

ASEAN Biodiaspora Virtual Center

# Morbidity and Mortality Weekly Report Infectious and Emerging Diseases

GLOBAL & ASEAN REGION

July 24, 2024 | MMWR 2024-29  
Epidemiological Week 29



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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)

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## Key Findings

### Global

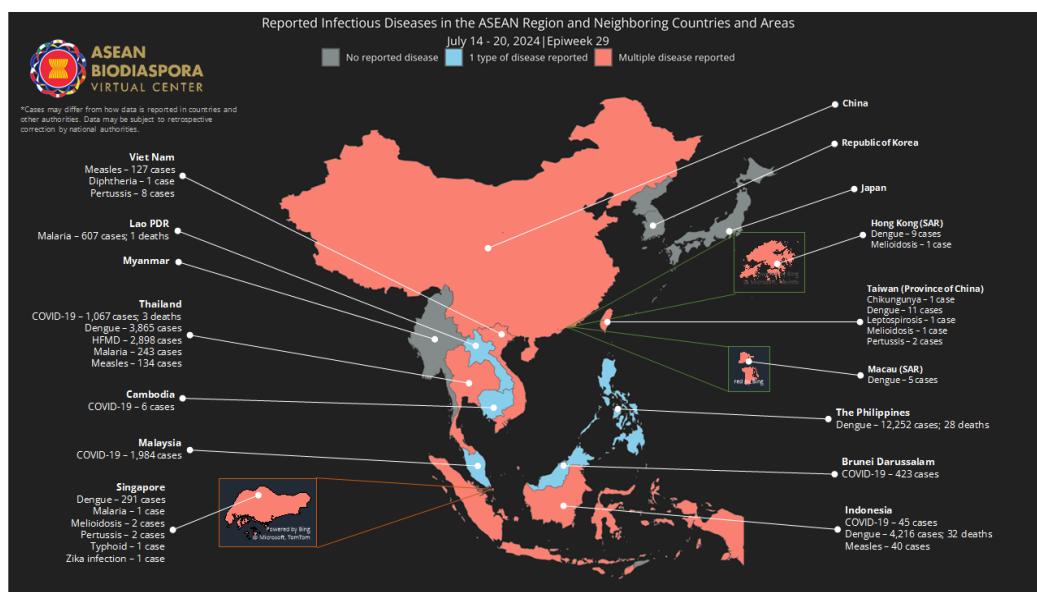
- Five poultry farm workers in Colorado, US, have tested positive for avian influenza (H5N1), bringing the total number of human cases to nine. The virus has infected over 99 million chickens and turkeys since 2022.
- Chikungunya cases in Maharashtra state, India, have more than doubled from January to July this year compared to the same period last year.
- COVID-19 cases are on the rise across the US this summer, with more than a third of cases in the US being from the "FLiRT" variants.
- The surge of dengue has been reported in Hong-Kong, India, Pakistan, and Sri Lanka. Most of cases in Hong-Kong were imported.
- By July, India had recorded an increase in malaria cases over the same period last year.
- Australia health officials have reported 125 confirmed mpox cases since April 1, with Victoria being the most affected.
- The UK has recorded an increase in pertussis cases this year, while Ukraine has seen 21.5 times more pertussis cases compared to the same period last year. Vaccination remains the only effective prevention method.
- South Africa has warned tourists to be extra vigilant around Cape fur seals along a 400-mile stretch of coastline, as nine seals have tested positive for rabies.

### ASEAN Region

- COVID-19 re-emerged in Brunei Darussalam, Cambodia, Indonesia, Malaysia, and Thailand.
- COVID-19 variant "KP" or "FLiRT" has been reported in 7 AMS (Cambodia, Indonesia, Lao PDR, Malaysia, the Philippines, Singapore, and Thailand).
- Dengue remains a significant public health issue in Indonesia, Philippines, Singapore, and Thailand.
- Ilocos, Philippines, reported 79 confirmed cases of hand, foot, and mouth disease from June to July this year. Health officials urged the public to take preventive measures.
- Leptospirosis cases in Melaka, Malaysia, increased to 80, compared to 28 last year.
- Singapore reported case of Zika virus infection.

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

Epidemiological Week 29 | July 14 - 20, 2024



Source: AMS Official Sources, [Worldometer](#), [WHO](#), [Our World in Data](#), and [Bluedot Platform](#), accessed on July 23, 2024

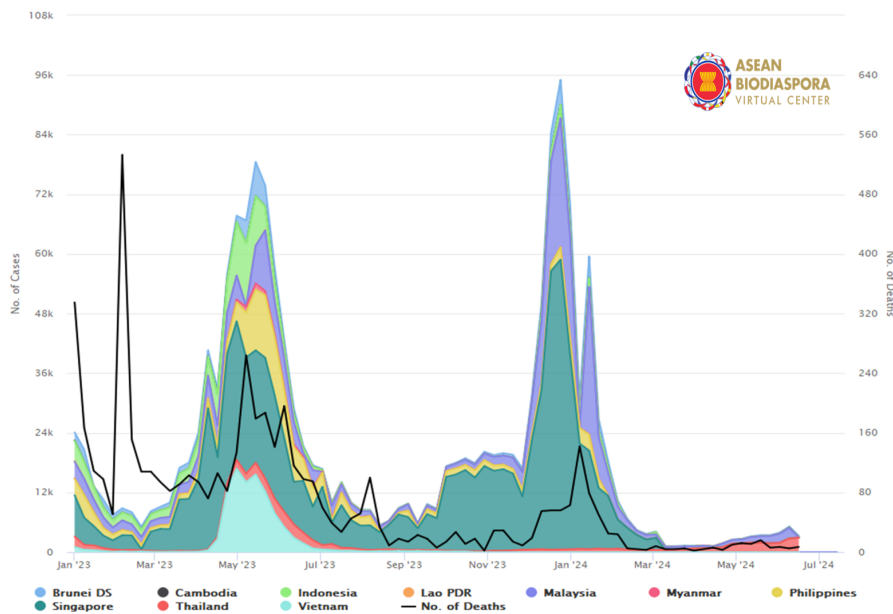
# EMERGING DISEASES

## COVID-19: Highlights and Situation Overview

- As of 20 July 2024 (5PM, GMT+7), there were **704,808,283** confirmed cases **worldwide**, including **7,010,796** deaths. Globally, Case Fatality Rate (CFR) was **1.00%**.
- **37,052,695** 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

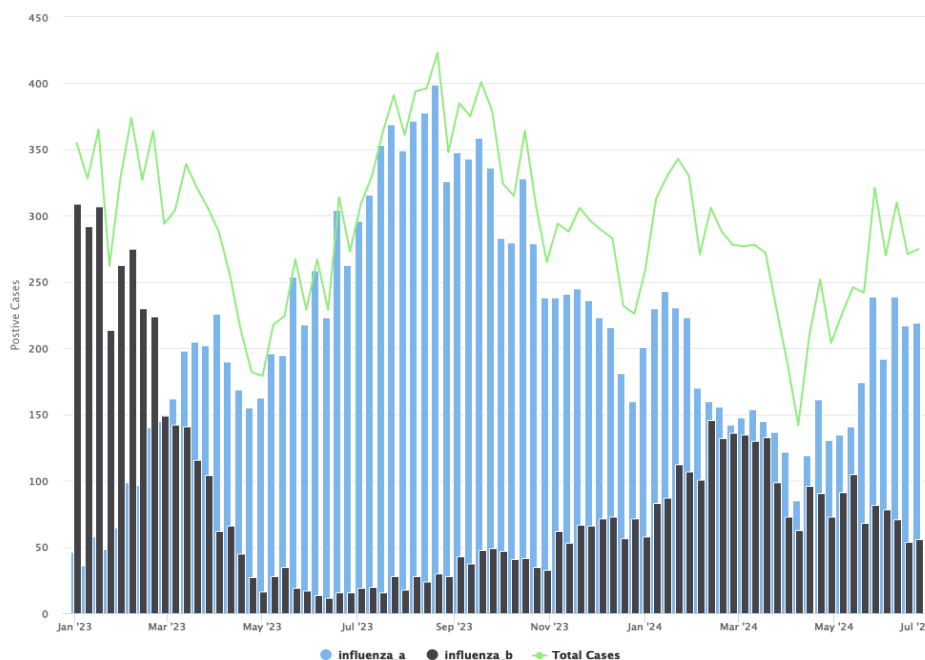
From January 1 to July 20, 2024



Source: [Singapore Government](#), [Worldometer](#), and the [WHO](#), accessed on July 23, 2024

## Trends of Influenza Confirmed Cases in the ASEAN region

From January 1 to July 20, 2024

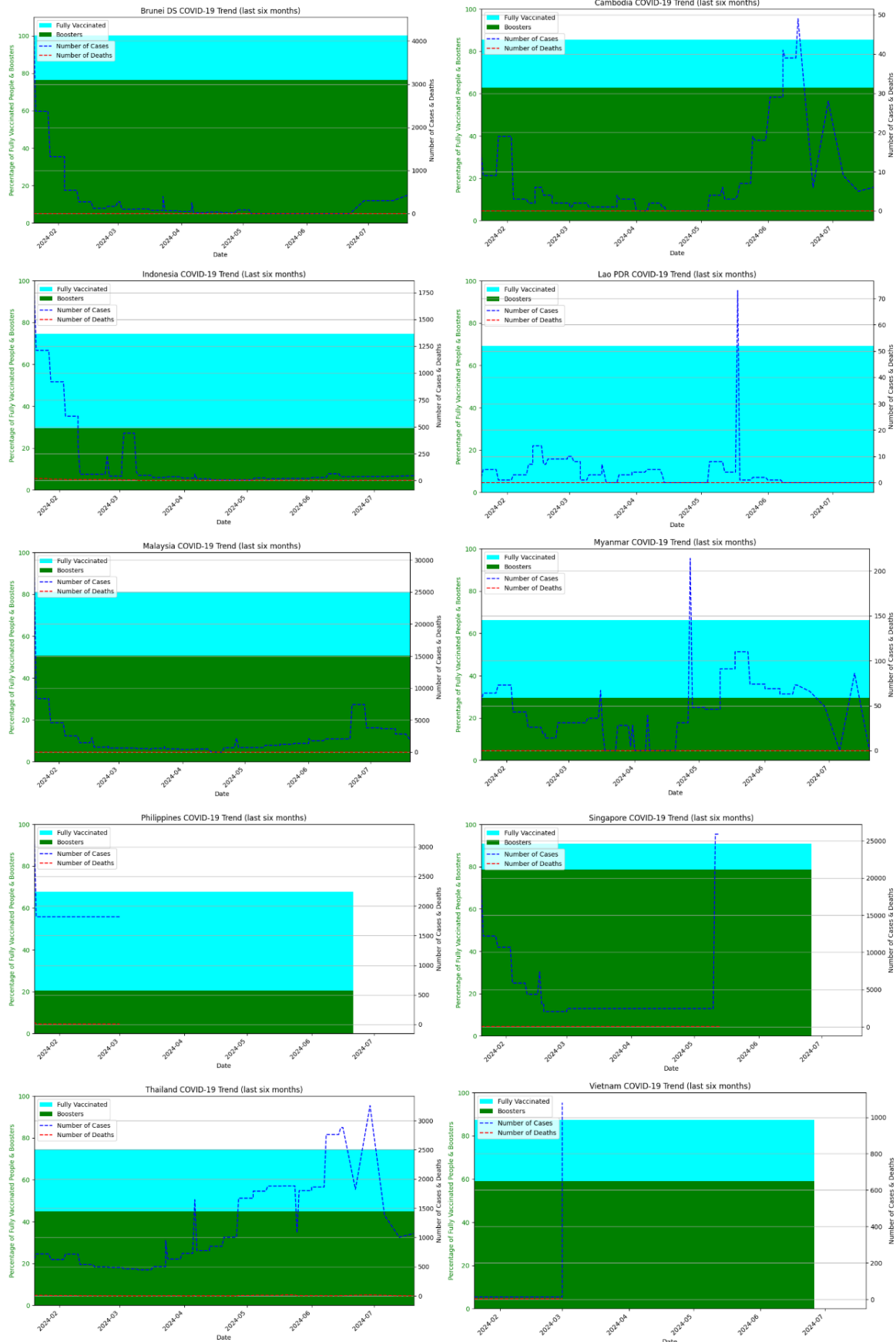


Source: FluNet, accessed on July 23, 2024 (<https://www.who.int/tools/fluNet>)



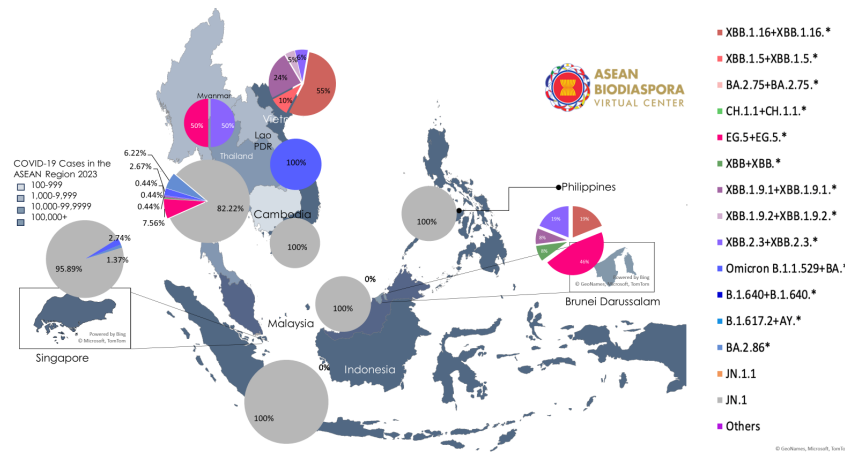
# Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS

From January 13, 2024 to July 20, 2024



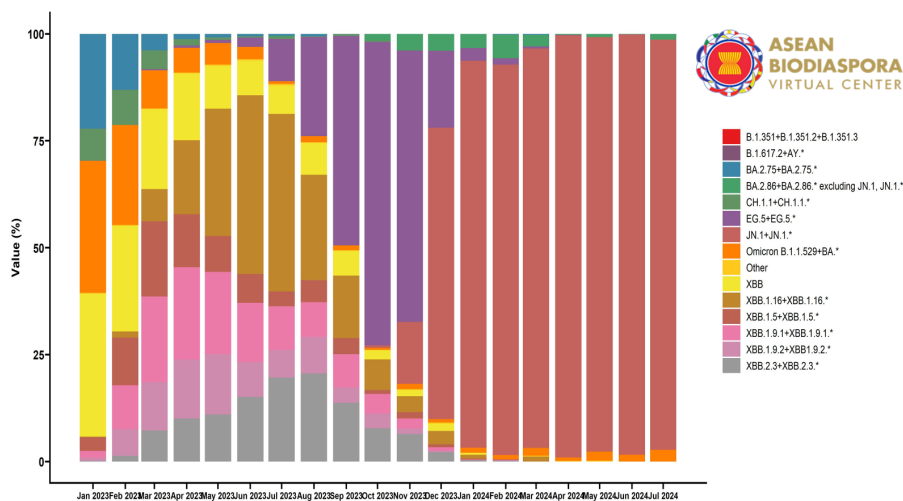
Source: AMS Official Sources, [Worldometer](#), [Our World In Data](#), and [WHO](#), accessed on July 23, 2024

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



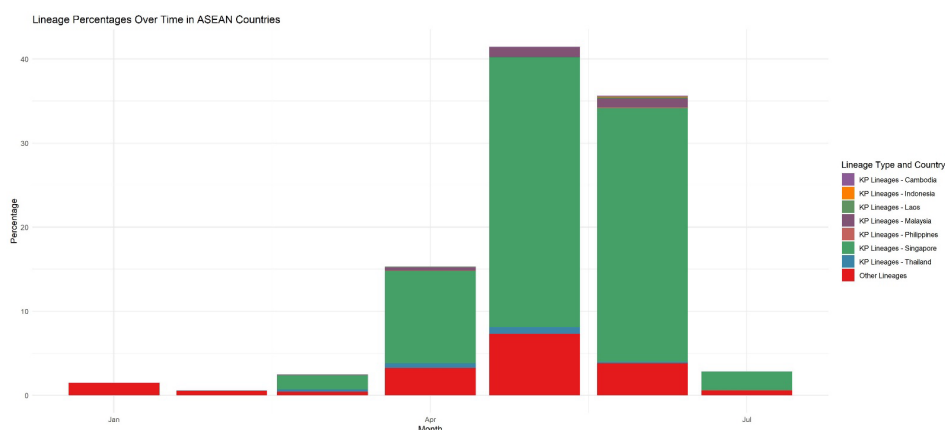
Source: GISAID. "hCoV-19 Variants Dashboard," accessed July 23, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

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



Source: GISAID. "hCoV-19 Variants Dashboard," accessed July 23, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

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



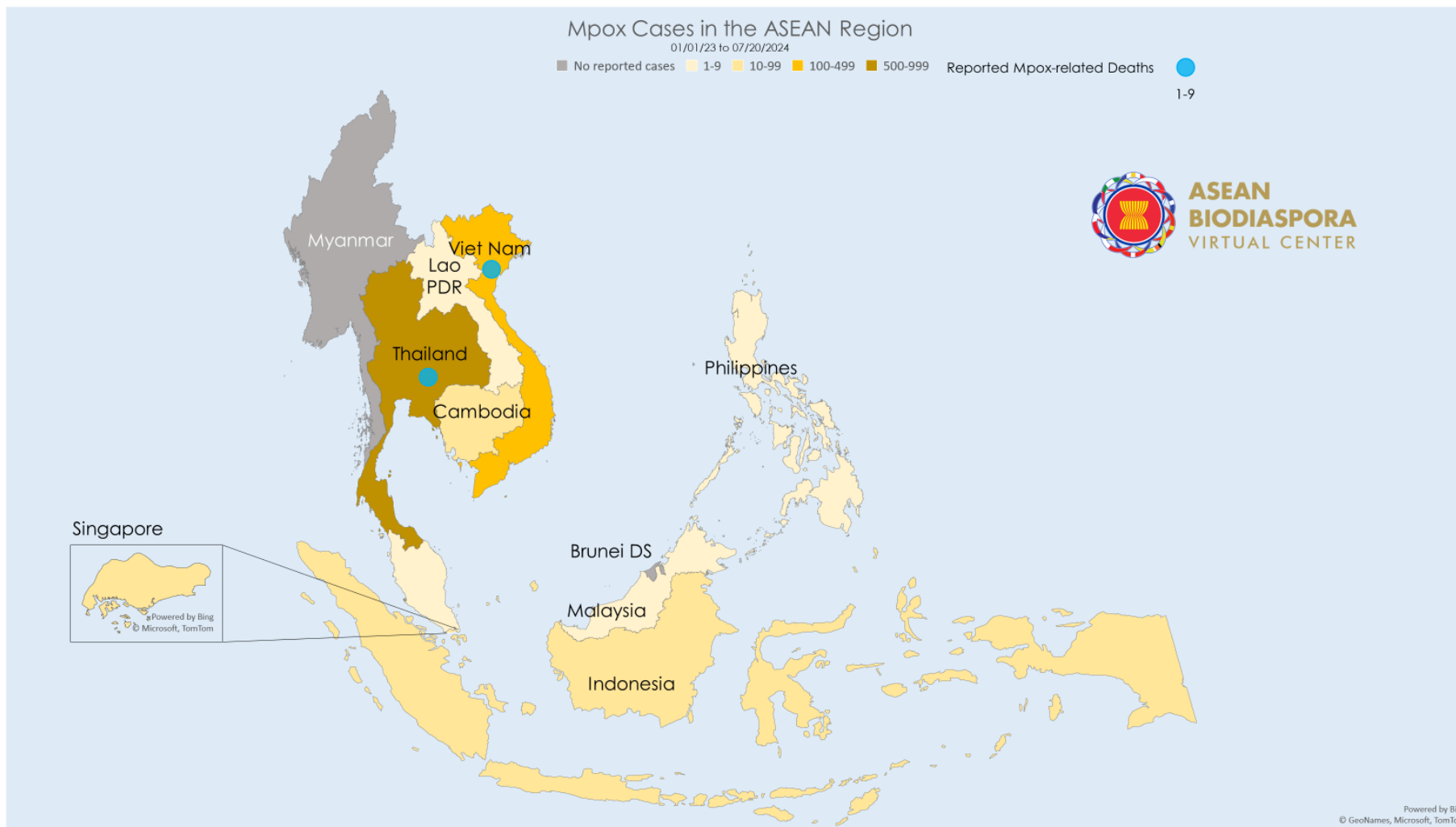
Source: GISAID. "hCoV-19 Variants Dashboard," accessed on July 23, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)





## Mpox Cases Reported in the ASEAN Region

January 1, 2023 – July 20, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. EBS Bluedot (Accessed on July 23, 2024)
3. Ministry of Health Singapore, accessed July 23, 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 20 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. 20, 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                         | 0                               | 0                           | 0.00%        |
| <b>Thailand<sup>1</sup></b>    | 783                        | 0                               | 10                          | 1.28%        |
| <b>Vietnam<sup>1</sup></b>     | 194                        | 0                               | 8                           | 4.19%        |
| <b>ASEAN Total</b>             | <b>1135</b>                | <b>0</b>                        | <b>18</b>                   | <b>1.59%</b> |

Source:

1. B IBS Bluedot, accessed on July 23, 2024 (<https://portal.bluedot.global>)
2. Ministry of Health Republic of Indonesia, accessed on July 23, 2024 (<https://infeksiemerging.kemkes.go.id/>)
3. Ministry of Health Singapore, accessed on July 23, 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. 20, 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. 20, 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            | 0                                   | 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>0</b>                            | <b>151</b>        | <b>1.02%</b> |

Source: Our World in Data, accessed on July 23, 2024 (<https://ourworldindata.org/monkeypox>)





## Media Monitoring for Emerging Diseases

Epidemiological Week 29 | July 14 – 20, 2024

### Global Situation for Emerging Diseases

#### COVID-19

- The **United States (US)**: COVID-19 cases are on the rise across the US this summer, with more than a third of cases in the US being from the "FLiRT" variants (Coleman, 2024). The CDC states that there is no evidence of increased severity of illness associated with these variants. The Division Chief of Pediatric Infectious Diseases at Le Bonheur Children's Hospital, advises people to stay home, stay away from others, and test themselves for COVID if they are sick. The Shelby County Health Department's latest COVID-19 Weekly Status Report shows 263 new cases were reported last week. [[Full article](#)]

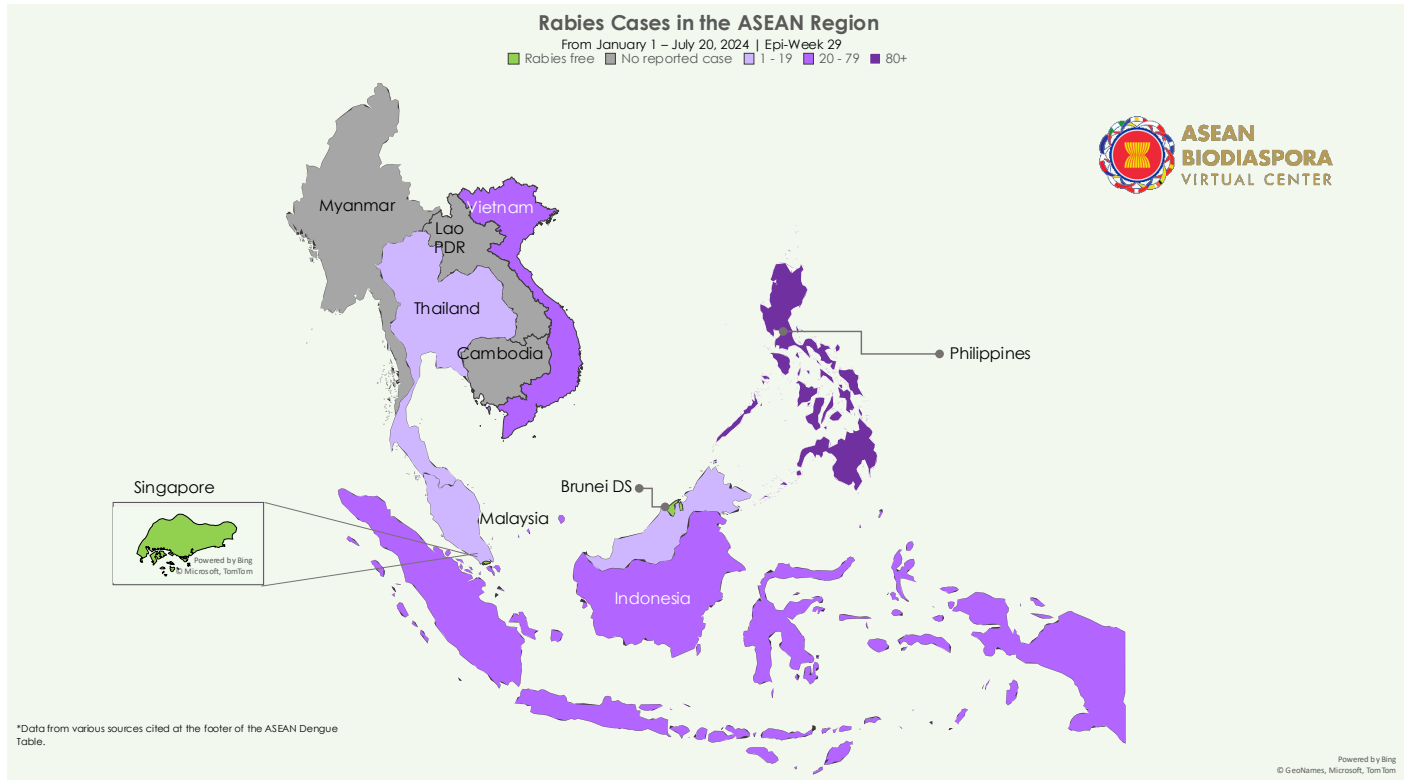
#### Mpox

- **Australia** health officials have reported 125 confirmed mpox cases since April 1, with Victoria being the most affected (Crisis24, 2024). Health officials urge individuals with symptoms to seek medical care and testing. Free mpox vaccines are available for eligible people. Disease surveillance and contact tracing may identify additional cases in the coming weeks. [[Full article](#)]
- **South Africa**: A grade one pupil in Iketleng Primary School in Hammanskraal has tested positive for mpox, a viral infection (TimesLIVE, 2024). The Gauteng education department has initiated containment protocols to prevent further spread. The child was diagnosed after visiting relatives in Boplaas and displaying symptoms of mpox. The department of education and the Gauteng health department have collaborated to provide health education and screening. The risk to the broader school community remains low, but parents are encouraged to practice good hygiene and avoid close contact with unwell individuals. [[Full article](#)]

# ZOONOSIS

## Rabies Cases in the ASEAN Region

From January 1 to July 20, 2024 (Epi-Week 29)



## 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 27           | 1                       | 0                               | 1                 | 100%        |
| <b>Viet Nam<sup>2</sup></b>    | Week 24           | 44                      | -                               | 44                | 100%        |
| <b>Total</b>                   |                   | <b>330</b>              | <b>0</b>                        | <b>330</b>        | <b>100%</b> |

1. Ministry of Health, Republic of Indonesia  
 2. Bluedot Platform, accessed July 23, 2024 (<https://portal.bluedot.global/>)  
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed July 23, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **NO** new rabies cases since the previous report. The region reported **330** total cases with **100%** CFR.



## Media Monitoring for Zoonosis

Epidemiological Week 29 | July 14 – 20, 2024

### Global Situation for Zoonosis

#### Avian Influenza (H5N1)

- The **United States (US)**: Five poultry farm workers in Colorado have tested positive for the bird flu, raising the number of U.S cases to nine (UNMC, 2024). The virus has infected over 99 million chickens and turkeys since early 2022, with the federal government compensating farmers over 1 billion USD for destroying infected flocks and eggs. [[Full article](#)]

#### Rabies

- **Pakistan**: Dog-bite cases in Pakistan have increased due to extreme hot weather, with over 10 cases reported weekly in the twin cities of Islamabad and Rawalpindi. Experts advise avoiding contact with stray dogs, as the risk of rabies among them may increase. Rabies, a deadly disease, is transmitted through contact with infected animals' saliva. [[Full article](#)]
- **South Africa**: Tourists are being warned to be extra vigilant around Cape fur seals in a 400-mile stretch of coastline off South Africa, as nine have tested positive for rabies, a deadly virus if passed onto humans (Griffin, 2024). The city of Cape Town has issued warnings urging people to avoid contact with seals and to keep pets away from them. The National Institute for Communicable Diseases recommends post-exposure prophylaxis for those bitten. [[Full article](#)]

# VECTOR-BORNE DISEASES

## Dengue Cases in the ASEAN Region

From January 1 to July 20, 2024 (Epi-Week 29)



## 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                   | -                                   | 23                | -          | 0.34%        |
| <b>Indonesia<sup>2*</sup></b>  | Week 27           | 154,082                 | 4,216                               | 916               | 32         | 0.59%        |
| <b>Lao PDR<sup>1</sup></b>     | Week 26           | 4,945                   | -                                   | -                 | -          | 0.00%        |
| <b>Malaysia<sup>3</sup></b>    | Week 26           | 75,263                  | -                                   | 60                | -          | 0.08%        |
| <b>Myanmar<sup>4</sup></b>     | Week 27           | 1,309                   | -                                   | 3                 | -          | 0.23%        |
| <b>Philippines<sup>4</sup></b> | Week 29           | 90,119                  | 12,252                              | 233               | 28         | 0.26%        |
| <b>Singapore<sup>5**</sup></b> | Week 28           | 9,874                   | 291                                 | -                 | -          | 0.00%        |
| <b>Thailand<sup>6***</sup></b> | Week 27           | 46,900                  | 3,865                               | 37                | -          | 0.08%        |
| <b>Viet Nam<sup>1</sup></b>    | Week 24           | 25,000                  | -                                   | 3                 | -          | 0.01%        |
| <b>Total</b>                   |                   | <b>414,234</b>          | <b>20,624</b>                       | <b>1,275</b>      | <b>60</b>  | <b>0.31%</b> |

1. WHO WPRO, "Dengue," World Health Organization, accessed July 23, 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 23, 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 23, 2024, (<https://developer-portal.bluedot.global/>).  
 5. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed July 23, 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 23, 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 **20,624** new dengue cases since the previous report. The region reported **414,234** total cases with **0.31%** CFR.

## Malaria Cases in the ASEAN Region

From January 1 to July 20, 2024 (Epi-Week 29)



## Malaria cases in the ASEAN region

| Country                  | Epi-Week Reported | Cumulative Malaria Cases | New Cases Since the Previous Report | Cumulative Deaths | CFR          |
|--------------------------|-------------------|--------------------------|-------------------------------------|-------------------|--------------|
| Brunei Darussalam        | -                 | -                        | -                                   | -                 | -            |
| Cambodia                 | -                 | -                        | -                                   | -                 | -            |
| Indonesia <sup>1</sup>   | Week 14           | 754                      | -                                   | 7                 | 0.93%        |
| Lao PDR <sup>2</sup>     | Week 29           | 7,504                    | 607                                 | 6                 | 0.08%        |
| Malaysia <sup>1</sup>    | Week 10           | 2                        | -                                   | 0                 | 0.00%        |
| Myanmar <sup>1</sup>     | -                 | -                        | -                                   | -                 | -            |
| Philippines <sup>1</sup> | Week 6            | 2                        | -                                   | 0                 | 0.00%        |
| Singapore <sup>3</sup>   | Week 28           | 11                       | 1                                   | 0                 | 0.00%        |
| Thailand <sup>4</sup>    | Week 27           | 2,545                    | 243                                 | 1                 | 0.04%        |
| Viet Nam <sup>1</sup>    | Week 11           | 141                      | -                                   | 0                 | 0.00%        |
| <b>Total</b>             |                   | <b>10,959</b>            | <b>851</b>                          | <b>14</b>         | <b>0.13%</b> |

1. Bluedot Platform, accessed July 23, 2024 (<https://portal.bluedot.global/>)
2. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed July 23, 2024 (<https://www.facebook.com/CCEH.MoH.Lao/>)
3. Ministry of Health Singapore, accessed July 23, 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 23, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **851** new malaria cases since the previous report. The region reported **10,959** total cases with **0.13%** CFR.



## Media Monitoring for Vector-borne Diseases

Epidemiological Week 29 | July 14 – 20, 2024

### Global Situation for Vector-borne Diseases

#### Chikungunya

- **India:** Chikungunya cases in Maharashtra state have more than doubled from January to July this year, with 875 cases compared to 363 in the corresponding period last year, according to state health department data (Mascarenhas, 2024). Pune leads the state with the highest number of chikungunya cases this season with 83 cases, followed by 82 in Kolhapur, 57 in Akola, and 55 in Sangli-Miraj. The state has reported a triple whammy this season with dengue, chikungunya, and zika virus infections, with complications of chikungunya including severe bone pain and encephalitis. [[Full article](#)]

#### Dengue

- **Hong-Kong:** The Centre for Health Protection (CHP) reported 37 Dengue fever cases in Hong Kong, with 34 imported and three local cases (news.gov.hk, 2024). Most imported cases visited tourist spots in Southeast Asia during the incubation period. The CHP has conducted active case finding and medical surveillance for the three local cases. The Food and Environmental Hygiene Department (FEHD) has conducted vector mosquito investigations and targeted mosquito control operations. [[Full article](#)]
- **India:** Dengue fever cases in Tamil Nadu have surged due to intensifying South West Monsoon, with 568 affected in the last 7 days (Daily Thanthi, 2024). The officials are prompting local bodies and doctors to implement preventive measures. [[Full article](#)]

In Karnataka state, reported 10,449 dengue cases this year, with 487 reported in July 16, 2024 (Udayavani, 2024). Out of these, 358 are active cases, with eight fatalities. Health Minister urged people to be extra vigilant for the next two months until the end of the monsoon season. [[Full article](#)]

- **Pakistan:** Pakistan health authorities have intensified their campaign against dengue fever after detecting five cases, including four in the same house in Peshawar's Gul Bahar locality (Fundación iO, 2024). The province is endemic for the virus, with no recorded deaths in 2023. The number of infections in the province was 747, the lowest recorded by any province in the country. The country has been experiencing a dengue epidemic since 2010, with the first confirmed outbreak in 1994. [[Full article](#)]
- **Sri Lanka** has reported over 30,000 dengue cases this year, with 12 fatalities, according to the National Dengue Control Unit (Huaxia, 2024). The Western, Northern, Central, and Sabaragamuwa provinces are the most affected. [[Full article](#)]

#### Malaria

- **India** recorded 5,300 cases of malaria from January to July this year with three deaths, compared to 4,867 cases with two deaths in the corresponding period last year (Mascarenhas, 2024). Parents should be vigilant for symptoms in children and take simple measures to combat the disease, such as removing stagnant water, using mosquito repellents, and ensuring protective clothing. [[Full article](#)]





## Zika

- **India:** Pune is experiencing local transmission of zika virus infection, according to experts from the India Council of Medical Research (ICMR)-National Institute of Epidemiology (NIE) (Pathare, V., 2024). The situation is different from Jaipur, Ahmedabad, and Kerala, with cases being sporadic. The first zika virus infection case in Maharashtra was reported in July 2021, with 28 cases reported this year, including 24 from Pune city, two from Pune rural areas, and one from Sangamner and Kolhapur. [[Full article](#)]

## Regional Situation for Vector-borne Diseases

### Dengue

- **Indonesia:** Dengue hemorrhagic fever (DHF) cases in Bandung City have begun to decline from January to June, attributed to weather problems (Burhanudin, 2024). The Head of the Infectious Disease Prevention and Control Team, urged the public to remain alert to the dry season and continue Mosquito Nest Eradication program to prevent dengue fever during the rainy season. Despite the highest dengue fever cases in Indonesia, the case fatality rate is only 0.3%, and efforts are being made intensively. The majority of affected children are aged 5-10 years, who usually get cases at home. [[Full article](#)]

In Purworejo District DHF cases have reached 1,748 residents since January 2024, with six of them dying (Redaksi, 2024). This week alone, a total of with 68 new cases were reported. The government is intensifying prevention and eradication efforts. [[Full article](#)]

- The **Philippines** has recorded 233 dengue deaths from January to June this year, with 90,119 cases recorded, 19% higher than last year (Bernama, 2024). Seven out of 17 regions have seen an increase in dengue cases. The rise is expected due to increased rainfall, causing more water to pool and stagnate, allowing mosquitoes to breed. [[Full article](#)]
- **Viet Nam:** The Department of Health reports that by early July 2024, the province had 1,456 cases and 115 outbreaks of dengue fever, a decrease from the previous year (Anh, 2024). [[Full article](#)]

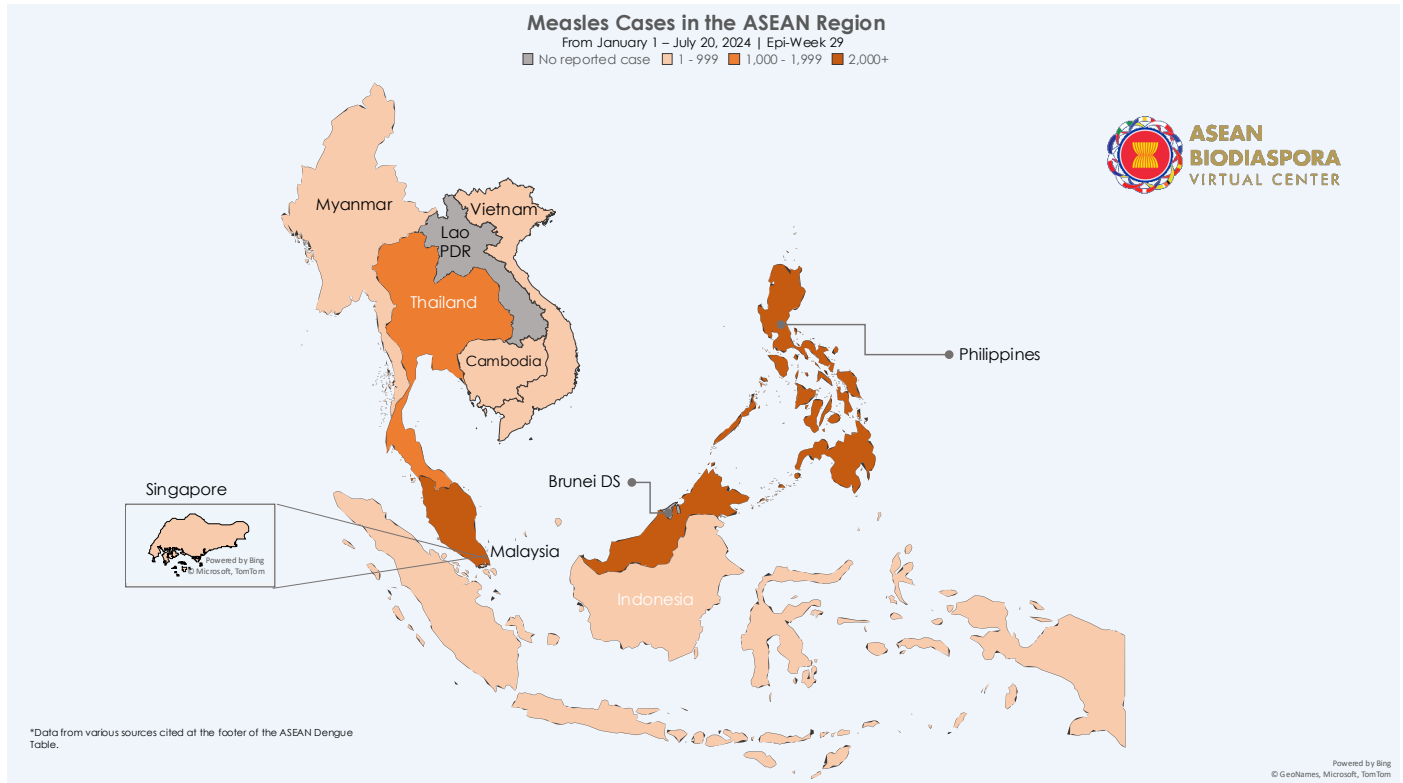
### Leptospirosis

- **Malaysia:** Leptospirosis cases in Melaka increased to 80 between January 1 and July 6, compared to 28 last year (Bernama, 2024). The increase was due to the outbreak at three recreational centers. The state government, through the Melaka Health Department, will organize short courses on zoonotic disease management for employees of recreation centers. [[Full article](#)]

# VACCINE-PREVENTABLE DISEASES

## Measles Cases in the ASEAN Region

From January 1 to July 20, 2024 (Epi-Week 29)



## 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 <sup>1</sup>    | Week 18           | 4                        | -                                   | 0                 | 0%           |
| Indonesia <sup>2</sup>   | Week 26           | 1,054                    | -                                   | 0                 | 0%           |
| Lao PDR                  | -                 | -                        | -                                   | -                 | -            |
| Malaysia <sup>1</sup>    | Week 24           | 2,008                    | -                                   | 0                 | 0%           |
| Myanmar <sup>1</sup>     | Week 22           | 19                       | -                                   | 0                 | 0%           |
| Philippines <sup>3</sup> | Week 24           | 2,655                    | -                                   | 3                 | 0.11%        |
| Singapore <sup>4</sup>   | Week 27           | 8                        | 0                                   | 0                 | 0%           |
| Thailand <sup>5</sup>    | Week 26           | 1,347                    | 134                                 | 0                 | 0%           |
| Viet Nam <sup>3</sup>    | Week 26           | 233                      | 127                                 | 0                 | 0%           |
| <b>Total</b>             |                   | <b>7,328</b>             | <b>261</b>                          | <b>3</b>          | <b>0.04%</b> |

- Provisional Measles and Rubella Data, World Health Organization, accessed July 23, 2024 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed July 23, 2024 (<https://developer-portal.bluedot.global/>)
- Ministry of Health Singapore, accessed July 23, 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 July 23, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **261** new measles cases since the previous report. The region reported **7,328** total cases with **0.04%** CFR.



## Media Monitoring for Vaccine-Preventable Diseases

Epidemiological Week 29 | July 14 – 20, 2024

### Global Situation for Vaccine-Preventable Diseases

#### Measles

- **Canada:** Montreal has confirmed two new measles cases in the last month, with the most recent case involving travellers at Trudeau International Airport (Rubertucci, A., 2024). The infected person may have come into contact with others. Another case was from a traveler who caught measles during a trip to Africa. Montreal Public Health declared the end of an outbreak last month. [[Full article](#)]
- **Poland:** From January to mid-July 2024, there are 232 children in Poland fell ill with measles, a 10-fold increase from 2023 (TASS, 2024). Despite universal vaccinations, population immunity to measles has been lost, according to UNICEF head Renata Bem. In 2020, as many as 91% of Polish children received the first measles vaccination, while 77% received the second. Confidence in vaccinations is falling globally. [[Full article](#)]
- The **United States (US):** Marion County Public Health has confirmed a fourth measles case in the county, with an unvaccinated child diagnosed on July 16 (Lugo, D., 2024). This marks the fourth measles case in Marion County since June 17. There were no known public exposure or connections between the other three cases. The disease spreads through the air when an infected individual coughs or sneezes. The Oregon Health Authority confirmed two other cases in June. [[Full article](#)]

#### Pertussis

- **Ukraine:** In 2024, the incidence of whooping cough in Ukraine increased by 21.5 times compared to the same period last year, with the possibility of increasing future cases (High Castle, 2024). This surge is attributed to the periodicity of outbreaks every 3-5 years, short-term immune protection against whooping cough, and decreased vaccination levels during the COVID-19 pandemic and Russian invasion. The Lviv region has recorded 459 cases of whooping cough since 2024, with most cases in Lviv, Zolochiv, and Stryi districts. While the European Union recommends an incidence rate of 1 per 100,000 population, Lviv Oblast currently has an incidence rate of over 5 per 100,000 population. Vaccination remains the only effective prevention method, particularly for infants under 2 months of age, who are at the greatest risk. [[Full article](#)]
- The **United Kingdom (UK):** A baby in Scotland died from whooping cough, with infection rates reaching over 5,000 in 2024, according to Public Health Scotland (Anderson, J., 2024). The health watchdog also confirmed one death in an infant under one year. [[Full article](#)]



## Media Monitoring for Other Diseases

*Epidemiological Week 29 | July 14 - 20, 2024*

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

#### **Hand, Foot, and Mouth Disease**

- **Philippines:** The Department of Health Region 1 in Ilocos reported 79 confirmed cases of hand, foot, and mouth disease from June to July this year (Maria Health, 2024). At least 23 cases were from children in Dagupan City, Pangasinan. The disease is highly contagious and can be spread through saliva and direct skin contact. To reduce the risk of contracting it, the public should wash their hands thoroughly with soap and water, disinfect dirty items with alcohol, and avoid contact with infected people. [[Full article](#)]



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

Epidemiological Week 29 | From January 1 to July 20, 2024

| Infectious Diseases | COVID-19         |              |              | Mpox         |             |              | Rabies              |             |             |
|---------------------|------------------|--------------|--------------|--------------|-------------|--------------|---------------------|-------------|-------------|
|                     | Cum. Cases       | Cum. Deaths  | CFR          | Cum. Cases   | Cum. Deaths | CFR          | Cum. Cases          | Cum. Deaths | CFR         |
| Brunei Darussalam   | 84,806           | 77           | 0.10%        | -            | -           | -            | Rabies-free Country |             |             |
| Cambodia            | 872              | 0            | 0%           | 13           | 0           | 0%           | -                   | -           | -           |
| Indonesia           | 117,879          | 1,453        | 1.26%        | 88           | 0           | 0%           | 37                  | 37          | 100%        |
| Lao PDR             | 1,474            | 87           | 6.55%        | 1            | 0           | 0%           | -                   | -           | -           |
| Malaysia            | 287,434          | 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            | 78,208           | 1,046        | 2.27%        | 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>1,642,592</b> | <b>4,962</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           | 154,082        | 916          | 0.59%        | 754           | 7           | 0.93%        | 1,054        | 0           | 0%           |
| Lao PDR             | 4,945          | 0            | 0.00%        | 7,504         | 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         | 90,119         | 233          | 0.26%        | 2             | 0           | 0%           | 2,655        | 3           | 0.11%        |
| Singapore           | 9,874          | 0            | 0.00%        | 11            | 0           | 0%           | 8            | 0           | 0%           |
| Thailand            | 46,900         | 37           | 0.09%        | 2,545         | 1           | 0.04%        | 1,347        | 0           | 0%           |
| Viet Nam            | 25,000         | 3            | 0.01%        | 141           | 0           | 0%           | 233          | 0           | 0%           |
| <b>ASEAN Region</b> | <b>414,234</b> | <b>1,275</b> | <b>0.31%</b> | <b>10,959</b> | <b>14</b>   | <b>0.14%</b> | <b>7,328</b> | <b>3</b>    | <b>0.04%</b> |



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