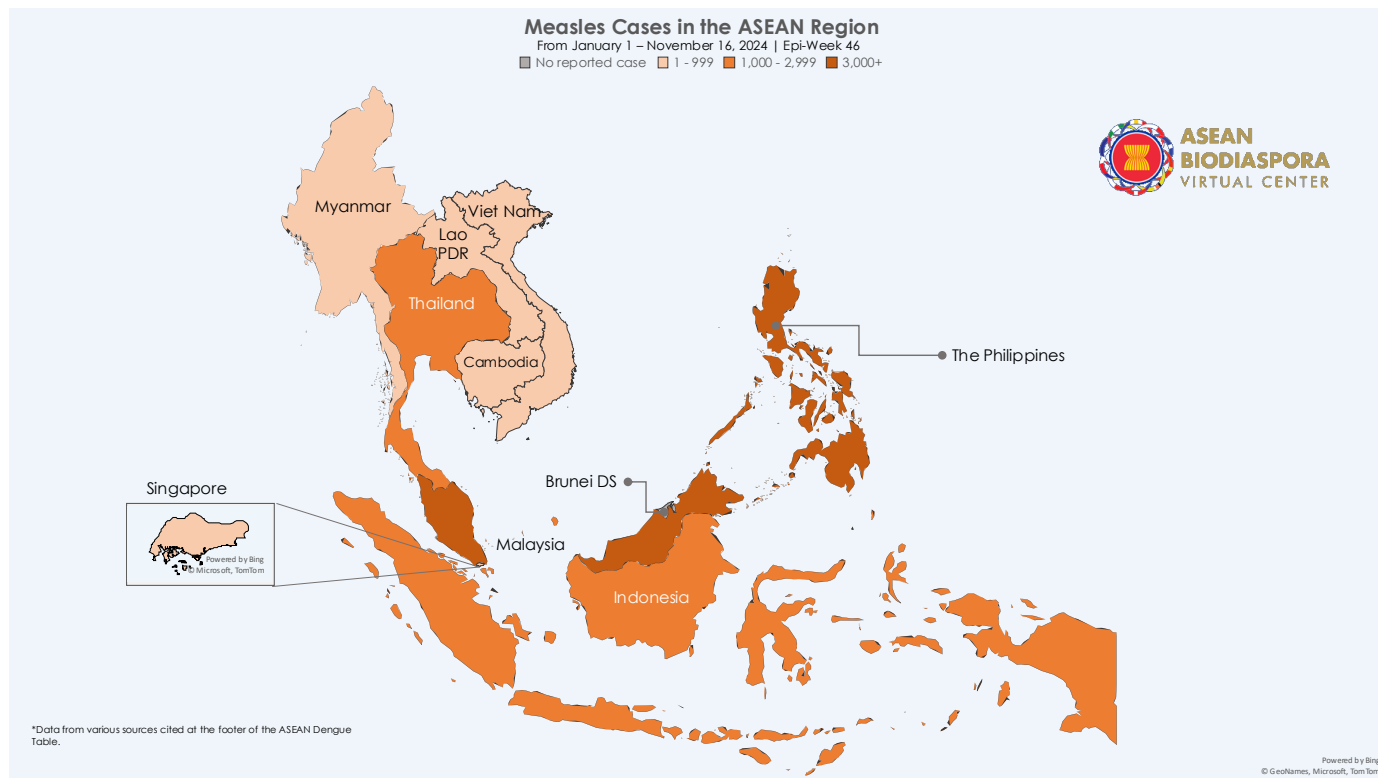
1. Cambodia National Malaria Center, accessed November 19, 2024 (<https://mis.cnm.gov.kh/Dashboard>)
2. Malaria Cases in Indonesia, accessed November 19, 2024 (<https://malaria.kemkes.go.id/case>)
3. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed November 19, 2024 (<https://www.facebook.com/CCEH.MoH.Lao/>)
4. Bluedot Platform, accessed November 19, 2024 (<https://portal.bluedot.global/>)
5. Ministry of Health Singapore, accessed November 19, 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 Public Health Thailand, accessed November 19, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **11,815** new malaria cases since the previous report. The region reported **432,458** total cases with **0.03%** CFR.

VACCINE-PREVENTABLE DISEASES

Measles Cases in the ASEAN Region

From January 1 to November 16, 2024 (Epi-Week 46)



Measles cases in the ASEAN region

| Country | Epi-Week Reported | Cumulative Measles Cases | New Cases Since the Previous Report | Cumulative Deaths | CFR |
|--------------------------|-------------------|--------------------------|-------------------------------------|-------------------|--------------|
| Brunei Darussalam | - | - | - | - | - |
| Cambodia ¹ | Week 27 | 4 | - | 0 | 0.00% |
| Indonesia ² | Week 35 | 1,410 | - | 0 | 0.00% |
| Lao PDR ¹ | Week 31 | 1 | - | 0 | 0.00% |
| Malaysia ¹ | Week 35 | 2,806 | - | 0 | 0.00% |
| Myanmar ¹ | Week 40 | 30 | - | 0 | 0.00% |
| Philippines ¹ | Week 35 | 3,408 | - | 3 | 0.09% |
| Singapore ³ | Week 44 | 10 | 0 | 0 | 0.00% |
| Thailand ⁴ | Week 43 | 5,383 | 223 | 1 | 0.02% |
| Viet Nam ¹ | Week 35 | 469 | - | 0 | 0.00% |
| Total | | 13,521 | 223 | 4 | 0.03% |

Source:

- Provisional Measles and Rubella Data, World Health Organization, accessed November 19, 2024 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
- Ministry of Health, Republic of Indonesia
- Ministry of Health Singapore, accessed November 19, 2024, (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)
- Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed November 19, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **223** new measles cases since the previous report. The region reported **13,521** total cases with **0.03%** CFR.



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

Epidemiological Week 46 | From January 1 to November 16, 2024

| Infectious Diseases | COVID-19 (2023 – 2024) | | | Mpox (2023 – 2024) | | | Rabies | | |
|---------------------|------------------------|--------------|--------------|--------------------|-------------|--------------|---------------------|-------------|-------------|
| | Cum. Cases | Cum. Deaths | CFR | Cum. Cases | Cum. Deaths | CFR | Cum. Cases | Cum. Deaths | CFR |
| Brunei Darussalam | 87,908 | 77 | 0.09% | - | - | - | Rabies-free Country | | |
| Cambodia | 887 | - | 0.00% | 20 | 0 | 0.00% | - | - | - |
| Indonesia | 118,363 | 1,454 | 1.23% | 87 | 0 | 0.00% | 78 | 78 | 100% |
| Lao PDR | 1,474 | 87 | 5.90% | 1 | 0 | 0.00% | - | - | - |
| Malaysia | 302,024 | 494 | 0.16% | 10 | 0 | 0.00% | 79 | 79 | 100% |
| Myanmar | 9,656 | 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 | 85,770 | 1,062 | 1.25% | 846 | 10 | 1.20% | 5 | 5 | 100% |
| Viet Nam | 101,828 | 20 | 0.02% | 203 | 8 | 3.98% | 65 | 65 | 100% |
| ASEAN Region | 1,668,762 | 4,979 | 0.30% | 1,243 | 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 | 16,327 | 42 | 0.26% | 339 | 0 | 0% | 4 | 0 | 0% |
| Indonesia | 202,012 | 1,202 | 0.60% | 409,137 | 112 | 0.03% | 1,410 | 0 | 0% |
| Lao PDR | 17,867 | 2 | 0.01% | 18,917 | 11 | 0.06% | 1 | 0 | 0% |
| Malaysia | 112,833 | 104 | 0.09% | 24 | 0 | 0% | 2,806 | 0 | 0% |
| Myanmar | 1,309 | 3 | 0.23% | - | - | - | 30 | 0 | 0% |
| Philippines | 314,785 | 546 | 0.17% | 2 | 0 | 0% | 3,408 | 3 | 0.09% |
| Singapore | 12,947 | 0 | 0.00% | 23 | 0 | 0% | 10 | 0 | 0% |
| Thailand | 94,831 | 75 | 0.08% | 3,849 | 1 | 0.03% | 5,383 | 1 | 0.02% |
| Viet Nam | 100,048 | 16 | 0.02% | 165 | 0 | 0% | 469 | 0 | 0% |
| ASEAN Region | 872,959 | 1,990 | 0.23% | 432,458 | 124 | 0.03% | 13,521 | 4 | 0.03% |