

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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## Table of Contents

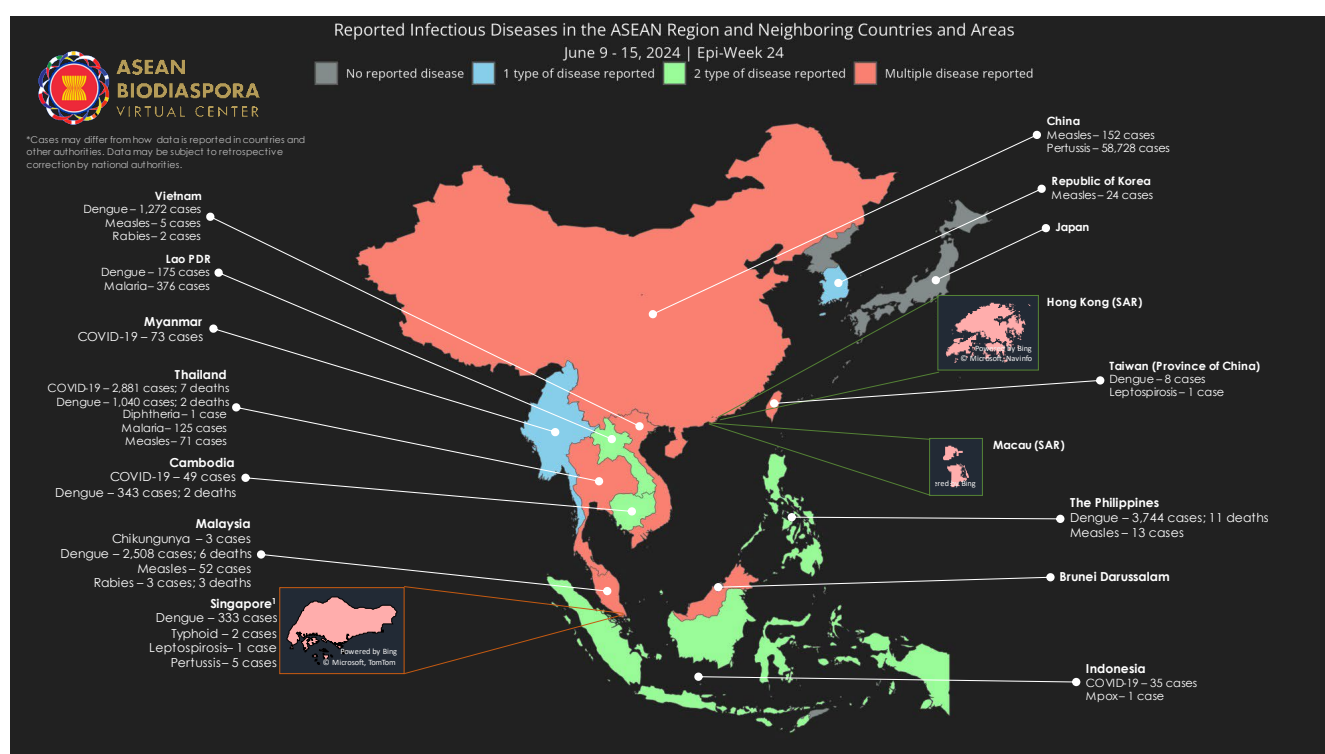
<a href="#">Key Findings</a> .....	1	<b>Vector-Borne Diseases</b> .....	10
<a href="#">Reported Infectious Diseases in the ASEAN Region and Neighboring Countries</a> .....	1	<b>Dengue</b> .....	10
<b>Emerging Diseases</b> .....	2	<a href="#">Dengue Cases in the ASEAN Region Map</a> .....	10
<b>COVID-19</b> .....	2	<a href="#">Dengue Cases in the ASEAN Region Table</a> .....	10
<a href="#">COVID-19: Highlights and Situation Overview</a> .....	2	<b>Malaria</b> .....	11
<a href="#">ASEAN Weekly COVID-19 Cases and Deaths</a> .....	2	<a href="#">Malaria Cases in the ASEAN Region Map</a> .....	11
<a href="#">Trends of Influenza Confirmed Cases in the ASEAN region</a> .....	2	<a href="#">Malaria Cases in the ASEAN Region Table</a> .....	11
<a href="#">Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS</a> .....	3	<a href="#">Media Monitoring for Vector-borne Diseases</a> .....	12
<a href="#">COVID-19 Variants Frequencies Among the ASEAN Member States</a> .....	4	<a href="#">Global Situation</a> .....	12
<a href="#">COVID-19 Variants Frequencies in the ASEAN Region</a> .....	4	<a href="#">Regional Situation</a> .....	12
<b>Mpox</b> .....	5	<b>Vaccine-Preventable Diseases</b> .....	14
<a href="#">Mpox Cases Reported in the ASEAN Region</a> .....	5	<b>Diphtheria</b> .....	14
<a href="#">Mpox Highlights and Situation Overview</a> .....	6	<a href="#">Diphtheria Cases in the ASEAN Region Map</a> .....	14
<a href="#">Mpox Cases in the ASEAN Region</a> .....	6	<a href="#">Diphtheria Cases in the ASEAN Region Table</a> .....	14
<a href="#">Top 5 Countries with Most Mpox Cases Globally</a> .....	6	<b>Measles</b> .....	15
<a href="#">Mpox Cases per Region</a> .....	6	<a href="#">Measles Cases in the ASEAN Region Map</a> .....	15
<a href="#">Media Monitoring for Emerging Diseases</a> .....	7	<a href="#">Measles Cases in the ASEAN Region Table</a> .....	15
<a href="#">Global Situation</a> .....	7	<a href="#">Media Monitoring for Vaccine-Preventable Diseases</a> .....	16
<a href="#">Regional Situation</a> .....	7	<a href="#">Global Situation</a> .....	16
<b>Zoonosis</b> .....	8	<a href="#">Regional Situation</a> .....	17
<b>Rabies</b> .....	8	<a href="#">Media Monitoring for Other Diseases</a> .....	18
<a href="#">Rabies Cases in the ASEAN Region Map</a> .....	8	<a href="#">Regional Situation</a> .....	18
<a href="#">Rabies Cases in the ASEAN Region Table</a> .....	8	<a href="#">Annex 1. Infectious Diseases in the ASEAN Region in 2023-2024 – Summary Table</a> .....	19
<a href="#">Media Monitoring for Zoonosis</a> .....	9	<b>References</b> .....	20
<a href="#">Global Situation</a> .....	9		
<a href="#">Regional Situation</a> .....	9		

## Key Findings

- The cases of hand, foot, and mouth diseases (HFMD) in AMS are still reported this week.
- Pertussis cases has been reported both in global (People's Republic of China) and in the ASEAN region (Singapore).
- The trend of COVID-19 is decreasing significantly both in global and in the ASEAN region. However, several ASEAN Member States (AMS) still report few cases of COVID-19.
- Based on GISAID data, there is new sub-variant of COVID-19 namely "**KP**" has been reported in several AMS (Cambodia, Malaysia, The Philippines, Singapore, and Thailand). However, the **JN.1**, which is subtypes of **BA.2.86**, remains a dominant variant of interest spreading in the ASEAN region until the last report.

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

Epidemiological Week 24 | June 9 – 15, 2024



Source: AMS Official Sources, [Worldometer](#), [WHO](#), [Our World in Data](#), and [Bluedot Platform](#), accessed on June 18, 2024

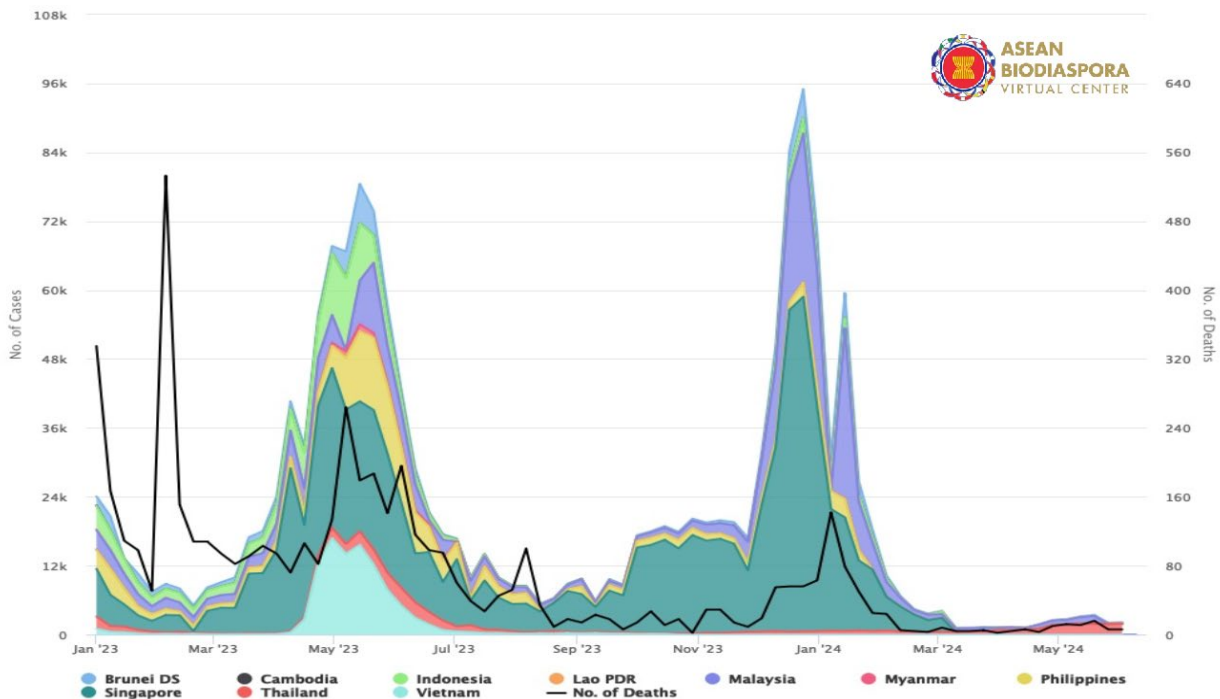
## EMERGING DISEASES

### COVID-19: Highlights and Situation Overview

- As of 15 June 2024 (5PM, GMT+7), there were **704,777,047** confirmed cases **worldwide**, including **7,010,749** deaths. Globally, Case Fatality Rate (CFR) was **1.00%**.
- 37,021,459** 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

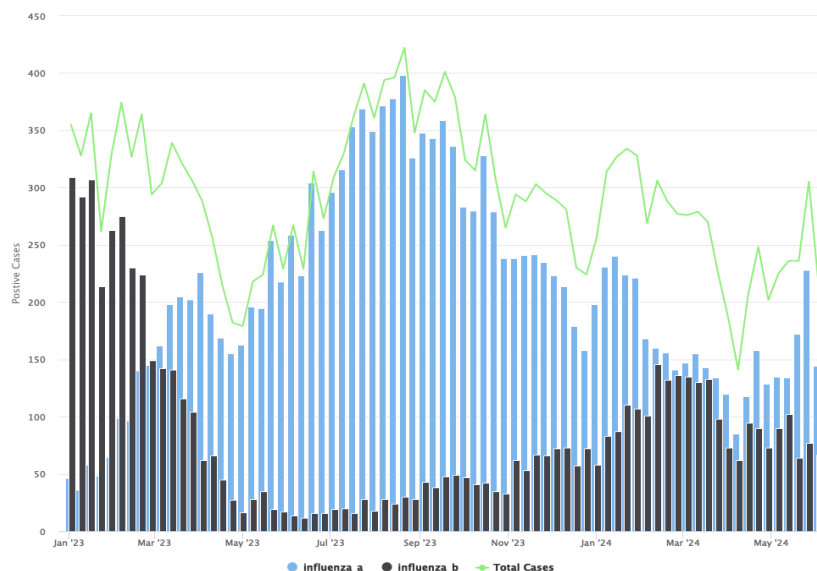
From January 1 to June 15, 2024



Source: [Worldometer](#), [WHO](#), and [Our World in Data](#), accessed on June 18, 2024

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

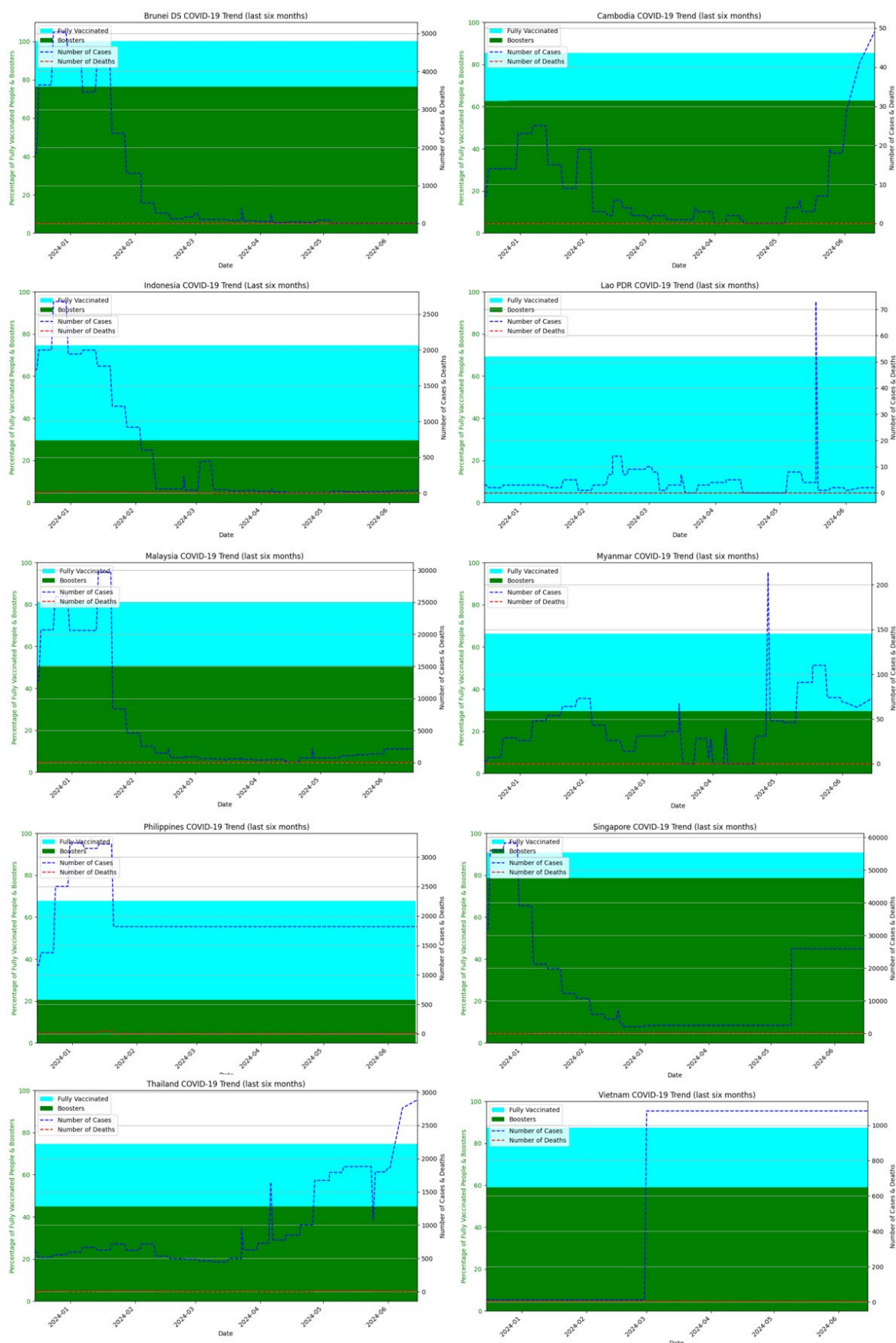
From January 1 to June 15, 2024



Source: FluNet, accessed on June 18, 2024 (<https://www.who.int/tools/fluNet>)

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

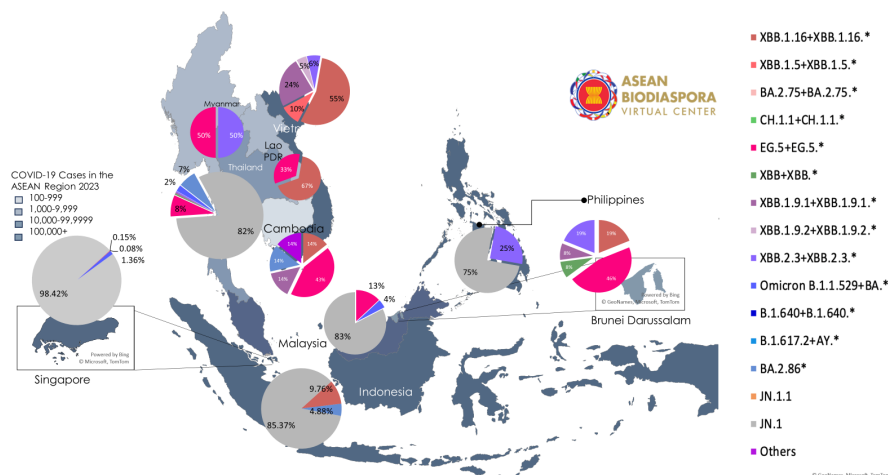
From December 15, 2023 to June 15, 2024



Source: AMS Official Sources, [Worldometer](#), [Our World In Data](#), and [WHO](#), accessed on June 18, 2024

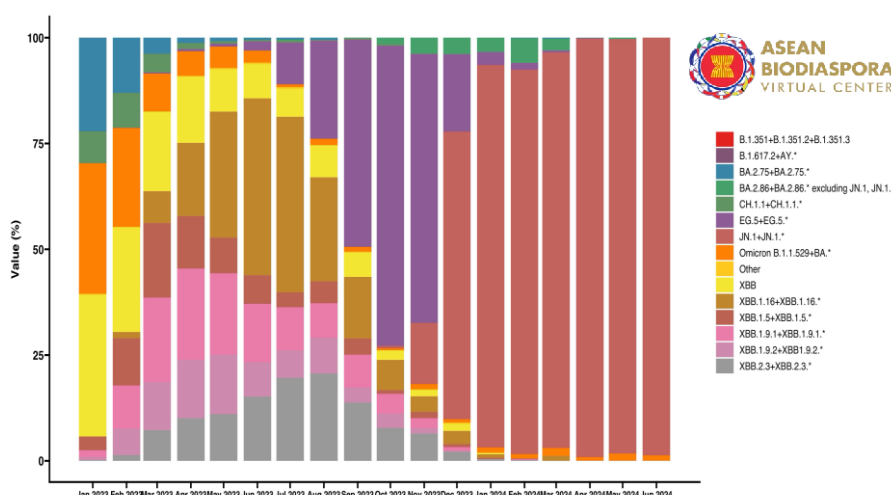


## COVID-19 Variants Frequencies Among the ASEAN Member States In June 2024



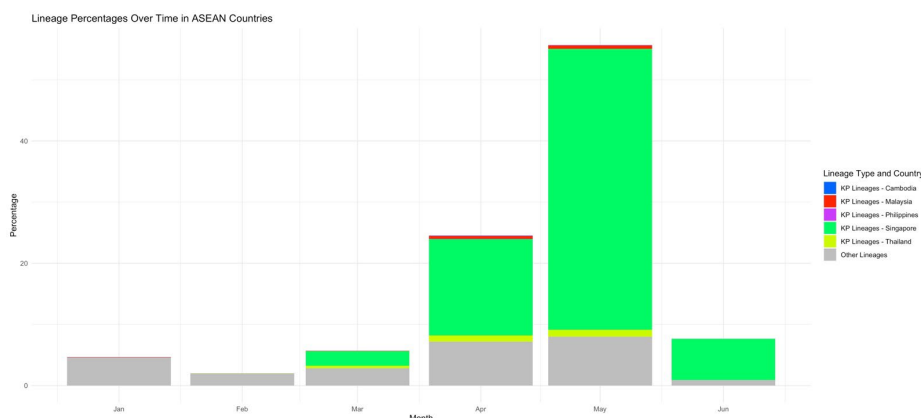
Source: GISAID. "hCoV-19 Variants Dashboard," accessed on June 18, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

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



Source: GISAID. "hCoV-19 Variants Dashboard," accessed on June 18, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

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

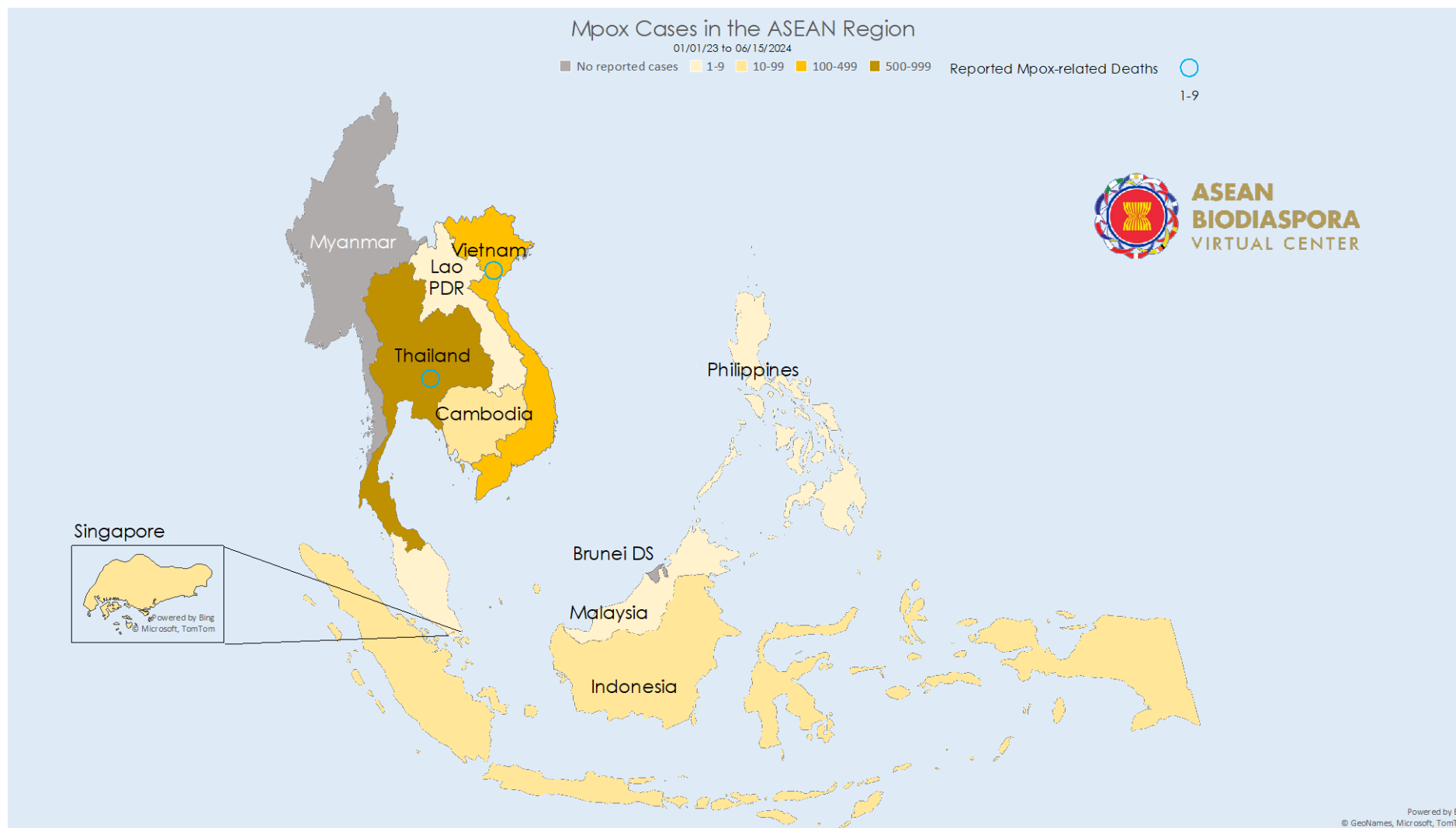


Source: GISAID. "hCoV-19 Variants Dashboard," accessed on June 18, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)



## Mpox Cases Reported in the ASEAN Region

January 1, 2023 – June 15, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. Bluedot Platform, accessed on June 18, 2024 (<https://portal.bluedot.global>)
3. Ministry of Health Singapore, accessed June 18, 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 15 June 2024, **14,340** confirmed cases worldwide since 2023, including **132** deaths. Globally, the CFR was **0.92%**.
- 1109 confirmed cases** including **nine deaths** in the **ASEAN** region, with a CFR of **0.81%**.
- 13,231 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 June 15, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
Cambodia <sup>1</sup>	13	0	0	0.00%
Indonesia <sup>2</sup>	88	1	0	0.00%
Lao PDR <sup>1</sup>	1	0	0	0.00%
Malaysia <sup>1</sup>	9	0	0	0.00%
Philippines <sup>1</sup>	5	0	0	0.00%
Singapore <sup>3</sup>	40	0	0	0.00%
Thailand <sup>1</sup>	762	0	1	0.13%
Vietnam <sup>1</sup>	191	0	8	4.19%
<b>ASEAN Total</b>	<b>1109</b>	<b>1</b>	<b>9</b>	<b>0.81%</b>

Source:

1. Bluedot Platform, accessed on June 18, 2024 (<https://portal.bluedot.global/>)
2. Ministry of Health Republic of Indonesia
3. Ministry of Health Singapore, accessed on June 18, 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 June 15, 2024)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
United States of America	2,660	0	9	0.34%
People's Republic of China	2,353	0	1	0.04%
Democratic Republic of Congo	1,723	0	2	0.12%
Thailand	762	0	1	0.13%
Brazil	701	0	2	0.29%

Source: Our World in Data, accessed on June 18, 2024 (<https://ourworldindata.org/monkeypox>)

## Mpox cases per region (Jan. 1, 2023 to June 15, 2024)

REGIONS	CUMULATIVE CASES	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	1,964	-	9	0.46%
AMERICAS	5,788	-	89	1.54%
ASEAN	1,109	1	9	0.81%
ASIA & OCEANIA	3,928	-	20	0.51%
EUROPE	1,551	-	5	0.32%
<b>TOTAL</b>	<b>14,340</b>	<b>-</b>	<b>132</b>	<b>0.92%</b>

Source: Our World in Data, accessed on June 18, 2024 (<https://ourworldindata.org/monkeypox>)



## Media Monitoring for Emerging Diseases

Epidemiological Week 24 | June 9 – 15, 2024

### Global Situation for Emerging Diseases

#### COVID-19

- **Bangladesh** reported 15 more COVID-19 cases in the last 24 hours, increasing its total caseload to 2,050,703 (Daily Bangladesh, 2024). The official death toll remains at 29,495, with a daily positivity rate of 4.38%. The recovery rate reached 2,018,021, with recovery and death rates at 98.41% and 1.44%, respectively. [[Full article](#)]
- **New Zealand** has reported 5,230 new COVID-19 cases and 20 deaths, with 360 probable cases and 3,429 reinfections (News, 2024). The ministry reported 6,142 new cases and one death last week, following a spike in cases and warnings of a significant wave this winter. [[Full article](#)]
- The **United States (US)**: The Hawai'i Department of Health reports a surge in COVID-19 activity, with 1,330 active cases statewide, and 172 daily average cases in Hawai'i County, and 124 active cases on Hawai'i Island (PMG, 2024). The Hawai'i Department of Health Urging public precautions. [[Full article](#)]

#### Mpox

- **South Africa** health authorities have confirmed two deaths this week after contracting mpox, indicating local transmission of the disease. A 38-year-old man died in the eastern KwaZulu-Natal province, while another man died in a hospital near Johannesburg. The deaths were among six confirmed cases of mpox in South Africa, all in men in their 30s (ABC News, 2024). Genetic tests showed the men had the less severe version of mpox, which spread globally in an outbreak that began in 2022. All cases had no travel history to countries currently experiencing an outbreak, suggesting local transmission. Mpox is known to be more deadly in people with comorbidities, particularly those that weaken their immune systems. [[Full article](#)]

### Regional Situation for Emerging Diseases

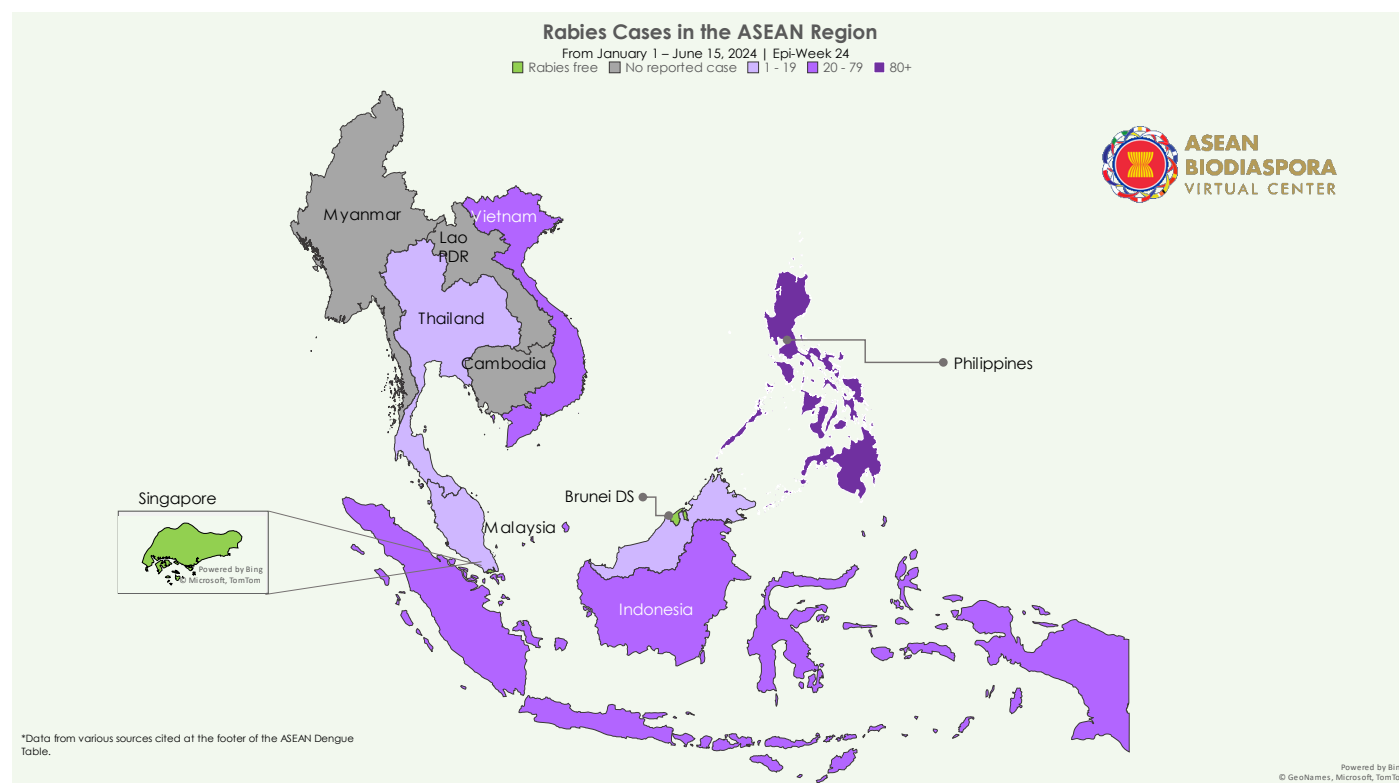
#### COVID-19

- **Malaysia**: The number of COVID-19 cases in Johor has been steadily increasing over the past eight weeks, according to state health and Environment Committee chairman Ling Tian Soon. In the 23rd epidemiological week, 263 cases were recorded, a 5.6% increase from the previous week. The trend has been increasing since the 16th epidemiological week, with 109 cases reported, a 220.6% increase from the previous week. The accumulated number of COVID-19 cases in Johor to date is 414,401. Most cases were reported in Johor Bahru, followed by Batu Pahat, Kulai, and Muar. [[Full article](#)]

## ZOONOSIS

### Rabies Cases in the ASEAN Region

From January 1 to June 15, 2024 (Epi-Week 24)



### 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	-	-	-	-	-
Indonesia <sup>1</sup>	Week 21	37	-	37	100%
Lao PDR	-	-	-	-	-
Malaysia <sup>2</sup>	Week 24	79	3	79	100%
Myanmar	-	-	-	-	-
Philippines <sup>2</sup>	Week 22	169	-	169	100%
Singapore		Rabies-free country			
Thailand <sup>3</sup>	Week 22	0	0	0	100%
Vietnam <sup>2</sup>	Week 24	41	2	41	100%
<b>Total</b>		<b>326</b>	<b>5</b>	<b>326</b>	<b>100%</b>

1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed June 18, 2024 (<https://portal.bluedot.global/>)
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed June 18, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **5** new rabies cases since the previous report. The region reported **326** total cases with **100%** CFR.

## Media Monitoring for Zoonosis

Epidemiological Week 24 | June 9 – 15, 2024

### Global Situation for Zoonosis

#### Avian Influenza (H5N1)

- **Australia:** A child in Australia contracted H5N1 bird flu, traveling to Kolkata, India. The World Health Organization (WHO) confirmed the child had no known exposure to infected people or animals during their visit (Kumari, S., 2024). The child was hospitalized for over two weeks and returned to Australia on March 2. [\[Full article\]](#)

#### Avian Influenza (H9N2)

- **India's** National Focal Point reported a second human infection with avian influenza A(H9N2) virus to the WHO (WHO, 2024). The child was recovered and discharged from the hospital. The virus, which is prevalent in poultry, typically results in mild clinical illness. The WHO assesses the public health risk as low but will review it if more information becomes available. [\[Full article\]](#)

### Regional Situation for Zoonosis

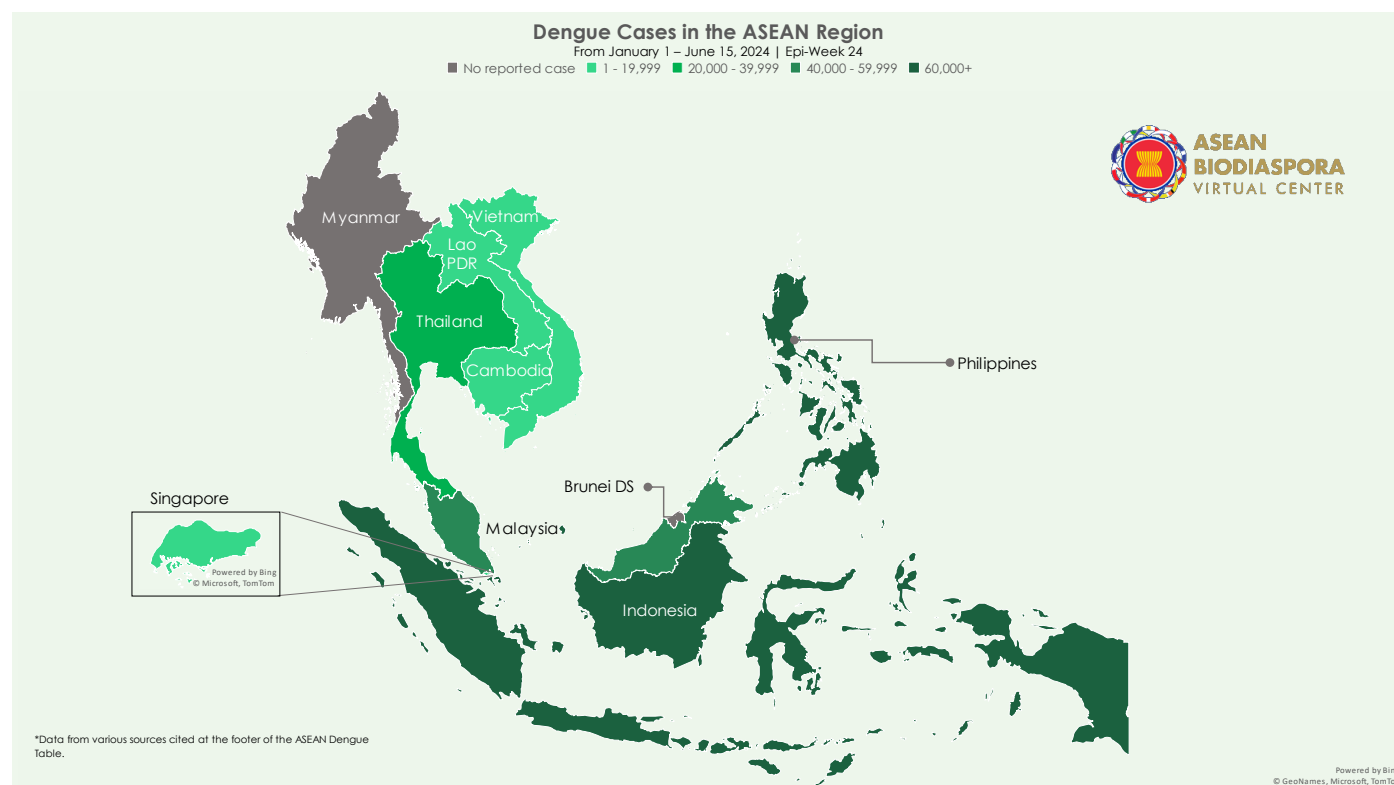
#### Rabies

- **Indonesia:** A rabies outbreak began in South Timor Tengah district in May 2023 and spread throughout the island until early June 2024 (Media Indonesia, 2024). The total number of residents who died from rabies bites in the area reached 17 from May 2023 to June 8, 2024. The number of cases was 4,323, including 1,499 school-age children, 1,767 productive-age adults, 3 babies, and 360 elderly. [\[Full article\]](#)
- **Malaysia:** Sarawak has recorded another death due to a rabies outbreak among humans at the Sarawak General Hospital (Bernama, 2024). Four cases this year resulted in death due to complications from rabies infection. The cases were all contracted through pets, which did not receive anti-rabies vaccination. Since 2017, there have been 56,023 dog bites, 47,258 cat bites or scratches, and 1577 bites of other animals reported. [\[Full article\]](#)
- **Vietnam:** The Southern region experienced an increase in infectious disease cases in the first six months of 2024, including rabies, despite vaccines being effective (Hang, 2024). The Southern Regional Epidemic Prevention and Control Conference revealed that 41 cases of rabies have been reported since January, with 27% of the total affected, and 52% since 2023. [\[Full article\]](#)

## VECTOR-BORNE DISEASES

### Dengue Cases in the ASEAN Region

From January 1 to June 15, 2024 (Epi-Week 24)



### 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 22	5,927	343	22	2	0.37%
<b>Indonesia<sup>2*</sup></b>	Week 21	109,597	-	720	-	0.66%
<b>Lao PDR<sup>1</sup></b>	Week 22	3,259	175	0	0	0.00%
<b>Malaysia<sup>3</sup></b>	Week 23	67,137	2,508	48	6	0.07%
<b>Myanmar</b>	-	-	-	-	-	-
<b>Philippines<sup>4</sup></b>	Week 24	70,500	3,744	197	11	0.28%
<b>Singapore<sup>5**</sup></b>	Week 23	8,365	333	0	0	0.00%
<b>Thailand<sup>6***</sup></b>	Week 22	33,133	1,040	32	2	0.10%
<b>Vietnam<sup>1</sup></b>	Week 23	23,614	1,272	2	0	0.01%
<b>Total</b>		<b>321,532</b>	<b>9,415</b>	<b>1,021</b>	<b>21</b>	<b>0.32%</b>

1. WHO WPRO, "Dengue," World Health Organization, accessed June 18, 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 June 18, 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 June 18, 2024, <https://developer-portal.bluedot.global/>.

5. Ministry of Health, "Weekly Infectious Disease Bulletin", accessed June 18, 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 June 18, 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.

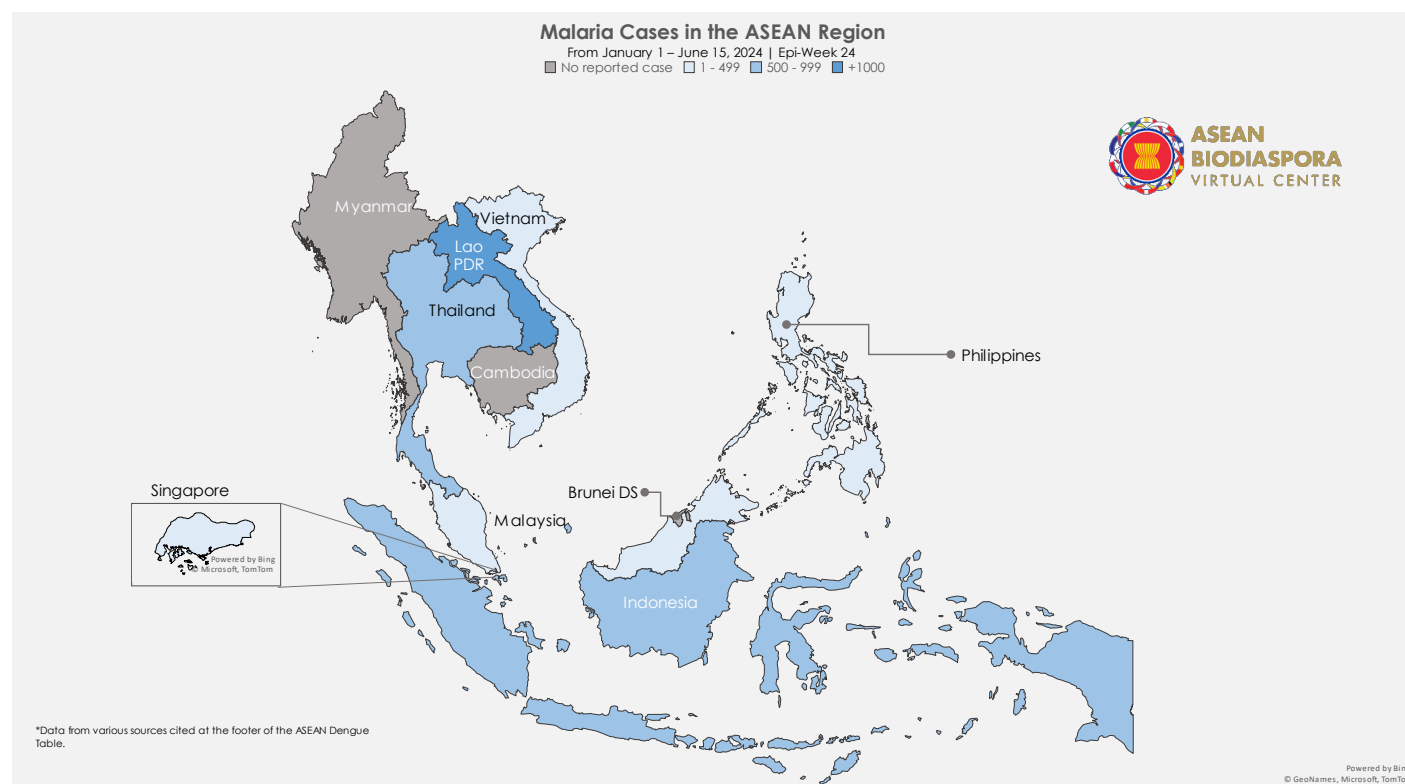
\*\*Notified dengue cases only includes severe cases Dengue Hemorrhagic fever (DHF) and Dengue Shock Syndrome (DSS)

\*\*\*Notified dengue cases include all type of cases DF, DHF, and DSS

- The **ASEAN** region reported **9,415** new dengue cases since the previous report. The region reported **321,532** total cases with **0.32%** CFR.

## Malaria Cases in the ASEAN Region

From January 1 to June 15, 2024 (Epi-Week 24)



## 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 24	4,119	376	3	0.07%
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 23	9	0	0	0.00%
Thailand <sup>4</sup>	Week 22	1,315	125	0	0.00%
Vietnam <sup>1</sup>	Week 11	141	-	0	0.00%
<b>Total</b>		<b>6,342</b>	<b>501</b>	<b>10</b>	<b>0.16%</b>

1. Bluedot Platform, accessed June 18, 2024 (<https://portal.bluedot.global/>)
2. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed June 18, 2024 (<https://www.facebook.com/CCEH.MoH.Lao/>)
3. Ministry of Health Singapore, accessed June 18, 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 June 18, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **501** new malaria cases since the previous report. The region reported **6,342** total cases with **0.16%** CFR.



## Media Monitoring for Vector-borne Diseases

Epidemiological Week 24 | June 9 – 15, 2024

### Global Situation for Vector-borne Diseases

#### Dengue

- **Bangladesh:** A dengue outbreak in Bangladesh has reached 3,056 cases and 38 deaths this year, according to the Directorate General of Health Services (DGHS) (BSS, 2024). In the past 24 hours, 25 patients were hospitalized, and 2,877 have been released. A recent survey revealed that 18 wards under two city corporations in Dhaka are at high risk of dengue, with Dhaka North City Corporation having the highest risk. [\[Full article\]](#)
- **Taiwan:** A cluster epidemic of dengue fever has occurred in Beili, Fengshan District Town, Kaohsiung City (Youru, 2024). Two men and a woman were tested and confirmed to have the virus. The Health Bureau conducted prevention and control work, finding 282 stagnant water sites breeding mosquito vectors within four days. The community was identified as an infection nest, with high vector mosquito density. The health bureau started emergency prevention and control work, including blanket breeding source removal and chemical control. Environmental clean-ups were carried out, removing 81 dirty spots and 50 tons of waste. If suspected, individuals should contact the 549 integrated medical contract hospitals and use dengue fever NS1 rapid screening reagents for diagnosis and early notification. [\[Full article\]](#)

#### Malaria

- **India:** A total of 850 malaria cases have been confirmed in the Alluri Sitharama Raju (ASR) district from January 1 to June 5, causing concern among tribal people in remote hamlets like Buruga and China Konela (Bureau, 2024). Around 15 affected persons had to be carried in 'dolis' to nearest hospitals. Tribal people claim there is no power supply, no asphalt roads, and mosquito control measures are not effective, making residents susceptible to malaria-carrying mosquitoes. [\[Full article\]](#)
- **South Korea:** Goyang, a city near the inter-Korean border, has issued a malaria advisory following two cases within four days (Min-ho, 2024). The two cases, both exhibited symptoms of the mosquito-borne disease, including high fever and muscle aches, after receiving medical tests and treatment, both fully recovered. Health officials plan to conduct an investigation into the environment to assess the risk of malaria in the area. Goyang is one of the high-risk areas for malaria, with 100 confirmed cases between January and May this year. The disease is typically transmitted through *Anopheles sinensis* bites, blood transfusions, hypodermic needle-sharing, or congenital transmission. Symptoms include high fever, chills, sweating, fatigue, chest pain, breathing problems, and coughing. [\[Full article\]](#)

### Regional Situation for Vector-borne Diseases

#### Dengue

- **Indonesia:** The Lebak District Health Service reported 1,876 local residents were attacked by Dengue Hemorrhagic Fever (DHF) from January to June 2024, with 6 deaths (Lubis, R.U., 2024). The increase in cases is attributed to high rainfall, making it easier for *Aedes aegypti* mosquito breeding. Low awareness of clean and healthy lifestyles and mosquito nest eradication is also contributing to the spread of the virus. [\[Full article\]](#)

The Karanganyar District Health Service reported an increase in Dengue Hemorrhagic Fever (DHF) cases, with 695 cases in Bumi Indapatri and several sub-districts (Hartono, 2024). Three people died out of the total 695 cases, with the highest cases occurring in week 16 of 2024. [\[Full article\]](#)

The Tanjungpinang City Health Service reported 66 cases of Dengue Hemorrhagic Fever (DHF) from January to mid-June 2024, with the largest number of cases in Pinang Kencana Village at 18% (Zulfan, 2024). The increase is attributed to mosquito bites, particularly among children, and lack of cleanliness around residences and activity locations. The head of the health service urged the public to take preventive measures, such as protecting the environment, closing window ventilation, and eradicating larvae to prevent mosquito growth.

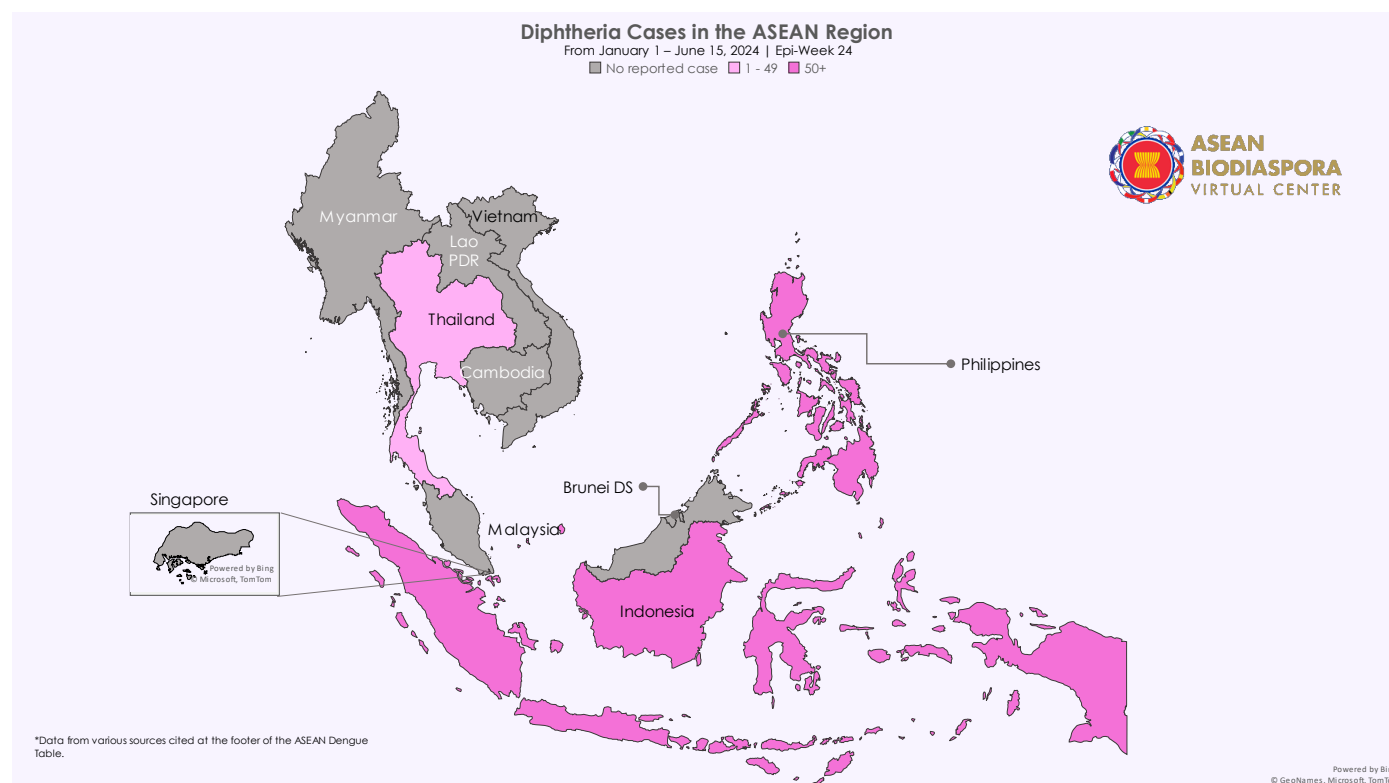
[\[Full article\]](#)

- **Myanmar:** The Public Health Department in Yangon City Development Committee (YCDC) reported 377 dengue cases and one death between January and May 2024 (Global New Light of Myanmar, 2024) [\[Full article\]](#)
- **Vietnam:** Dak Lak province is facing a severe dengue fever outbreak, with over 300 cases recorded since 2024 (Nam Trang, 2024). The local health sector is implementing prevention measures to prevent the disease from spreading into an epidemic. The CDC reports that the province is focusing on Buon Ma Thuot city, Ea Kar, and Krong Pac districts. To control the disease, the health sector is coordinating with mass media agencies, strengthening monitoring, and reviewing hot spots for timely handling. Proactive epidemic prevention efforts will be deployed in June and July. [\[Full article\]](#)

## VACCINE-PREVENTABLE DISEASES

### Diphtheria Cases in the ASEAN Region

From January 1 to June 15, 2024 (Epi-Week 24)



### Diphtheria cases in the ASEAN region

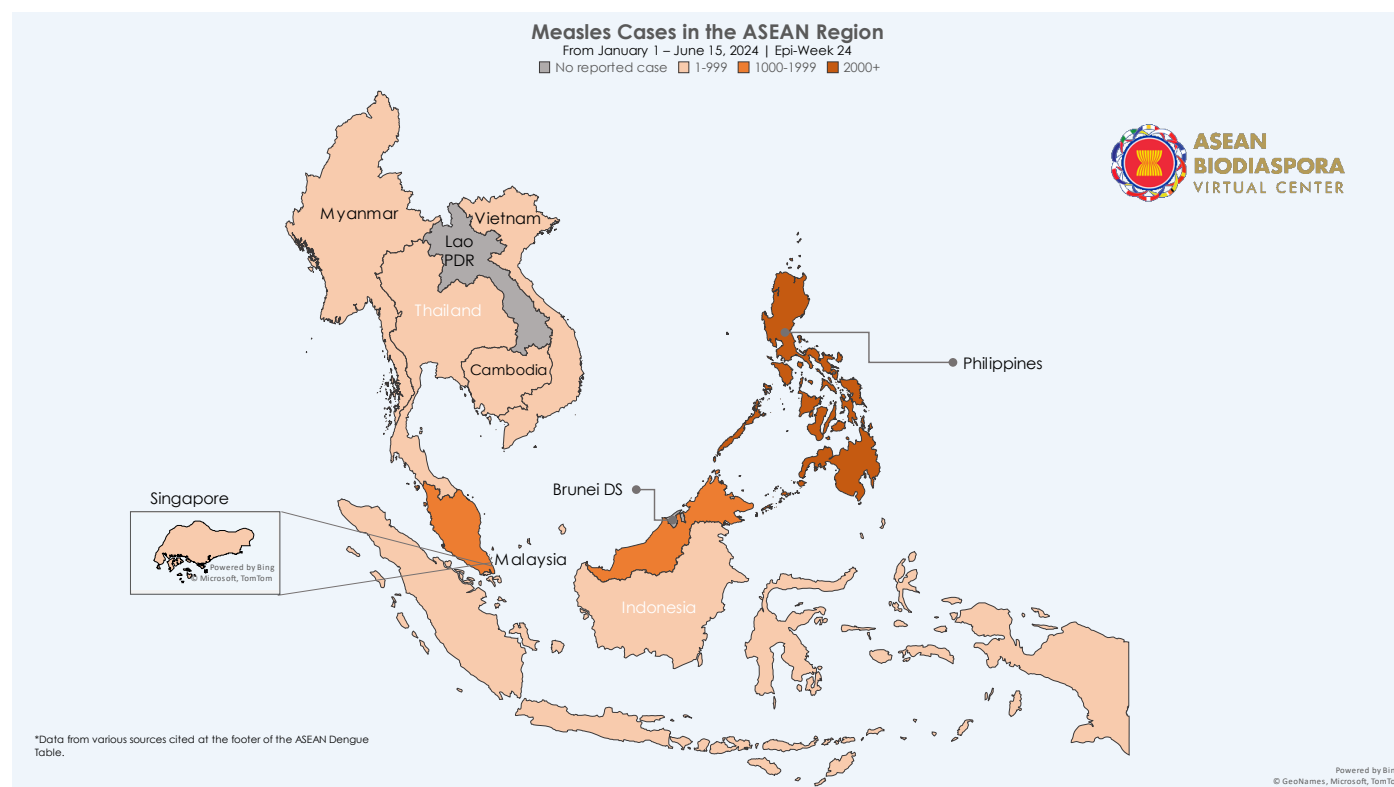
Country	Epi-Week Reported	Cumulative Diphtheria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia <sup>1</sup>	Week 23	308	-	16	5.19%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines <sup>2</sup>	Week 22	110	-	0	0%
Singapore <sup>3</sup>	Week 23	0	0	0	0%
Thailand <sup>4</sup>	Week 22	2	1	1	50%
Vietnam <sup>5</sup>	-	-	-	-	-
<b>Total</b>		<b>420</b>	<b>1</b>	<b>17</b>	<b>4.05%</b>

1. Ministry of Health, Republic of Indonesia.
2. BlueDot Platform, accessed June 18, 2024 (<https://developer-portal.bluedot.global/>)
3. Ministry of Health Singapore, accessed June 18, 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 June 18, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The ASEAN region reported **420** new diphtheria cases since the previous report. The region reported **1** total cases with **4.05%** CFR.

## Measles Cases in the ASEAN Region

From January 1 to June 15, 2024 (Epi-Week 24)



## 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 23	933	-	0	0%
<b>Lao PDR</b>	-	-	-	-	-
<b>Malaysia<sup>1</sup></b>	Week 24	2,008	52	0	0%
<b>Myanmar<sup>1</sup></b>	Week 22	19	-	0	0%
<b>Philippines<sup>3</sup></b>	Week 24	2,655	13	3	0.11%
<b>Singapore<sup>4</sup></b>	Week 23	8	0	0	0%
<b>Thailand<sup>5</sup></b>	Week 22	943	71	0	0%
<b>Vietnam<sup>3</sup></b>	Week 24	90	5	0	0%
<b>Total</b>		<b>6,660</b>	<b>141</b>	<b>3</b>	<b>0.05%</b>

- Provisional Measles and Rubella Data, World Health Organization, accessed June 18, 2024 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed June 18, 2024 (<https://developer-portal.bluedot.global/>)
- Ministry of Health Singapore, accessed June 18, 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 June 18, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **141** new measles cases since the previous report. The region reported **6,660** total cases with **0.05%** CFR.

## Media Monitoring for Vaccine-Preventable Diseases

Epidemiological Week 24 | June 9 – 15, 2024

### Global Situation for Vaccine-Preventable Diseases

#### Measles

- **Canada:** In week 22, 2024, no new cases of measles or rubella were reported in Canada (Canada, 2024). Currently, there are 17 active cases of measles in Canada, 77 cases of measles, and 1 case of congenital rubella syndrome/infection reported in 2024. The last measles death was reported in September 2023. To date, 67 cases of measles have been genotyped, with 53 being B3 and 14 being D8. The measles genotype was identified for one case in week 20 and was epidemiologically linked to a travel-related case. The current global distribution of measles genotypes can be found on the WHO Measles Surveillance website. Canadians traveling outside of Canada are encouraged to consult travel health notices for information on measles and rubella outbreaks occurring in other countries. The last case of rubella was reported in September 2023. [\[Full article\]](#)
- **Pakistan:** Punjab Minister for Primary and Secondary Healthcare reported a decrease in measles cases, with Chief Minister monitoring the situation (Jamshaid, 2024). Around eight children have died in Rawalpindi, with 496 measles patients reported. The situation is expected to continue in the coming days. [\[Full article\]](#)
- The **United Kingdom (UK):** Families of children with cancer and other conditions that may weaken immunity are being warned to take extra care during the measles emergency, as GPs diagnose more than 600 new suspected cases in three weeks (Ault, 2024). Since the current outbreak began in Birmingham, there have been 1,749 lab-confirmed cases, including 1,531 confirmed cases so far in 2024, more than quadruple the 362 cases seen all last year and the biggest outbreak in more than a decade. The UK Health Security Agency (UKHSA) has sent letters to clinicians around the country offering guidance for protecting patients with weakened immune systems, particularly children. [\[Full article\]](#)
- The **United States (US):** The Virgin Islands Health commissioner, has urged parents to maintain their children's vaccination schedule amid measles outbreaks across the U.S mainland and the Caribbean region (Daily News Staff, 2024). The U.S. Virgin Islands childhood vaccine rate is currently at 60%, with more parents applying for exemptions. The Virgin Islands Health commissioner highlighted the alarming number of 151 measles cases reported in 22 jurisdictions across the U.S. mainland, highlighting the importance of vaccination for children's protection. [\[Full article\]](#)

#### Pertussis

- **Canada:** Quebec is experiencing an increase in whooping cough cases, with most occurring in the Eastern Townships and Beauce (Johnson, 2024). Montreal has reported 1,476 cases since the start of the year, with a spike in cases in the last month. The highly contagious respiratory infection, which can cause complications, is highly contagious and can lead to hospitalizations. Montreal Public Health reports a peak in whooping cough cases every three to five years, with the last outbreak occurring in 2019. [\[Full article\]](#)
- **France:** Public Health France has reported a resurgence of whooping cough in France and Europe, with four cases reported in a Rennes school and dozens in Brittany (Veillard, 2024). The disease has been affecting children and teachers, and families have been informed and evicted for at least five days. The latest data confirms the resurgence in France, with more cases reported over the first five months of the year. The European Center for Disease Prevention and Control (ECDC) reported 25,130 cases of whooping cough in 2023 compared to 32,037 cases between January 1 and March 31, 2024. In France, 70 cases were reported in



the first three months of 2024, with around twenty clusters reported. Treatment with antibiotics and a five-day avoidance are necessary. [\[Full article\]](#)

- **Kazakhstan:** A child died in Kazakhstan due to whooping cough, a disease caused by an insignificant number of unvaccinated children (akipress, 2024). The Health Minister highlighted the unstable population health and the fatal case in March, with 1,353 cases registered since the start of 2023. [\[Full article\]](#)
- The **United States (US):** Clark County Public Health reported a four-fold increase in whooping cough cases in 2024, with 60 identified (Staff, 2024). This respiratory illness, also known as pertussis, is particularly severe for babies under one year old. About 1 in 3 babies need hospital care. Vaccination is crucial to protect babies and young children from whooping cough, as many are infected by older siblings, parents, or caregivers. Over half of cases are in children four and younger, with 78% having never received a vaccine. [\[Full article\]](#)

The Washtenaw County Health Department has reported a significant increase in pertussis cases this year, with 21 cases reported compared to the previous three years (WXYZ, 2024). The FDA has expressed concern about the spike, with cases nearly three times higher this year than in 2023. The health department advises those diagnosed with whooping cough to stay away from others until they have completed a five-day antibiotic treatment. Current cases are mainly among teens and young adults, with no hospitalizations reported. Most have been vaccinated against pertussis, but protection decreases after two years. Pertussis is spread through airborne droplets and can cause complications in teens and adults, including difficulty sleeping, pneumonia, and rib fractures, and in infants, including pneumonia, convulsions, and brain damage. [\[Full article\]](#)

## Poliomyelitis

- **Pakistan:** The fifth polio case in Balochistan's Quetta has raised concerns about surveillance lapses and potential increased transmission during the polio eradication campaign (ANI, 2024). The case, which occurred on April 29 and was confirmed on June 8, shows a significant delay of six weeks in diagnosis, indicating a gap in identifying and addressing poliovirus infections. The victim, a two-year-old boy, died before the confirmation of poliovirus. Investigations are underway to determine whether the case resulted from vaccine refusal, although records indicate the child had received five doses of vaccine during supplementary immunization activities. [\[Full article\]](#)

## Regional Situation for Vaccine-Preventable Diseases

### Measles

- **Vietnam:** Ho Chi Minh City's health sector is concerned about the spread of measles after 16 cases were recorded (Phóng, 2024). The Pasteur Institute of Ho Chi Minh City organized a conference to strengthen epidemic prevention in 2024, with Deputy Director of the Department of Health, highlighting the increase in vaccine-preventable diseases like whooping cough and measles. Additionally, 16 measles cases were recorded, with 15 under 5 years old and 85% not fully vaccinated. The health sector is promoting catch-up vaccination and preventive vaccination for young children. The City People's Committee is advised to promulgate a proactive plan to prevent measles, including early detection of typhus and fever, epidemiological investigation, and zoning. [\[Full article\]](#)

## Media Monitoring for Other Diseases

Epidemiological Week 24 | June 9 – 15, 2024

### Regional Situation for Other Diseases

#### Hand, Foot, and Mouth Disease

- **Vietnam:** The city of Ho Chi Minh City has seen a decrease in HFMD disease cases, with 470 cases recorded in the first 23 weeks of 2024 (Son & Huong, 2024). The rate of children contracting HFMD increased in May, but is expected to increase again next month. The number of children with acute diarrhea and respiratory tract infection has also increased, with the rate expected to increase again in June. Additionally, four new measles cases have been hospitalized, with the number of infections expected to rise in the coming months. [[Full article](#)]



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

Epidemiological Week 24 | From January 1 to June 15, 2024

Infectious Diseases	COVID-19			Mpox			Rabies			Dengue		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	82,279	77	0.10%	-	-	-	Rabies-free Country			-	-	-
Cambodia	818	0	0%	13	0	0%	-	-	-	5,927	20	0.37%
Indonesia	117,694	1,453	1.26%	88	0	0%	37	37	100%	109,597	720	0.66%
Lao PDR	1,462	87	6.55%	1	0	0%	-	-	-	3,259	0	0%
Malaysia	267,704	494	0.20%	9	0	0%	79	79	100%	67,137	48	0.07%
Myanmar	9,038	5	0.06%	-	-	-	-	-	-	-	-	-
Philippines	141,371	1,467	1.04%	5	0	0%	169	169	100%	70,500	197	0.28%
Singapore	819,481	313	0.04%	40	0	0%	Rabies-free Country			8,365	0	0%
Thailand	69,681	999	2.15%	762	1	0.13%	0	0	0%	33,133	32	0.10%
Vietnam	101,828	20	0.02%	191	8	4.19%	41	41	100%	23,614	2	0.01%
<b>ASEAN Region</b>	<b>1,611,356</b>	<b>4,915</b>	<b>0.32%</b>	<b>1,109</b>	<b>9</b>	<b>0.81%</b>	<b>326</b>	<b>326</b>	<b>100%</b>	<b>321,532</b>	<b>1,021</b>	<b>0.32%</b>

Infectious Diseases	Malaria			Measles			Diphtheria		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Cambodia	-	-	-	4	0	0%	-	-	-
Indonesia	754	7	0.93%	933	0	0%	308	16	5.19%
Lao PDR	4,119	3	0.07%	-	-	-	-	-	-
Malaysia	2	0	0%	2,008	0	0%	-	-	-
Myanmar	-	-	-	19	0	0%	-	-	-
Philippines	2	0	0%	2,655	3	0.11%	110	0	0%
Singapore	9	0	0%	8	0	0%	0	0	0%
Thailand	1,315	0	0%	943	0	0%	2	1	50%
Vietnam	141	0	0%	90	0	0%	-	-	-
<b>ASEAN Region</b>	<b>6,342</b>	<b>10</b>	<b>0.16%</b>	<b>6,660</b>	<b>3</b>	<b>0.05%</b>	<b>420</b>	<b>17</b>	<b>4.05%</b>

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