

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

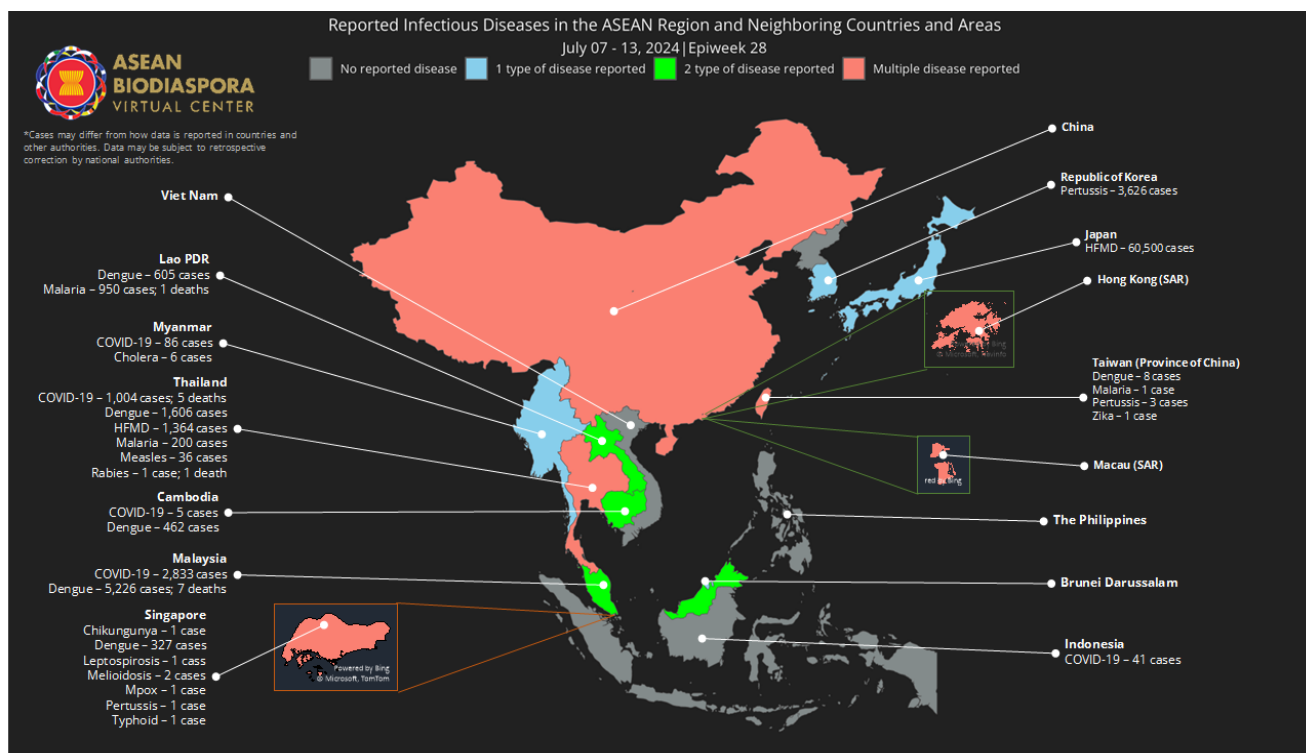
- Goa, India, reported 195 suspected and two confirmed chikungunya cases. Health centres are tackling the disease through source reduction efforts, fever surveillance, and fogging. Additionally, two new Zika cases were confirmed among pregnant women. Meanwhile, malaria continues to be a concern.
- The surge of dengue has been reported in Bangladesh, India, Iran, Italy, and the US.
- Mauritius has reported 56 leptospirosis cases with nine deaths due to comorbidities.
- South Africa and the US reported significant increases of mpox cases.
- Countries around the world (Australia, Canada, France, and South Korea) are dealing with a resurgence of whooping cough (pertussis), prompting health alerts and vaccination efforts.

### ASEAN Region

- Cambodia reported a new human case of avian influenza (H5N1), marking the seventh case nationwide in 2024. The case had been treated and investigated.
- Six people have tested positive for cholera in Yangon, Myanmar, amid diarrhoea outbreaks.
- Bacolod city, Philippines has reported 85.4% decrease of leptospirosis cases between January 1 to June 29, 2024 with seven cases and no death.
- Malaria remains a significant public health issue in Thailand, particularly in 10 provinces along the Thai-Myanmar border. Most patients were infected with *Plasmodium vivax* (93.6%) and *Plasmodium falciparum* (5%).
- Pertussis re-emerges in the central province of Thừa Thiên-Huế, Viet Nam.

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

Epidemiological Week 28 | July 7 – 13, 2024



Source: AMS Official Sources, [Worldometer](#), [WHO](#), [Our World in Data](#), and [Bluedot Platform](#), accessed on July 16, 2024

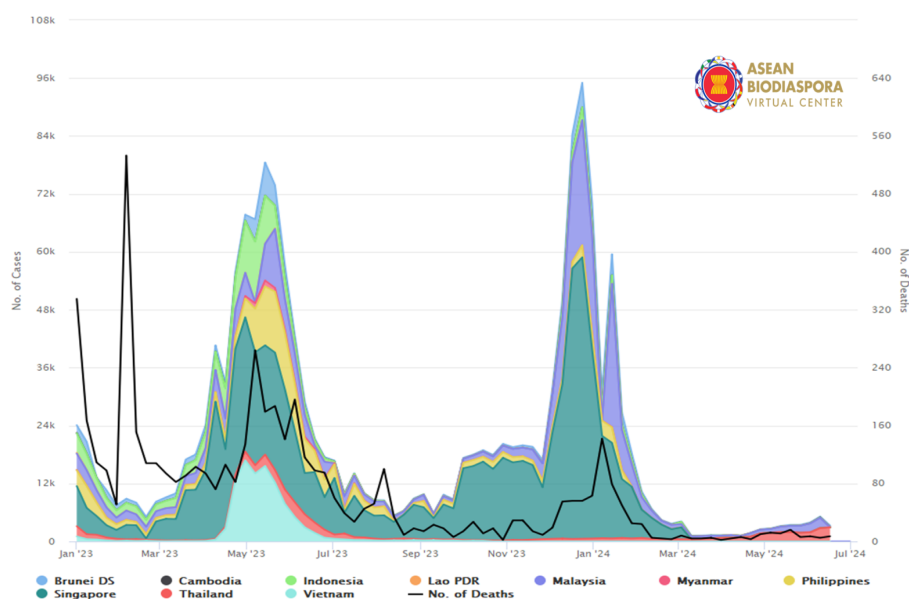
## EMERGING DISEASES

### COVID-19: Highlights and Situation Overview

- As of 13 July 2024 (5PM, GMT+7), there were **704,804,031** confirmed cases **worldwide**, including **7,010,793 deaths**. Globally, Case Fatality Rate (CFR) was **1.00%**.
- 37,048,443 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

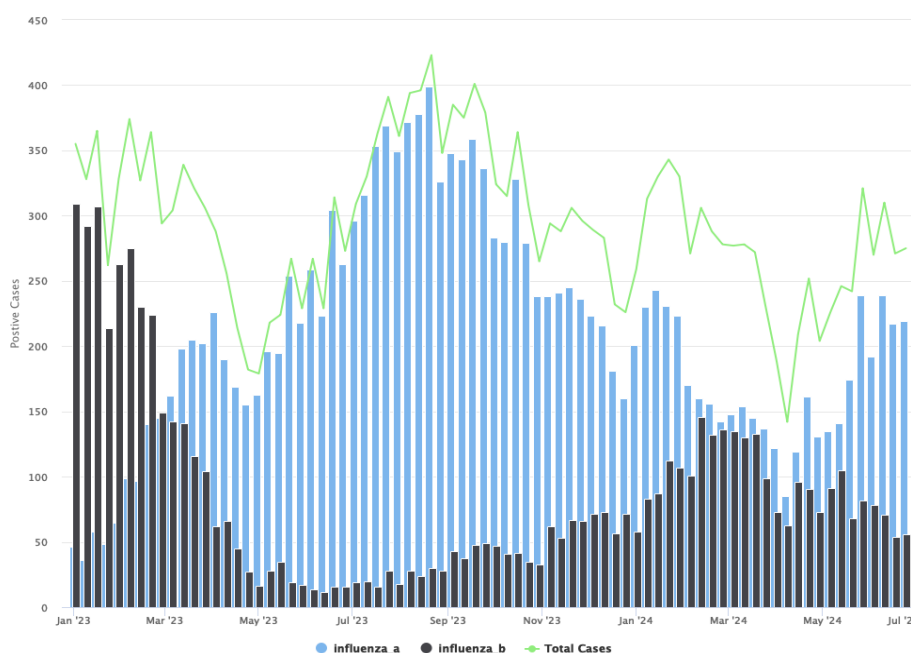
From January 1 to July 13, 2024



Source: [Singapore Government](#), [Worldometer](#), and the [WHO](#), accessed on July 16, 2024

### Trends of Influenza Confirmed Cases in the ASEAN region

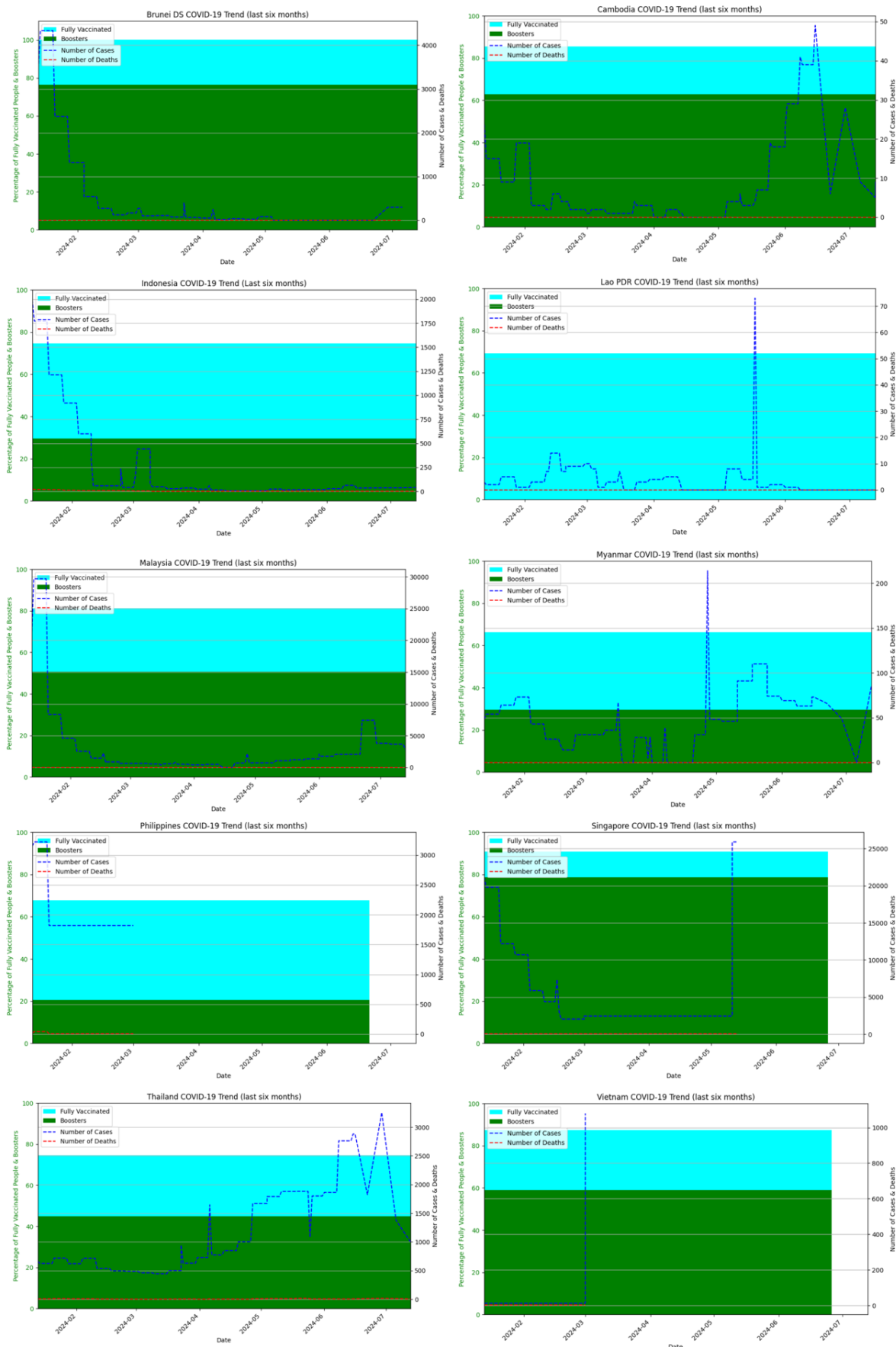
From January 1 to July 13, 2024



Source: FluNet, accessed on July 16, 2024 (<https://www.who.int/tools/fluNet>)

## Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS

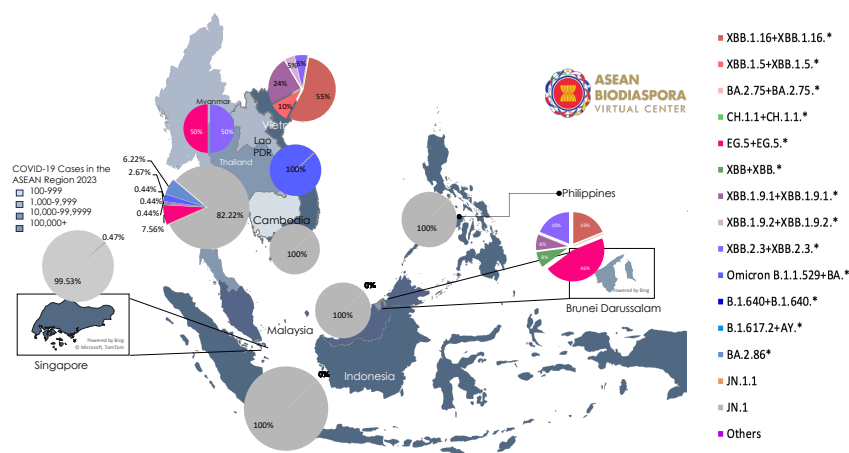
From January 13, 2024 to July 13, 2024



Source: AMS Official Sources, [Worldometer](#), [Our World In Data](#), and [WHO](#), accessed on July 16, 2024

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

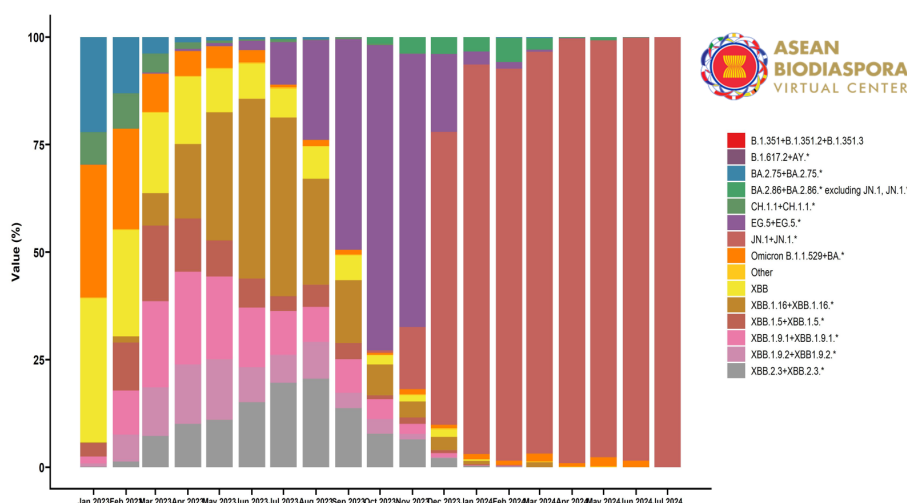
In June 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed July 16, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

## COVID-19 Variants Frequencies in the ASEAN Region

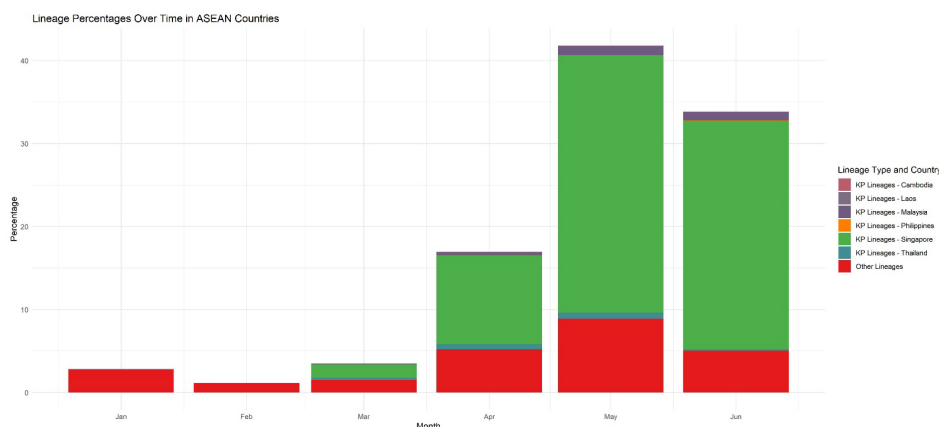
From January 2023 to July 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed July 16, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

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

From January 2024 to June 2024



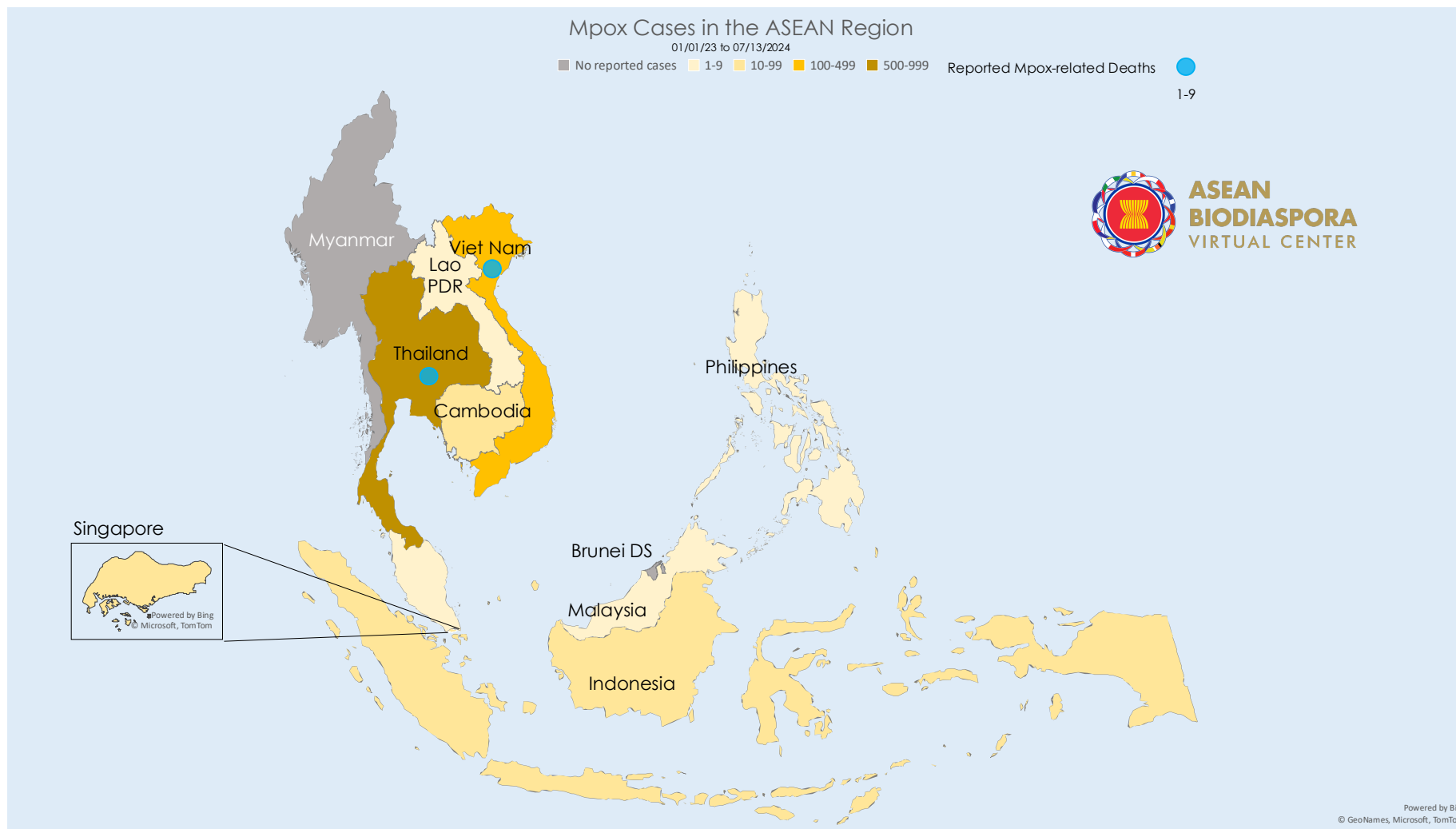
Source: GISAID. "hCoV-19 Variants Dashboard," accessed on July 16, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)





## Mpox Cases Reported in the ASEAN Region

January 1, 2023 – July 13, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. EBS Bluedot (Accessed on July 16, 2024)
3. Ministry of Health Singapore, accessed July 16, 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 13 July 2024, **14,816** confirmed cases worldwide since 2023, including **151** deaths. Globally, the CFR was **1.02%**.
- 1135 confirmed cases** including **18 deaths** in the **ASEAN** region, with a CFR of **1.59%**.
- 13,681 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 Jul. 6, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023- 2024	CFR
<b>Cambodia<sup>1</sup></b>	13	0	0	0.00%
<b>Indonesia<sup>2</sup></b>	88	0	0	0.00%
<b>Lao PDR<sup>1</sup></b>	1	0	0	0.00%
<b>Malaysia<sup>1</sup></b>	9	0	0	0.00%
<b>Philippines<sup>1</sup></b>	5	0	0	0.00%
<b>Singapore<sup>3</sup></b>	42	1	0	0.00%
<b>Thailand<sup>1</sup></b>	783	0	10	1.28%
<b>Viet Nam<sup>1</sup></b>	194	0	8	4.19%
<b>ASEAN Total</b>	<b>1,135</b>	<b>1</b>	<b>18</b>	<b>1.59%</b>

Source:

1. B IBS Bluedot, accessed on July 16, 2024 (<https://portal.bluedot.global>)
2. Ministry of Health Republic of Indonesia, accessed on July 16, 2024 (<https://infeksiemerging.kemkes.go.id/>)
3. Ministry of Health Singapore, accessed on July 16, 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 Jul. 6, 2024)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
<b>United States of America</b>	2,875	0	9	0.34%
<b>People's Republic of China</b>	2,402	0	1	0.04%
<b>Democratic Republic of Congo</b>	1,926	0	10	0.52%
<b>Thailand</b>	783	0	10	1.28%
<b>Brazil</b>	701	0	2	0.29%

Source: Edouard Mathieu, Fiona Spooner, Saloni Dattani, Hannah Ritchie and Max Roser (2022) - "Mpox (monkeypox)". Published online at OurWorldInData.org. Retrieved from: 'https://ourworldindata.org/monkeypox' [Online Resource]

## Mpox cases per region (Jan. 1, 2023 to Jul. 6, 2024)

REGIONS	CUMULATIVE CASES	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
<b>AFRICA</b>	2,184	0	19	0.87%
<b>AMERICAS</b>	5,733	0	89	1.55%
<b>ASEAN</b>	1,135	1	18	1.59%
<b>ASIA &amp; OCEANIA</b>	4,090	0	20	0.49%
<b>EUROPE</b>	1,674	0	5	0.30%
<b>TOTAL</b>	<b>14,816</b>	<b>1</b>	<b>151</b>	<b>1.02%</b>

Source: Our World in Data, accessed on July 16, 2024 (<https://ourworldindata.org/monkeypox>)



## Media Monitoring for Emerging Diseases

*Epidemiological Week 28 | July 7 – 13, 2024*

### **Global Situation for Emerging Diseases**

#### **COVID-19**

- **New Zealand** has reported 2772 new COVID-19 cases and 31 deaths, a decrease from 3657 cases and 40 deaths reported by Te Whatu Ora/Health NZ last week (RNZ News, 2024). Of the new cases, 1,686 were reinfections, and 173 were hospitalized. Te Whatu Ora announced it would end Covid sick leave for health workers from July 14. The Public Service Association, representing 25,000 health workers, argued this could increase Covid transmission in hospitals among ill and vulnerable people. [[Full article](#)]
- The **United States (US)**: Ohio has reported a significant increase in COVID-19 cases, with over 1,000 new cases reported this week (Washington, 2024). This marks the sixth consecutive weekly increase since early June, with dashboards updated weekly. At least 1,377,594 Ohioans have received the updated one-dose COVID-19 vaccine, representing 11.7% of the state's population. The total COVID-19 case count since early 2020 in Ohio has reached 3,760,282. The state has also reported 108 new hospitalizations and three ICU admissions. [[Full article](#)]

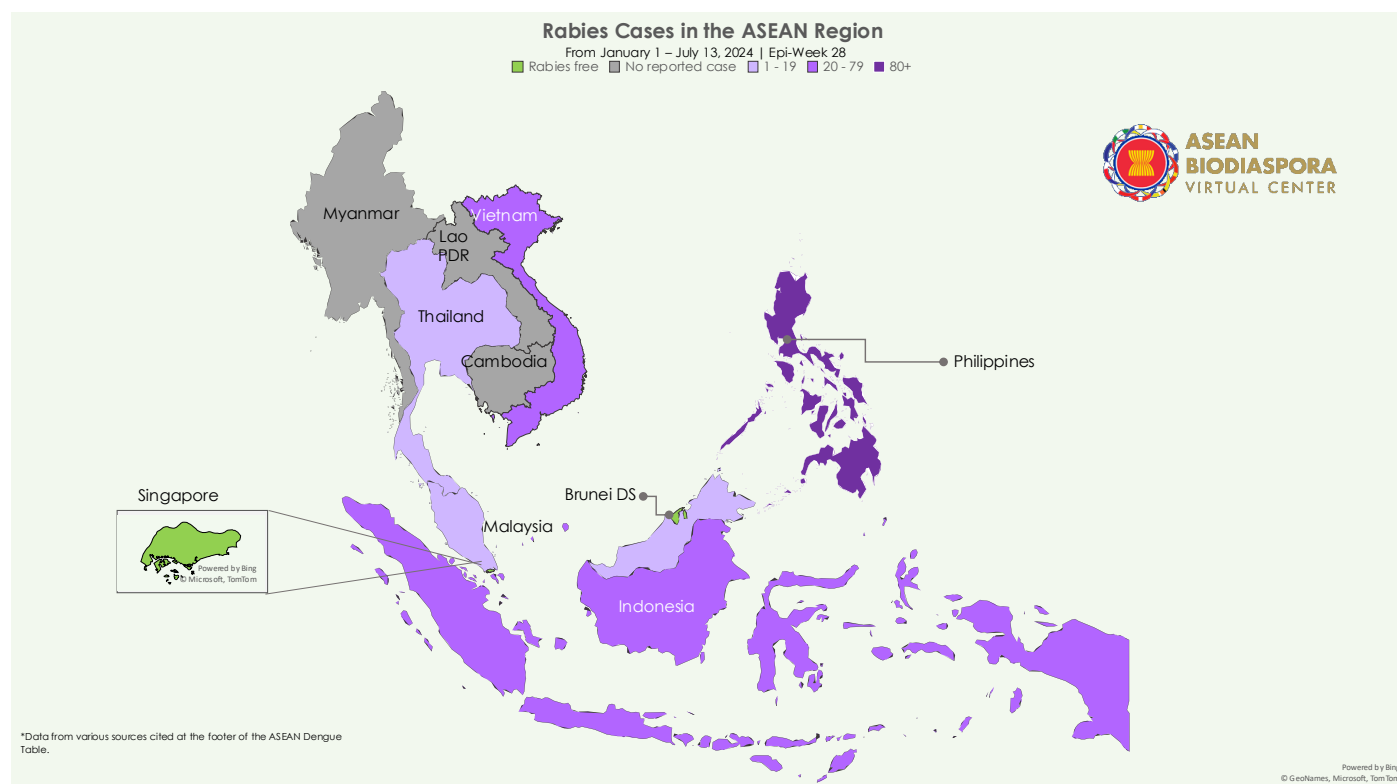
#### **Mpox**

- **South Africa** has reported 20 confirmed mpox cases between May and July 2024, including three deaths, in three provinces (WHO, 2024). These are the first cases since 2022, primarily affecting men aged 17-43, including 11 who identify as men who have sex with men. At least 15 cases involve individuals living with advanced HIV disease and diabetes. Sexual contact is the primary exposure contact. While the overall public health risk is low, vulnerable groups such as gay men, bisexual men, trans and gender-diverse people, and sex workers face a moderate risk. The global outbreak of clade IIb monkeypox virus (MPXV) continues. [[Full article](#)]
- The **United States (US)**: The Connecticut Department of Public Health reported a significant increase in mpox cases this year, with eleven residents diagnosed (Román, 2024). The cases are mainly in Fairfield, New Haven, New London, and Hartford counties, affecting people aged 20-50. The increase is a concern, as mpox is primarily transmitted through close contact with an infected person. [[Full article](#)]

## ZOONOSIS

### Rabies Cases in the ASEAN Region

From January 1 to July 13, 2024 (Epi-Week 28)



### 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 21	37	-	37	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 22	169	-	169	100%
<b>Singapore</b>			Rabies-free country		
<b>Thailand<sup>3</sup></b>	Week 26	1	1	1	100%
<b>Viet Nam<sup>2</sup></b>	Week 24	44	-	44	100%
<b>Total</b>		<b>330</b>	<b>1</b>	<b>330</b>	<b>100%</b>

1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed July 13, 2024 (<https://portal.bluedot.global/>)
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed July 13, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **one** new rabies cases since the previous report. The region reported **330** total cases with **100%** CFR.



## Media Monitoring for Zoonosis

*Epidemiological Week 28 | July 7 – 13, 2024*

### ***Regional Situation for Zoonosis***

#### **Avian Influenza (H5N1)**

- **Cambodia:** A five-year-old girl in Po village, Kirirong district, Takeo province has been confirmed to have contracted H5N1 bird flu, marking the seventh case nationwide from January to July (Vibol, T., 2024). The girl, the cousin of a three-year-old boy who contracted the virus, is receiving mild treatment. The Ministry of Health is investigating suspected cases and providing Tamiflu medication to affected individuals. While the virus primarily spreads between birds, but human transmission can occur through close contact with infected or deceased birds. [[Full article](#)]

## VECTOR-BORNE DISEASES

### Dengue Cases in the ASEAN Region

From January 1 to July 13, 2024 (Epi-Week 28)



### Dengue cases in the ASEAN region

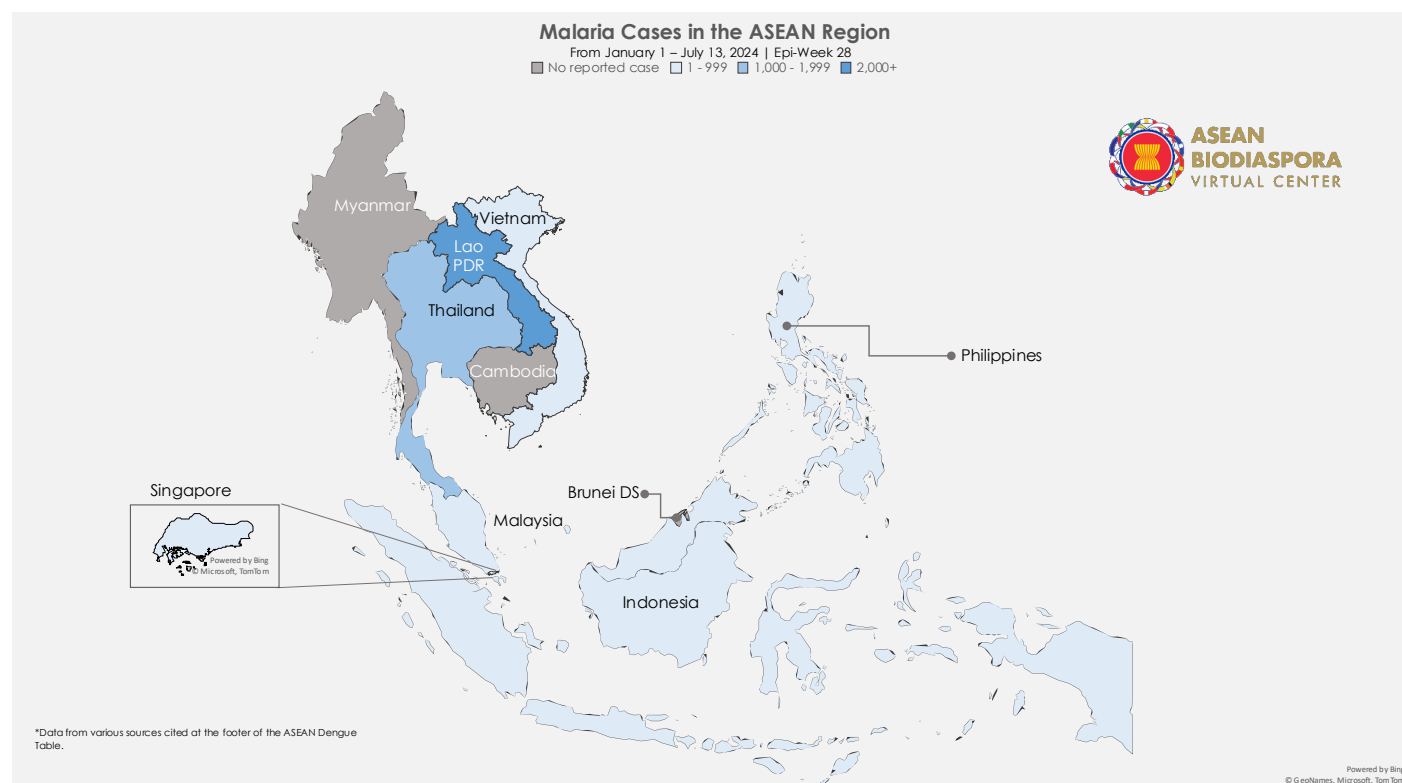
Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
<b>Brunei Darussalam</b>	-	-	-	-	-	-
<b>Cambodia<sup>1</sup></b>	Week 26	6,742	462	23	0	0.34%
<b>Indonesia<sup>2*</sup></b>	Week 21	109,597	-	720	-	0.66%
<b>Lao PDR<sup>1</sup></b>	Week 26	4,945	605	0	0	0.00%
<b>Malaysia<sup>3</sup></b>	Week 26	75,263	5,226	60	7	0.08%
<b>Myanmar<sup>4</sup></b>	Week 27	1,309	-	3	-	0.23%
<b>Philippines<sup>4</sup></b>	Week 27	77,867	-	205	-	0.26%
<b>Singapore<sup>5**</sup></b>	Week 27	9,583	327	0	0	0.00%
<b>Thailand<sup>6***</sup></b>	Week 26	43,035	1,606	37	0	0.09%
<b>Viet Nam<sup>1</sup></b>	Week 24	25,000	-	3	-	0.01%
<b>Total</b>		<b>353,341</b>	<b>8,226</b>	<b>1,051</b>	<b>7</b>	<b>0.30%</b>

1. WHO WPRO, "Dengue," World Health Organization, accessed July 16, 2024 (<https://www.who.int/westernpacific/emergencies/surveillance/dengue>).
  2. Ministry of Health, Republic of Indonesia
  3. Disease Control Division, Ministry of Health Malaysia, accessed July 16, 2024. ([https://www.moh.gov.my/index.php/database\\_stores/store\\_view/17](https://www.moh.gov.my/index.php/database_stores/store_view/17))
  4. Bluedot Developer Portal, accessed July 16, 2024, (<https://developer-portal.bluedot.global/>).
  5. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed July 16, 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 July 16, 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 **8,226** new dengue cases since the previous report. The region reported **353,341** total cases with **0.30%** CFR.

## Malaria Cases in the ASEAN Region

From January 1 to July 13, 2024 (Epi-Week 28)



## 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</b>	-	-	-	-	-
<b>Indonesia<sup>1</sup></b>	Week 14	754	-	7	0.93%
<b>Lao PDR<sup>2</sup></b>	Week 28	6,897	950	6	0.09%
<b>Malaysia<sup>1</sup></b>	Week 10	2	-	0	0.00%
<b>Myanmar<sup>1</sup></b>	-	-	-	-	-
<b>Philippines<sup>1</sup></b>	Week 6	2	-	0	0.00%
<b>Singapore<sup>3</sup></b>	Week 27	10	-	0	0.00%
<b>Thailand<sup>4</sup></b>	Week 26	2,302	200	1	0.04%
<b>Viet Nam<sup>1</sup></b>	Week 11	141	-	0	0.00%
<b>Total</b>		<b>10,108</b>	<b>1,150</b>	<b>14</b>	<b>0.14%</b>

1. Bluedot Platform, accessed July 16, 2024 (<https://portal.bluedot.global/>)
2. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed July 16, 2024 (<https://www.facebook.com/CCEH.MoH.Lao/>)
3. Ministry of Health Singapore, accessed July 16, 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 July 16, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **1,150** new malaria cases since the previous report. The region reported **10,108** total cases with **0.14%** CFR.

## Media Monitoring for Vector-borne Diseases

*Epidemiological Week 28 | July 7 – 13, 2024*

### Global Situation for Vector-borne Diseases

#### Chikungunya

- **India:** The Secretary of Health chaired a meeting of the state committee for vector-borne diseases and the state task force for malaria elimination (Times News Network, 2024). Goa reported chikungunya, with 195 suspected and two confirmed cases. Health centres are tackling the disease through source reduction efforts, fever surveillance, and fogging. [[Full article](#)]

#### Dengue

- **Bangladesh:** Dengue has seen 103 hospitalizations on July 11, with no deaths from the disease (bdnews24.com, 2024). The number of dengue patients hospitalized this year has risen to 4,311, with 47 deaths. The Department of Health reported 315 patients receiving treatment in various hospitals, 153 in Dhaka, and 162 outside Dhaka. Dengue has been a significant issue since 2000, with 321,179 hospital admissions in 2023 and 1,705 deaths reported. [[Full article](#)]
- **India:** West Bengal is experiencing a potential increase in dengue cases during the monsoon season, with over 2,000 affected individuals reported by the first week of July (Fleiss, 2024). The Health Department reports 2,095 cases as of July 4. Malda and Murshidabad districts have the highest numbers, and cases in Durgapur, West Burdwan, are also significantly high. [[Full article](#)]
- **Iran's** Deputy Minister of Health has reported 63 new cases of dengue fever, highlighting it as the country's most critical health issue (Iran International, 2024). Most patients are travelers from Persian Gulf countries, with seven provinces affected. The country is facing a shortage of doctors and nurses due to the economic crisis. [[Full article](#)]
- **Italy:** Piacenza Municipality has arranged an extraordinary disinfestation intervention against mosquitoes in an area including a public garden (Piacenzasera, 2024). The playground will remain temporarily closed to ensure the safety of its visitors. Adulticide treatments were carried out in public areas within a radius of 100 meters from the confirmed case's home between midnight and 6 AM on Thursday, July 18. These treatments will be repeated on Friday, July 19, and Saturday, July 20. [[Full article](#)]
- **The United States (US):** The CDC issued a health advisory on June 25 due to record-breaking dengue case numbers in the Americas, with over 9.7 million cases reported in a single year (Wallace, 2024). Puerto Rico has declared a public health emergency, and a higher-than-expected number of cases were identified among US travelers from January 1 to June 24. The US had 2,559 reported cases this year, with 1,732 locally acquired and 827 travel-associated. The five states with the highest numbers of cases in 2024 are Florida, New York, Massachusetts, New Jersey, and California. Dengue is primarily spread through mosquito bites and is most common in tropical and subtropical areas. [[Full article](#)]

#### Leptospirosis

- **Mauritius:** The Ministry of Health and Welfare has reported 56 leptospirosis cases since January 11, with two hospitalized and nine deaths due to pre-existing comorbidities (Ion, 2024). The cases come from various regions and age groups, with the youngest cured patient being 23 years old. [[Full article](#)]



## Malaria

- **India:** Over the past two weeks, 14 malaria cases have been reported in the city of Ghaziabad, primarily from rural areas, following the onset of monsoon rainfall (Ayantika Pal, 2024). The health department has identified several sensitive areas in both districts prone to the spread of vector-borne diseases, including Dadri, Greater Noida West, Alpha 2, Gaur City, and villages adjacent to these areas. An action plan has been prepared, including allocating 30 beds for malaria patients. [\[Full article\]](#)

## Zika

- **India:** Pune Municipal Corporation (PMC) has identified two more pregnant women with Zika virus infection, raising the total number of cases in the city to 18 (The Indian Express, 2024). The two women tested positive were asymptomatic and had scans negative for any anomaly in the fetus. Since the first Zika virus case was detected, health officials have sent 129 samples from pregnant women to the ICMR-National Institute of Virology. The PMC has collected fines from companies and construction sites where breeding sites have been identified. [\[Full article\]](#)

## Regional Situation for Vector-borne Diseases

### Dengue

- **Indonesia:** Dengue Hemorrhagic Fever (DHF) in Garut District has reached 2,235 cases as of Q2 2024, with 5 deaths (Rudiawan, 2024). The virus is spreading in West Java with 19,000 cases. [\[Full article\]](#)

The Sungai Pinyuh Inpatient Health Center, Mempawah District, treated 19 DHF patients from January-July 2024, with 18 cured and one patient dying (Ardiansyah, 2024). The center implemented fogging or fumigation measures to address the cases, but cautioned against fogging due to its potential air pollution effects. [\[Full article\]](#)

- **Malaysia:** Dengue fever cases increased to 2,788 in the 26th Epidemiological Week (ME26) from June 23 to June 29, with five deaths due to complications (Bernama, 2024). The cumulative number of cases was 75,263, down from 59,057 in 2023. Seventy-eight hotspots were reported, with 61 in Selangor, five in Perak, four in Kedah, three in Negeri Sembilan, two in Kuala Lumpur, and one in Sarawak and Penang. [\[Full article\]](#)
- **Philippines:** The Provincial Health Office (PHO) in Lingayen, Pangasinan Province, has increased its monitoring and Information Education Campaign against dengue to ensure public safety (PIMRO, 2024). From January 1 to July 8, 2024, the PHO recorded 716 dengue cases, a 4% decrease from 2023. PHO has also recorded five dengue deaths this year. Lingayen had the most cases, followed by Bugallon and Mangatarem. Other municipalities and cities on the watchlist include Binmaley, Urbiztondo, Labrador, San Carlos City, Calasiao, Bayambang, and Malasiqui. The PHO has urged the public to follow dengue preventive measures. [\[Full article\]](#)
- **Singapore** recorded 327 dengue cases from June 30 to July 6, bringing the total to 9,583 (Xinhua, 2024). The weekly reported cases resumed after falling under 300 for two consecutive weeks. The National Environment Agency (NEA) warns low immunity to all four dengue virus serotypes. [\[Full article\]](#)



## Leptospirosis

- The **Philippines:** Bacolod City's leptospirosis cases decreased by 85.4% from January 1 to June 29, with seven cases and zero deaths in seven barangays (Beltran, 2024). The barangays reporting cases of leptospirosis are Pahanocoy, Felisa, Alijis, Punta-Taytay, Vista Alegre, Mansilingan, and Mandalagan, each with one case. [[Full article](#)]

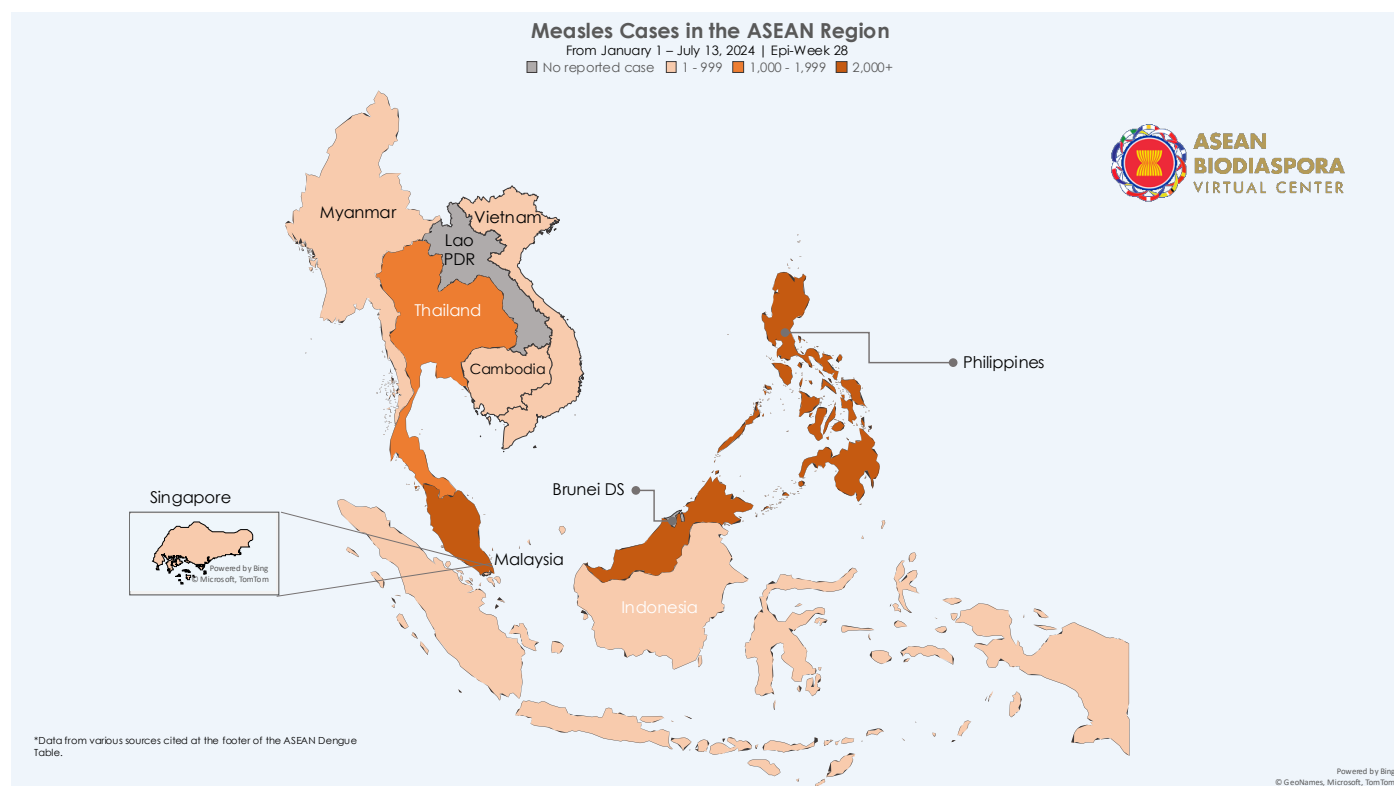
## Malaria

- **Thailand:** Malaria remains a significant public health issue, with 8,999 cases reported in 10 provinces along the Thai-Myanmar border from January to June 2024 (bangkokbiznews, 2024). Most patients were infected with *Plasmodium vivax* (93.6%) and *Plasmodium falciparum* (5%), primarily aged 25-44 working in agriculture and labor. The northern border area had more foreign patients than Thai patients, while the western border area had more Thai patients. However, seven provinces have returned to find new patients, 90% of which are unknown strains. [[Full article](#)]

## VACCINE-PREVENTABLE DISEASES

### Measles Cases in the ASEAN Region

From January 1 to July 13, 2024 (Epi-Week 28)



### 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 18	4	-	0	0%
<b>Indonesia<sup>2</sup></b>	Week 26	1,054	40	0	0%
<b>Lao PDR</b>	-	-	-	-	-
<b>Malaysia<sup>1</sup></b>	Week 24	2,008	-	0	0%
<b>Myanmar<sup>1</sup></b>	Week 22	19	-	0	0%
<b>Philippines<sup>3</sup></b>	Week 24	2,655	-	3	0.11%
<b>Singapore<sup>4</sup></b>	Week 27	8	0	0	0%
<b>Thailand<sup>5</sup></b>	Week 26	1,213	36	0	0%
<b>Viet Nam<sup>3</sup></b>	Week 26	106	-	0	0%
<b>Total</b>		<b>7,067</b>	<b>76</b>	<b>3</b>	<b>0.04%</b>

1. Provisional Measles and Rubella Data, World Health Organization, accessed July 16, 2024 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
2. Ministry of Health, Republic of Indonesia
3. Bluedot Platform, accessed July 16, 2024 (<https://developer-portal.bluedot.global/>)
4. Ministry of Health Singapore, accessed July 16, 2024, (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)
5. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed July 16, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **76** new measles cases since the previous report. The region reported **7,067** total cases with **0.04%** CFR.

## Media Monitoring for Vaccine-Preventable Diseases

*Epidemiological Week 28 | July 7 – 13, 2024*

### Global Situation for Vaccine-Preventable Diseases

#### Measles

- **Pakistan:** Four children, including an infant, have died of measles in Shikarpur, Sindh Province, raising the death toll to 12 in the past two months (Ary News, 2024). The non-vaccination of children has led to a fatal epidemic, with 397 children infected and over 180 children in Shikarpur hospitalized with similar symptoms since January 2024. An anti-measles vaccination program is underway in districts Dadu and Sujawal. Camps have been established in affected areas while the vaccination program continues. [[Full article](#)]
- **Russia:** Two measles outbreaks were identified in Petrozavodsk, with mild cases in a 34-year-old man and three relatives (Karchevtseva, 2024). This year, 15,000 Russian citizens have contracted measles. City polyclinics have implemented anti-epidemic measures, including apartment inspections, early detection of infected individuals, and vaccinations. [[Full article](#)]

#### Pertussis

- **Australia:** The number of whooping cough cases in Australia has risen significantly, with 12,038 cases reported to date (Fenwicke, 2024). The outbreak mainly affects school-age children and teenagers, particularly in the southern New South Wales (NSW) and Australian Capital Territory (ACT). Factors contributing to the surge include vaccination coverage, waning immunity, and reduced exposure during the COVID-19 pandemic. Infants under six months are at the greatest risk of severe disease, hospitalization, and death. The pertussis vaccine is funded for children, adolescents, and pregnant women, and recommended for caregivers of young infants, early childhood educators, healthcare workers, and older adults if their last dose was over 10 years ago. The community is advised to check their vaccination status for whooping cough and flu and consult healthcare professionals for protection options. [[Full article](#)]
- **Canada:** Quebec has seen a surge in whooping cough cases, a highly contagious respiratory infection, surpassing the 6,000 mark this year (Morin-Martel, 2024). The virus, which causes severe coughing, fever, runny nose, and red, watery eyes, can lead to complications such as pneumonia, ear infections, hernias, rib fractures, and seizures. Infants under one year old are especially at risk, with the most severe cases occurring in those under three months. Quebec has recorded 41 hospitalizations due to pertussis in 2024, with no reported deaths. The Estrie and Chaudière-Appalaches regions have seen the most cases, with 810 and 948 cases respectively. [[Full article](#)]
- **France:** Two babies, both one month old, died from whooping cough in the Rouen University Hospital (Linfo.re, 2024). The disease poses a significant threat to children, with 72.5% of those affected being children under 15. Since June 2024, a surge in infections has occurred, with 91 emergency room visits related to the disease. Health authorities are calling for vaccination and collective vigilance, warned that babies under 4 months old are at risk. [[Full article](#)]
- **South Korea:** According to the Korea Disease Control and Prevention Agency on the June 7, the cumulative number of pertussis infections this year as of the June 6 is 6,163 (Na, E.K., 2024). This is 385 times the number of infected people during the same period last year (January 1, 2023 to July 8, 2023), which was 16 people. [[Full article](#)]

## ***Regional Situation for Vaccine-Preventable Diseases***

### **Pertussis**

- **Vietnam:** Quang Ninh Provincial Obstetrics and Pediatrics Hospital has seen 13 cases of children with pertussis, a highly dangerous disease that can cause serious complications and high death rates in children under 3 months old. Most infected children have neither been vaccinated nor received the full dose of the whooping cough vaccine. The disease can be transmitted through direct contact with respiratory secretions, including those from the throat and nasal mucosa. [[Full article](#)]

In the central province of Thừa Thiên-Huế after over ten years, five suspected cases of whooping cough, including two confirmed (VNS, 2024). The health department is working with localities to conduct investigations and send test samples to the Nha Trang Pasteur Institute for confirmatory testing, with the provincial health sector focusing on community and medical facility detection. The infection rate is high in closed spaces like households and schools. [[Full article](#)]



## Media Monitoring for Other Diseases

*Epidemiological Week 28 | July 7 – 13, 2024*

### ***Regional Situation for Other Disease***

#### ***Cholera***

- **Myanmar:** Six people have tested positive for cholera in Yangon, leading to the temporary closure of restaurants in the area (Irrawaddy.com, 2024). Since June 25, diarrhea outbreaks in Yangon have led to 44 hospitalizations, with two severe cases. On July 6, 63 new cases were reported. Health officials are increasing control measures. The Health Ministry warned about hygiene. Cholera, caused by contaminated food or water, causes severe diarrhea and can be fatal. [\[Full article\]](#)





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

Epidemiological Week 28 | From January 1 to July 13, 2024

Infectious Diseases	COVID-19			Mpox			Rabies		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	83,656	77	0.10%	-	-	-	Rabies-free Country		
Cambodia	866	0	0%	13	0	0%	-	-	-
Indonesia	117,834	1,453	1.26%	88	0	0%	37	37	100%
Lao PDR	1,474	87	6.55%	1	0	0%	-	-	-
Malaysia	285,450	494	0.20%	9	0	0%	79	79	100%
Myanmar	9,239	5	0.06%	-	-	-	-	-	-
Philippines	141,371	1,467	1.04%	5	0	0%	169	169	100%
Singapore	819,481	313	0.04%	42	0	0%	Rabies-free Country		
Thailand	77,141	1,016	2.15%	783	10	0.13%	1	1	100%
Viet Nam	101,828	20	0.02%	191	8	4.19%	44	44	100%
<b>ASEAN Region</b>	<b>1,620,728</b>	<b>4,932</b>	<b>0.32%</b>	<b>1,135</b>	<b>18</b>	<b>0.81%</b>	<b>329</b>	<b>329</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	6,742	23	0.34%	-	-	-	4	0	0%
Indonesia	109,597	720	0.66%	754	7	0.93%	1,054	0	0%
Lao PDR	4,945	0	0.00%	6,897	6	0.09%	-	-	-
Malaysia	75,263	60	0.08%	2	0	0%	2,008	0	0%
Myanmar	1,309	3	0.23%	-	-	-	19	0	0%
Philippines	77,867	205	0.26%	2	0	0%	2,655	3	0.11%
Singapore	9,583	0	0.00%	10	0	0%	8	0	0%
Thailand	43,035	37	0.09%	2,302	1	0.04%	1,213	0	0%
Viet Nam	25,000	3	0.01%	141	0	0%	106	0	0%
<b>ASEAN Region</b>	<b>353,341</b>	<b>1,051</b>	<b>0.30%</b>	<b>10,108</b>	<b>14</b>	<b>0.14%</b>	<b>7,067</b>	<b>3</b>	<b>0.04%</b>



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