

This report aims to provide the current situation on infectious and emerging diseases in the ASEAN Region. We collate various information from multiple official sources and publicly available sources and is published every week on Wednesday. For feedback and/or suggestions, please write to support@biodiaspora.org

Editorial

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Table of Contents

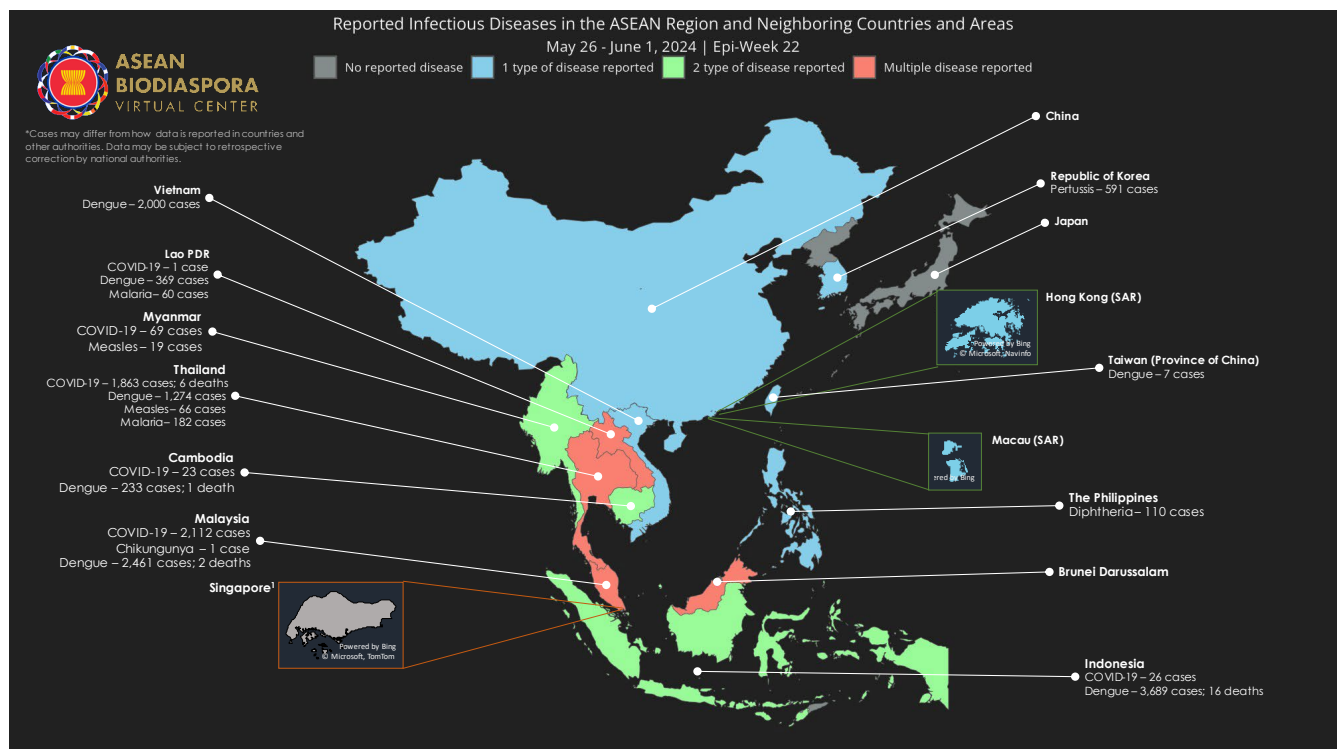
Key Findings	1	Vector-Borne Diseases	11
Reported Infectious Diseases in the ASEAN Region and Neighboring Countries	1	Dengue	11
Emerging Diseases	2	Dengue Cases in the ASEAN Region Map	11
COVID-19	2	Dengue Cases in the ASEAN Region Table	11
COVID-19: Highlights and Situation Overview	2	Malaria	12
ASEAN Weekly COVID-19 Cases and Deaths	2	Malaria Cases in the ASEAN Region Map	12
Trends of Influenza Confirmed Cases in the ASEAN region	2	Malaria Cases in the ASEAN Region Table	12
Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS	3	Media Monitoring for Vector-borne Diseases	13
COVID-19 Variants Frequencies Among the ASEAN Member States	4	Global Situation	13
COVID-19 Variants Frequencies in the ASEAN Region	4	Regional Situation	13
Mpox	5	Vaccine-Preventable Diseases	15
Mpox Cases Reported in the ASEAN Region	5	Diphtheria	15
Mpox Highlights and Situation Overview	6	Diphtheria Cases in the ASEAN Region Map	15
Mpox Cases in the ASEAN Region	6	Diphtheria Cases in the ASEAN Region Table	15
Top 5 Countries with Most Mpox Cases Globally	6	Measles	16
Mpox Cases per Region	6	Measles Cases in the ASEAN Region Map	16
Media Monitoring for Emerging Diseases	7	Measles Cases in the ASEAN Region Table	16
Global Situation	7	Media Monitoring for Vaccine-Preventable Diseases	17
Regional Situation	8	Global Situation	17
Zoonosis	9	Regional Situation	18
Rabies	9	Media Monitoring for Other Diseases	19
Rabies Cases in the ASEAN Region Map	9	Regional Situation	19
Rabies Cases in the ASEAN Region Table	9	Annex 1. Infectious Diseases in the ASEAN Region in 2023-2024 – Summary Table	20
Media Monitoring for Zoonosis	10	References	21
Global Situation	10		

Key Findings

- There is increasing number of cases of hand, foot, and mouth diseases (HFMD) in several AMS.
- Pertussis cases has been frequently reported almost every week both globally and ASEAN regional.
- Mpox cases showing slight increase globally, however there are no new cases reported in ASEAN region.
- 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 GISAIID data, there is new sub-variant of COVID-19 namely “**KP**” has been found in several AMS. 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 22 | May 26 – June 1, 2024



Source: AMS Official Sources, [Worldometer](#), [WHO](#), [Our World in Data](#), and [Bluedot Platform](#), accessed on June 4, 2024

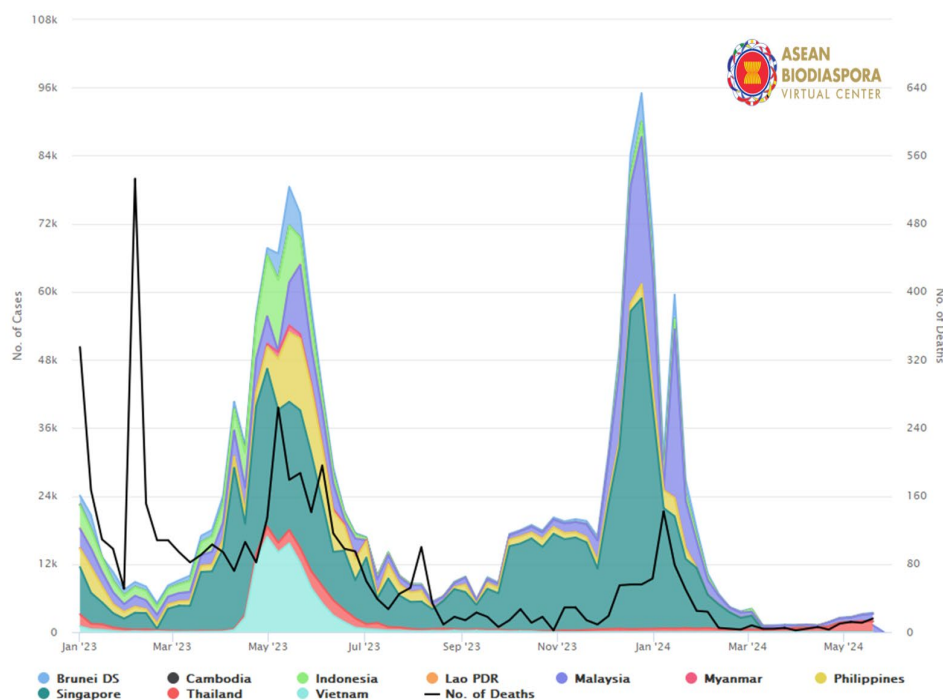
EMERGING DISEASES

COVID-19: Highlights and Situation Overview

- As of 01 June 2024 (5PM, GMT+7), there were **704,771,113** confirmed cases **worldwide**, including **7,010,737** deaths. Globally, Case Fatality Rate (CFR) was **1.00%**.
- 37,015,525** 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

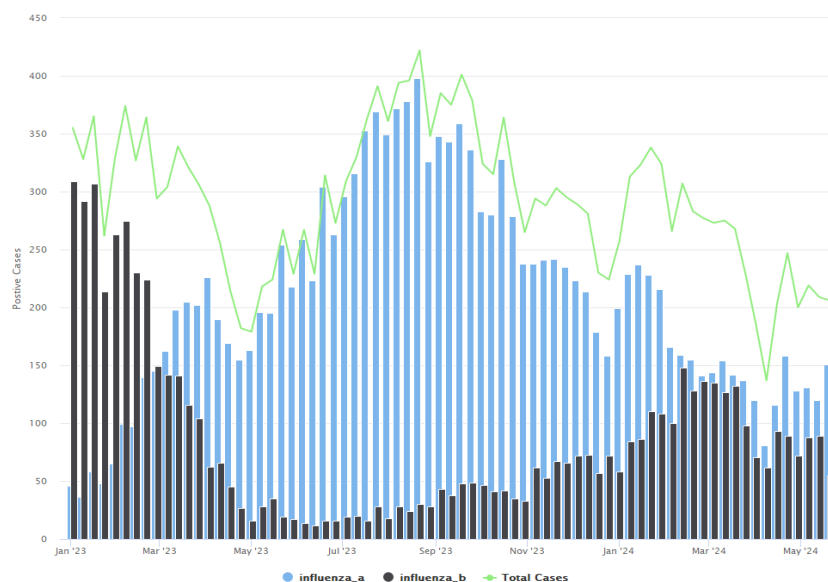
From January 1 to June 1, 2024



Source: [Worldometer](#), [WHO](#), and [Our World in Data](#), accessed on June 4, 2024

Trends of Influenza Confirmed Cases in the ASEAN region

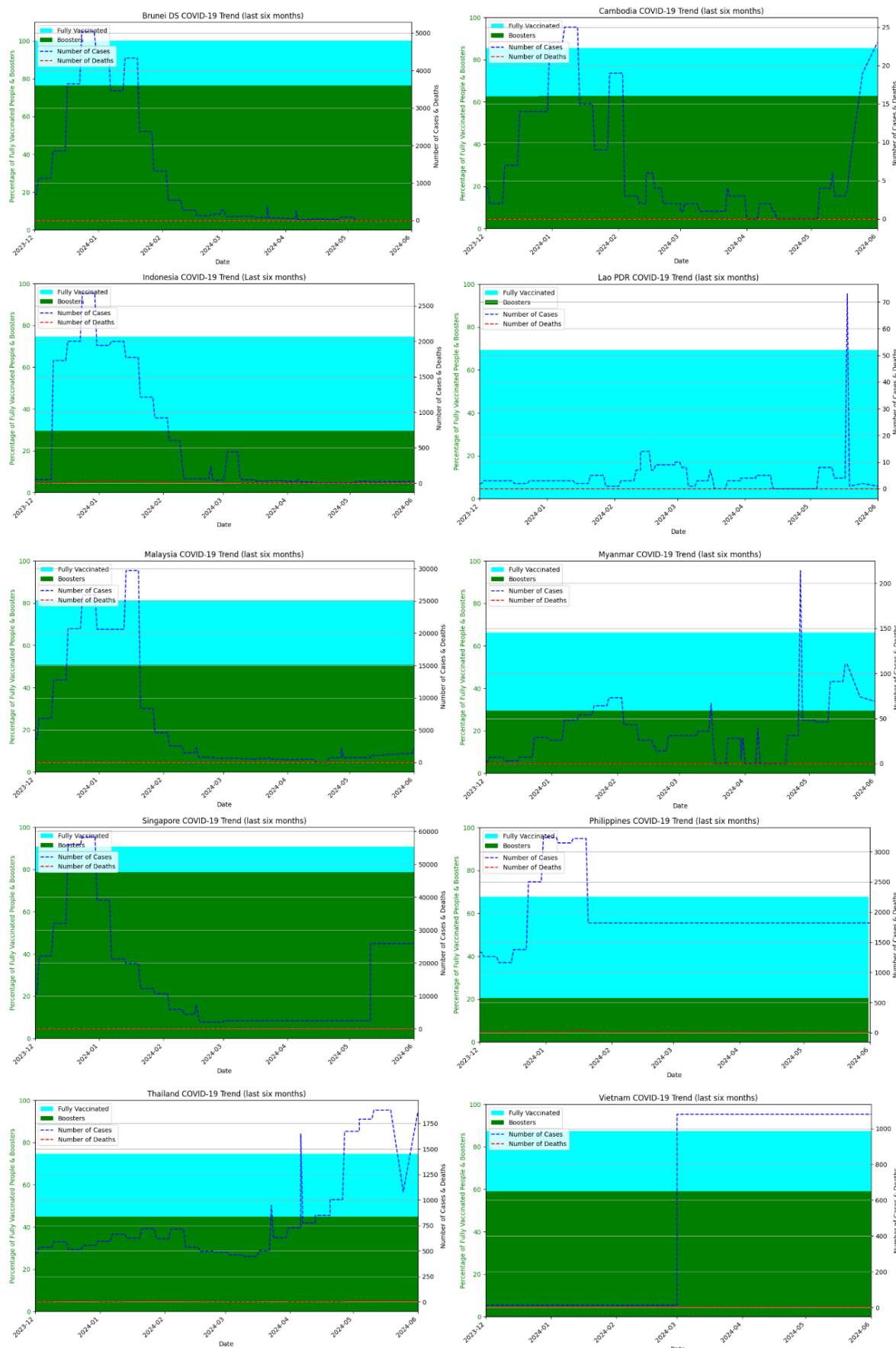
From January 1 to June 1, 2024



Source: FluNet, accessed on June 4, 2024 (<https://www.who.int/tools/fluNet>)

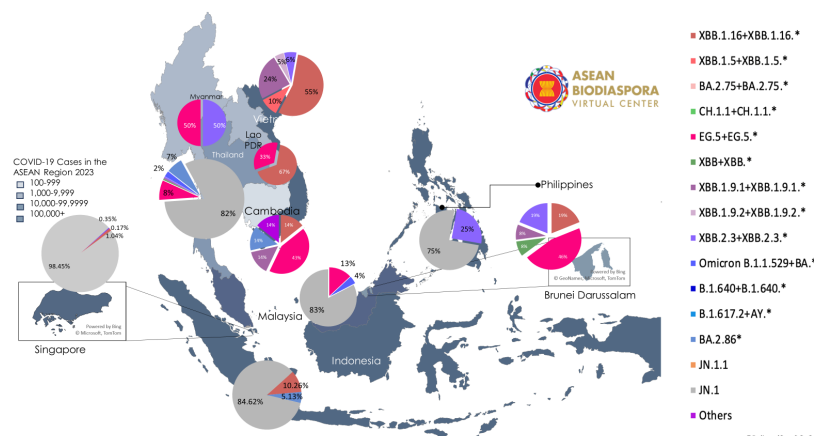
Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS

From December 1, 2023 to June 1, 2024

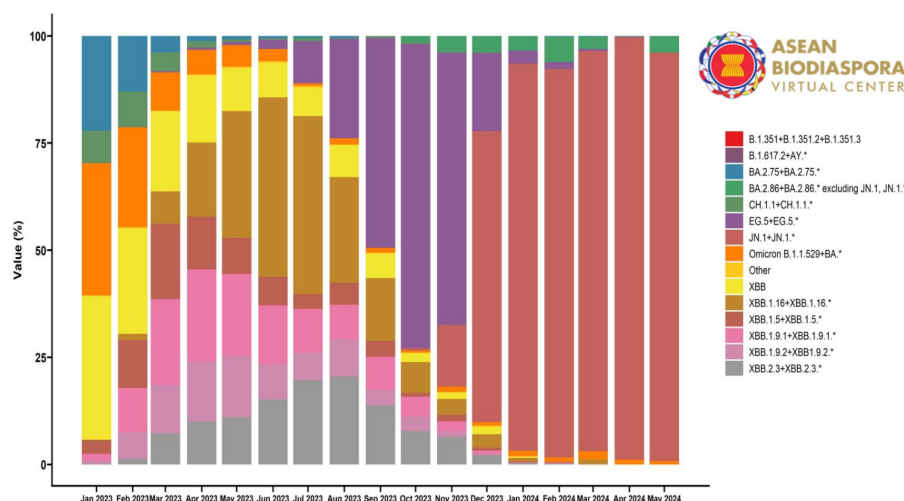


Source: AMS Official Sources, [Worldometer](#), [Our World In Data](#), and [WHO](#), accessed on June 4, 2024

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

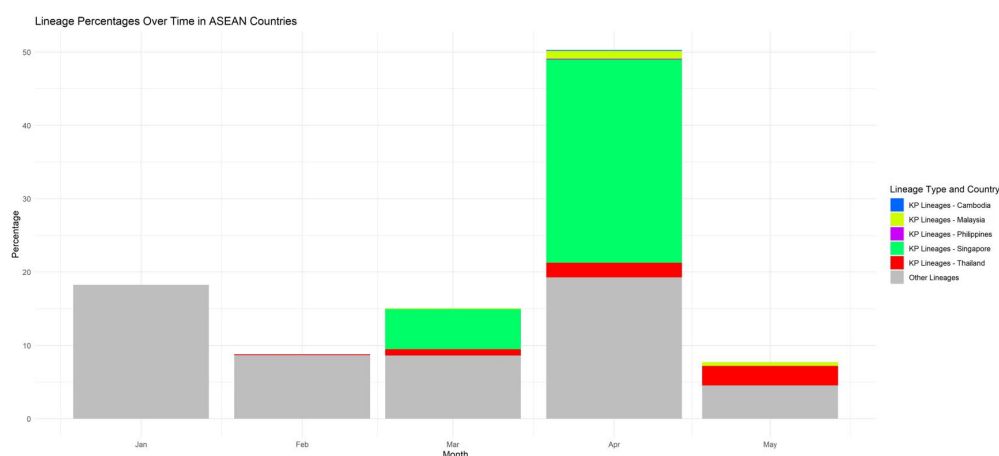


COVID-19 Variants Frequencies in the ASEAN Region From January 2023 to May 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed on June 4, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

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

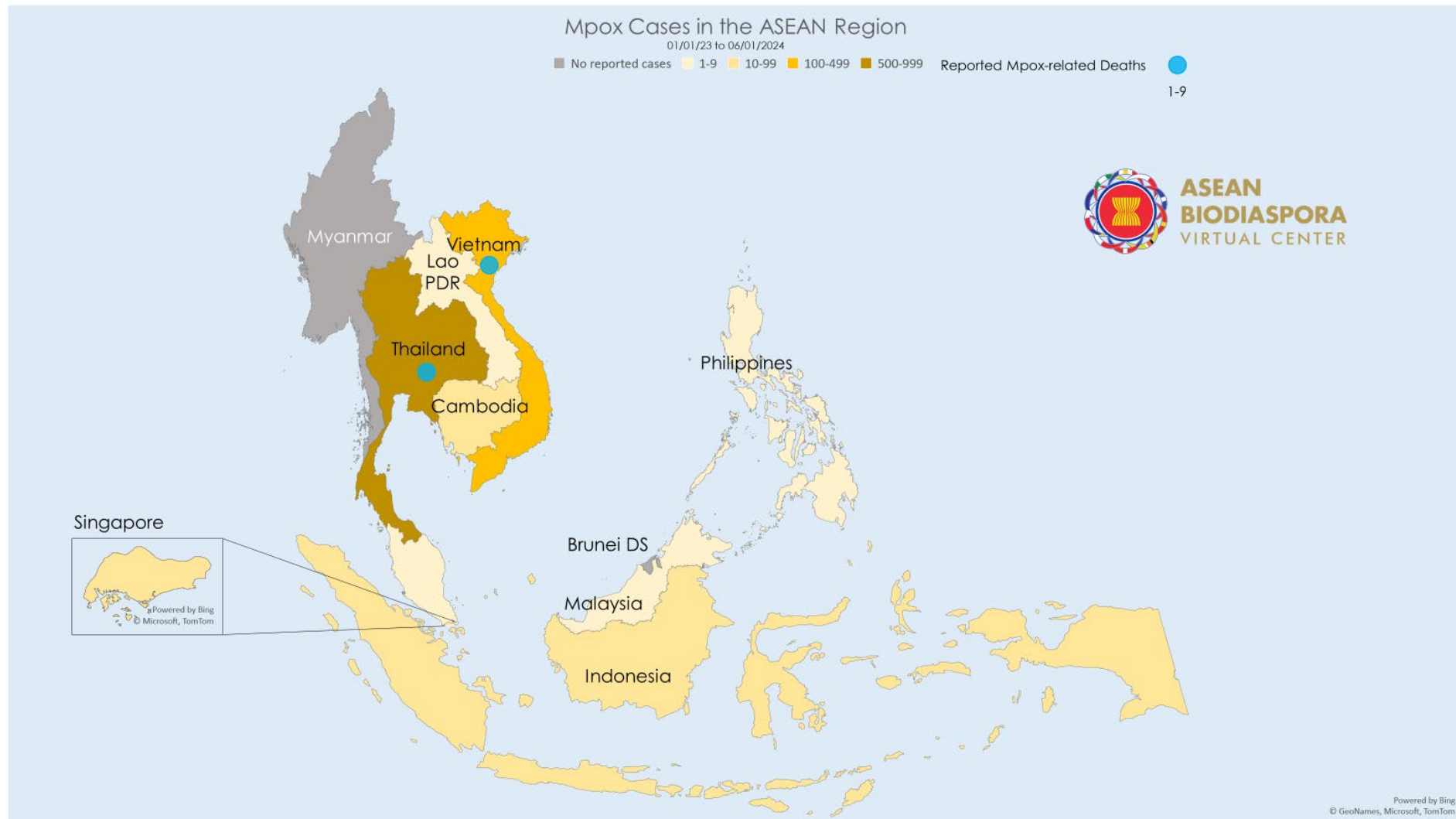


Source: GISAID. "hCoV-19 Variants Dashboard," accessed on June 4, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)



Mpox Cases Reported in the ASEAN Region

January 1, 2023 – June 1, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. Bluedot Platform, accessed on June 4, 2024 (<https://portal.bluedot.global/>)
3. Ministry of Health Singapore, accessed June 4, 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 1 June 2024, **14,339** confirmed cases worldwide since 2023, including **132** deaths. Globally, the CFR was **0.91%**.
- 1108 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 1, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
Cambodia ¹	13	0	0	0.00%
Indonesia ²	87	0	0	0.00%
Lao PDR ¹	1	0	0	0.00%
Malaysia ¹	9	0	0	0.00%
Philippines ¹	5	0	0	0.00%
Singapore ³	40	0	0	0.00%
Thailand ¹	762	0	1	0.13%
Vietnam ¹	191	0	8	4.19%
ASEAN Total	1108	0	9	0.81%

Source:

1. Bluedot Platform, accessed on June 4, 2024 (<https://portal.bluedot.global/>)
2. Ministry of Health Republic of Indonesia
3. Ministry of Health Singapore, accessed on June 4, 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 1, 2024)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
United States of America	2,660	359	9	0.34%
People's Republic of China	2,353	52	1	0.04%
Democratic Republic of Congo	1,723	22	2	0.12%
Thailand	762	13	1	0.13%
Brazil	701	245	2	0.29%

Source: Our World in Data, accessed on June 4, 2024 (<https://ourworldindata.org/monkeypox>)

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

REGIONS	CUMULATIVE CASES	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	1,941	218	9	0.46%
AMERICAS	4,425	-	87	1.97%
ASEAN	1,108	37	9	0.81%
ASIA & OCEANIA	3,949	387	20	0.51%
EUROPE	1,551	108	5	0.32%
TOTAL	12,974	750	130	1.00%

Source: Our World in Data, accessed on June 4, 2024 (<https://ourworldindata.org/monkeypox>)

Media Monitoring for Emerging Diseases

Epidemiological Week 22 | May 26 – June 1, 2024

Global Situation for Emerging Diseases

COVID-19

- **Bangladesh** reported 42 more COVID-19 cases in the last 24 hours, with 928 samples tested, a 4.64% positivity rate (The Daily Observer, 2024). The country's total fatalities remained at 29,495, with 2,050,455 cases and 2,017,869 recoveries. [\[Full article\]](#)
- **Canada:** Two new variants of the Omicron virus, KP.2 and KP.3, have become the dominant strains in Canada, with 49.2% of COVID-19 cases involving one of these strains (Crowther, 2024). An infectious diseases specialist at Toronto General Hospital, predicts that these subvariants will cause predictable symptoms, with the impact of the virus varying based on individual factors. However, there is no indication that the subvariant has caused concern in the first few months. [\[Full article\]](#)
- **South Australia (SA)** has reported 1,906 new COVID-19 cases in the past week, with no new deaths notified to the Department for Health and Wellbeing (Mirage News, 2024). The total number of cases has been readjusted due to a reconfiguration of data. In the past week, 5,128 people received a PCR test, a 7% increase from the previous week. SA Health encourages everyone to stay updated with vaccinations and to have a plan with their general practitioner for PCR testing and antiviral treatments if symptoms develop. [\[Full article\]](#)
- **New Zealand:** The New Zealand Ministry reported 6,146 new cases of the COVID-19 virus and 19 deaths last week, a significant increase from the previous week's 3,922 cases. Hospitalizations were also up, with 35 people a day going to the hospital with the infection. One in three people are still contagious five days after testing positive. The government should continue funding booster shots, Rapid Antigen Tests (RATs), and anti-viral medication to maintain health and productivity. Prioritizing booster shots is important, as they activate parts of a person's immune system and prevent serious illness. [\[Full article\]](#)

Mpox

- **Australia:** Contact tracing is ongoing in Queensland after eight cases of mpox were recorded in May, marking the state's biggest cluster (Barton, 2024). The virus spreads through close contact with skin lesions, body fluids, respiratory droplets, or contaminated objects. High-risk groups, such as sex workers, are eligible for free vaccines. Mpox was first reported in Australia in May 2022 and was declared a public health emergency of international concern by the World Health Organisation. [\[Full article\]](#)
- The **United States (US):** Allegheny County has seen an increase in Mpox cases, a painful rash, enlarged lymph nodes, and fever (Rash, 2024). The county has 11 confirmed cases this year, with 10 reported in April. The two-dose vaccine helped curb cases, but it is crucial to ensure high-risk populations have the standard two-dose regimen. The disease primarily spreads between men having sex, with symptoms including rash, fever, chills, and headache. [\[Full article\]](#)

Regional Situation for Emerging Diseases

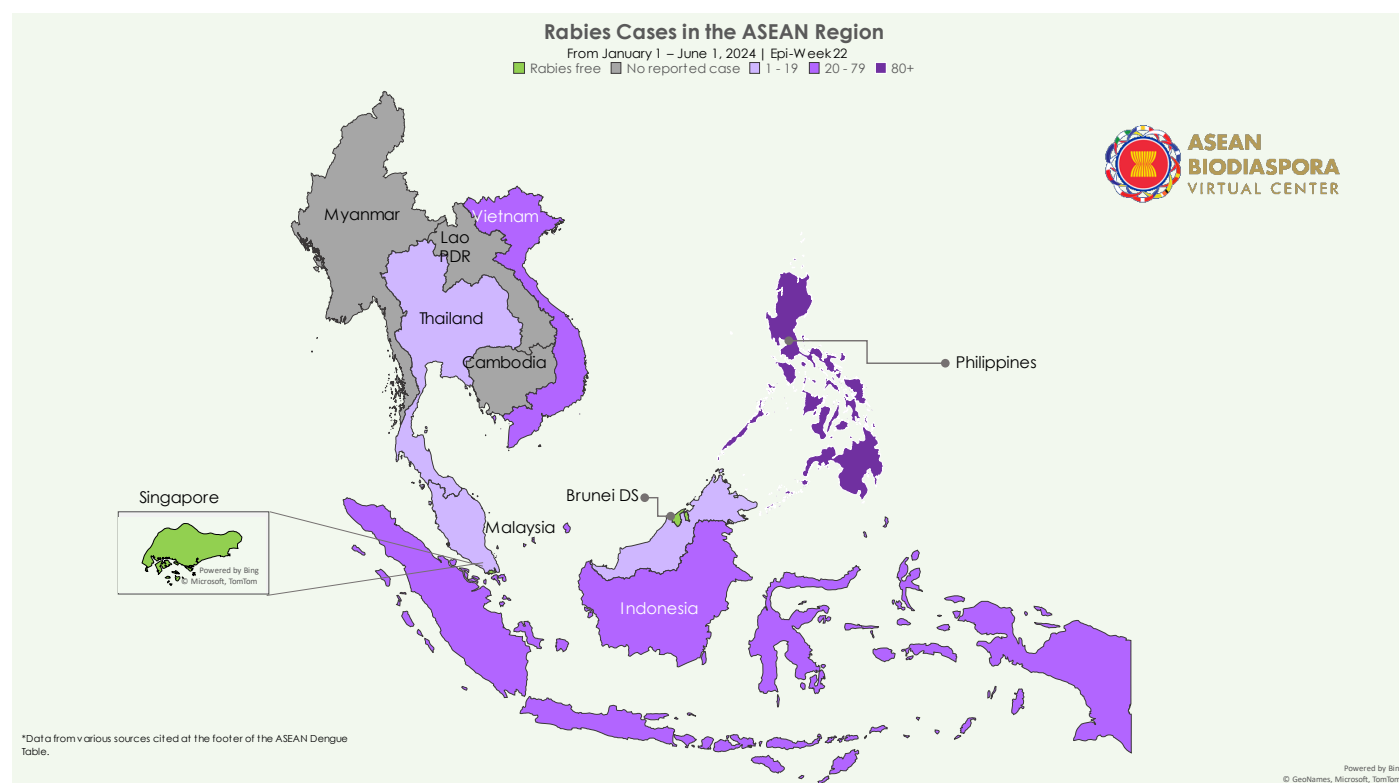
COVID-19

- **Singapore's** Minister for Health, has reported an increase in COVID-19 hospitalisations to around 280 (Abdullah, Z., 2024). To make vaccinations more convenient, mobile teams will be deployed at selected heartland locations until June 28. He urged residents, particularly seniors, to protect themselves by wearing masks or getting an additional dose of the vaccine. This comes amid a surge in COVID-19 infections due to the KP.1 and KP.2 sub-variants. [[Full article](#)]
- The **Philippines** remains low risk for COVID-19, despite an increase in cases in other countries caused by FlIRT variants, according to the Department of Health (DOH) (Locus, 2024). Latest data from the DOH showed the average number of daily reported coronavirus cases in the Philippines from May 14 to May 20 is 202—fewer than the 500 cases per day reported earlier this year and the 1,750 daily COVID-19 cases year-on- year. [[Full article](#)]

ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1 to June 1, 2024 (Epi-Week 22)



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 ¹	Week 21	37	-	37	100%
Lao PDR	-	-	-	-	-
Malaysia ²	Week 4	3	-	3	100%
Myanmar	-	-	-	-	-
Philippines ²	Week 14	89	-	89	100%
Singapore		Rabies-free country			
Thailand ³	Week 20	1	0	1	100%
Vietnam ²	Week 14	29	-	29	100%
Total		159	3	159	100%

1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed June 4, 2024 (<https://portal.bluedot.global/>)
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed June 4, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **NO** new rabies cases since the previous report. The region reported **159** total cases with **100%** CFR.

Media Monitoring for Zoonosis

Epidemiological Week 22 | May 26 – June 1, 2024

Global Situation for Zoonosis

Avian Influenza (H5N1)

- **The United States (US):** Michigan's Department of Health and Human Services (MDHHS) has reported an additional case of influenza A (H5) in a farmworker who worked with H5 positive cows (Wuth, 2024). The CDC emphasizes that the public's risk remains low, and the worker is recovering from respiratory symptoms. The state and local public health are monitoring for potential human cases, which can occur sporadically in individuals with close contact to infected animals. Michigan has led a swift public health response, with farmworkers reporting even mild symptoms and testing for the virus available. The Michigan Department of Agriculture and Rural Development (MDARD) is working closely with federal, state, and local partners to address human and animal health. MDHHS recommends seasonal flu vaccination for people working on poultry or dairy farms. [\[Full article\]](#)

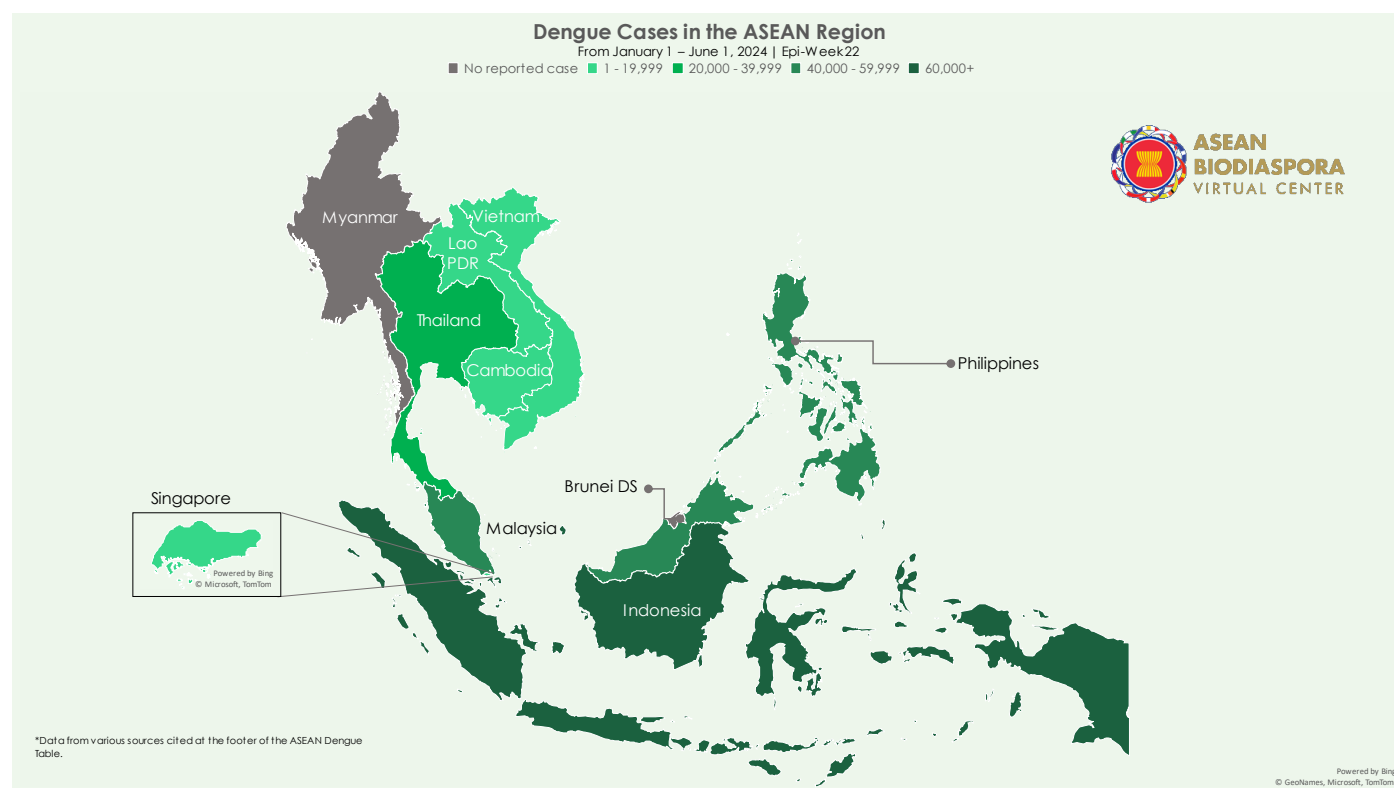
Avian Influenza (H5N6)

- **China:** A 52-year-old woman from Fujian province in China died from a fatal H5N6 avian flu infection, reportedly exposed to backyard poultry (Schnirring, L., 2024). The woman's symptoms began on April 13 and she was hospitalized on April 20, 2024. [\[Full article\]](#)

VECTOR-BORNE DISEASES

Dengue Cases in the ASEAN Region

From January 1 to June 1, 2024 (Epi-Week 22)



Dengue cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-
Cambodia¹	Week 19	5,584	233	20	1	0.36%
Indonesia^{2*}	Week 20	104,905	3,689	696	16	0.66%
Lao PDR¹	Week 20	2,925	369	0	-	0.00%
Malaysia³	Week 20	59,681	2,461	42	2	0.07%
Myanmar	-	-	-	-	-	-
Philippines⁴	Week 21	59,267	-	164	-	0.28%
Singapore^{5**}	Week 20	7,432	-	0	-	0.00%
Thailand^{6***}	Week 20	30,810	1,274	30	-	0.10%
Vietnam¹	Week 21	20,800	2,000	2	-	0.01%
Total		291,404	10,026	954	19	0.33%

1. WHO WPRO, "Dengue," World Health Organization, accessed June 4, 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 4, 2024, https://www.moh.gov.my/index.php/database_stores/store_view/17

4. Bluedot Developer Portal, accessed June 4, 2024, <https://developer-portal.bluedot.global/>.

5. Ministry of Health, "Weekly Infectious Disease Bulletin", accessed June 4, 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 4, 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.

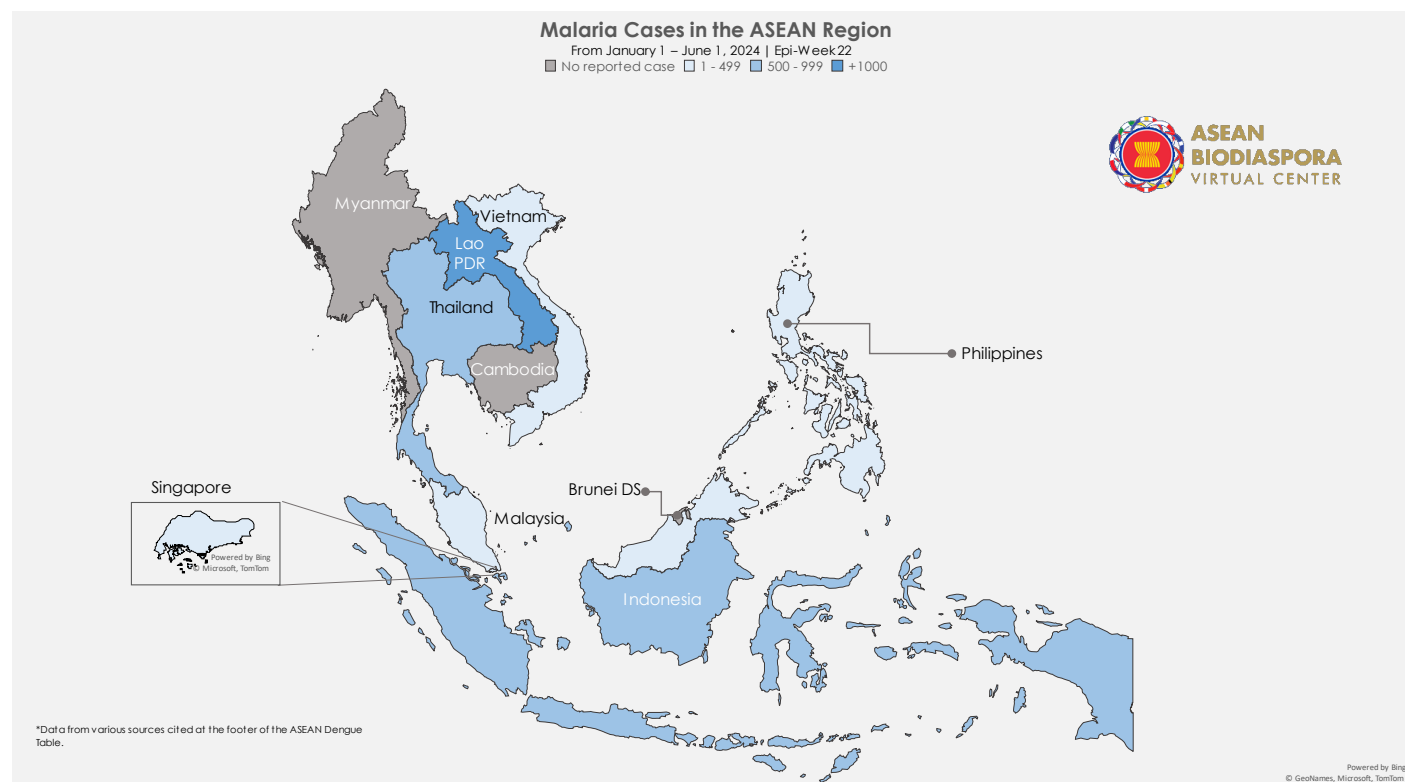
**Notified dengue cases only includes severe cases Dengue Hemorrhagic fever (DHF) and Dengue Shock Syndrome (DSS)

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

- The **ASEAN** region reported **10,026** new dengue cases since the previous report. The region reported **291,404** total cases with **0.33%** CFR.

Malaria Cases in the ASEAN Region

From January 1 to June 1, 2024 (Epi-Week 22)



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 ¹	Week 14	754	-	7	0.93%
Lao PDR ²	Week 21	3,509	60	3	0.09%
Malaysia ¹	Week 10	2	-	0	0.00%
Myanmar ¹	-	-	-	-	-
Philippines ¹	Week 6	2	-	0	0.00%
Singapore ³	Week 20	8	-	0	0.00%
Thailand ⁴	Week 20	1,080	182	0	0.00%
Vietnam ¹	Week 20	141	-	0	0.00%
Total		5,496	242	10	0.18%

1. Bluedot Platform, accessed June 4, 2024 (<https://portal.bluedot.global/>)
2. Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed June 4, 2024 (<https://www.facebook.com/CCEH.MoH.Lao/>)
3. Ministry of Health Singapore, accessed June 4, 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 4, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **242** new malaria cases since the previous report. The region reported **5,496** total cases with **0.20%** CFR.

Media Monitoring for Vector-borne Diseases

Epidemiological Week 22 | May 26 – June 1, 2024

Global Situation for Vector-borne Diseases

Dengue

- **Bangladesh:** Nineteen more people were hospitalized with dengue in Dhaka in 24 hours, with 134 currently receiving treatment (UNB, 2024). Since January 1, 2024, 2,745 cases have been reported, with September being the deadliest month with 396 fatalities and 79,598 cases. Last year, 1,705 people lost their lives due to dengue. [\[Full article\]](#)
- **France:** Dengue fever has reached record levels in metropolitan France since 2024, with 2,166 imported cases reported from January 1 to April 30, compared to 2,019 for 2023 (Thompson, 2024). This is more than 16 times the number of cases reported per year over the past five years. Most new cases were reported in people who had traveled to high-risk areas in the Antilles, where there is an epidemic in the Americas and Caribbean. From May 1 to 14, health authorities have been under "reinforced surveillance," resulting in 98 more cases of imported dengue identified. [\[Full article\]](#)
- **Nepal:** Reported dengue cases are on the rise, total of 904 dengue cases have been detected across 57 districts, according to the Chief of the Vector Control Section at the Ministry of Health and Population (Khabarhub, 2024). The risk has increased due to people collecting rainwater, breeding grounds for mosquitoes. [\[Full article\]](#)
- **Sri Lanka:** Dengue cases in Sri Lanka are increasing, particularly in Colombo, Gampaha, Ratnapura, Nuwara Eliya, Kalutara, Kandy, Galle, Kurunegala, and Kegalle districts (First, N., 2024). As of now, there have been 24,323 reported dengue cases in Sri Lanka this year. The Colombo district has reported the highest number of cases. Nine deaths have been attributed to dengue. [\[Full article\]](#)

Regional Situation for Vector-borne Diseases

Dengue

- **Cambodia** experienced a nearly 3,000 increase in dengue fever cases in the first 20 weeks of 2024 compared to the same period last year (Seangly, 2024). However, a recognized vaccine against the disease remains unavailable in Cambodia. The National Dengue Control Program (NDCP) reported 5,695 cases in the first 20 weeks of 2024, with only 3% of them being serious. The disease is still considered under control, but vaccines are not yet available for official use. The NDCP predicts over 40,000 cases in 2024, with over 10,000 cases expected. The last major outbreaks occurred in 2012 and 2018. [\[Full article\]](#)
- **Indonesia:** Dengue Hemorrhagic Fever (DHF) cases in Klaten District have reached 570, with 26 deaths as of 20th Sunday (Haq, 2024). The Health Department is working to clean mosquito larvae, with the highest number of positive cases found in Trucuk District. The majority of patients are under 11 years old, with the majority aged 35 and 55 years old. [\[Full article\]](#)

In the West Bandung District region three sub-districts contributed the most cases of dengue hemorrhagic fever (DHF) in 2024, with 369 cases reported in Cililin, 322 cases in Lembang, and 157 cases in Cipongkor (Kamaludin, 2024). Among them, 14 deaths were reported, 8 women and 6 men. In May 2024, dengue cases are expected to be lower than in the previous four months, with only 80 cases reported. [\[Full article\]](#)

- **Malaysia** has recorded 42 dengue fever deaths this year, compared to 28 in 2023 (Xinhua, 2024). The cumulative number of cases is 59,681, with Selangor state being the worst hit. Preventative measures are being implemented in schools to eradicate mosquito breeding spots. [\[Full article\]](#)
- The **Philippines**: The Iloilo Provincial Health Office (IPHO) reported 1,003 dengue cases from January 1 to May 25, the highest in the region, a 69.1% increase from last year (Castor, 2024). Clustering of cases was observed in nine barangays, with Lambunao leading with 72 cases. Children and young adults are the most affected demographics, with the 1-10 year age group having the highest number of cases. The IPHO urges the public to follow the Department of Health's improved 5S strategy, including self- protection, early consultation, and support for indoor and outdoor fogging or spraying. The provincial government is set to launch a "Limpyo Iloilo for MoRProGRes" clean-up drive on May 31. [\[Full article\]](#)
- **Vietnam**: The Lam Dong Provincial Department of Health reported an increase in dengue fever cases to 1,372 as of May 26, with a peak expected in June and July (Huhng, 2024). The province is also at risk of an outbreak in September. The Department of Health has requested the Provincial Center for Disease Control to strengthen inspection and support of units, and to maintain good environmental sanitation. [\[Full article\]](#)

Leptospirosis

- **Indonesia**: Leptospirosis cases in Sleman District are on the rise, with 19 cases reported and three deaths (Kurniawan & Junianto, 2024). The disease is linked to environmental cleanliness, with rat urine containing *Leptospira* bacteria being a common cause. The risk of leptospirosis is significant during the transition from the rainy season to the dry season, with the potential for disease spread being enormous. [\[Full article\]](#)

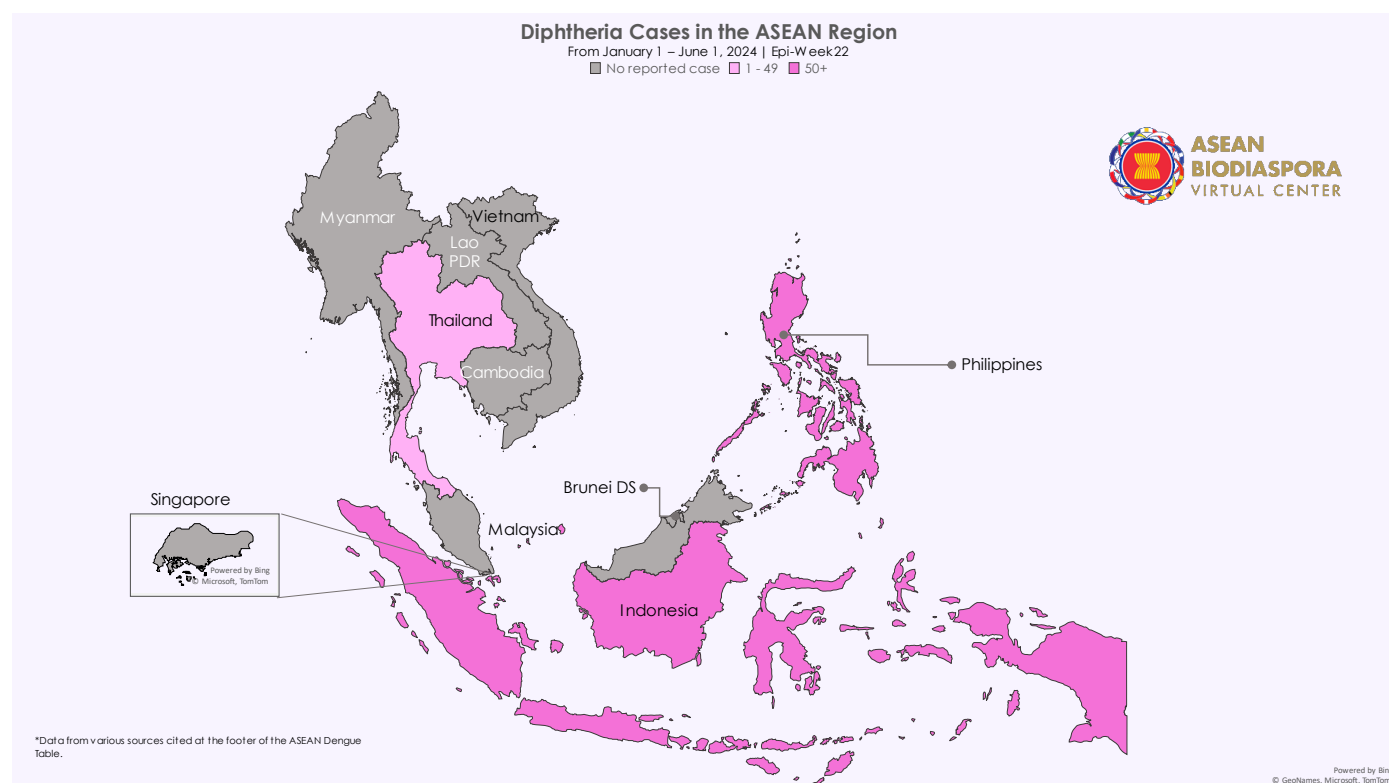
Melioidosis

- **Vietnam**: From 2014 to May 2024, Hue Central Hospital diagnosed about 267 cases of Whitmore (positive specimen culture for *Burkholderia pseudomallei* bacteria), with 50% coming from out-of-province areas (T. Thanh, 2024). In the first nine months of 2020, the hospital recorded only 11 patients, but in mid-November 2020, due to a major flood in Thua Thien Hue and the Central region provinces, 28 patients were recorded. [\[Full article\]](#)

VACCINE-PREVENTABLE DISEASES

Diphtheria Cases in the ASEAN Region

From January 1 to June 1, 2024 (Epi-Week 22)



Diphtheria cases in the ASEAN region

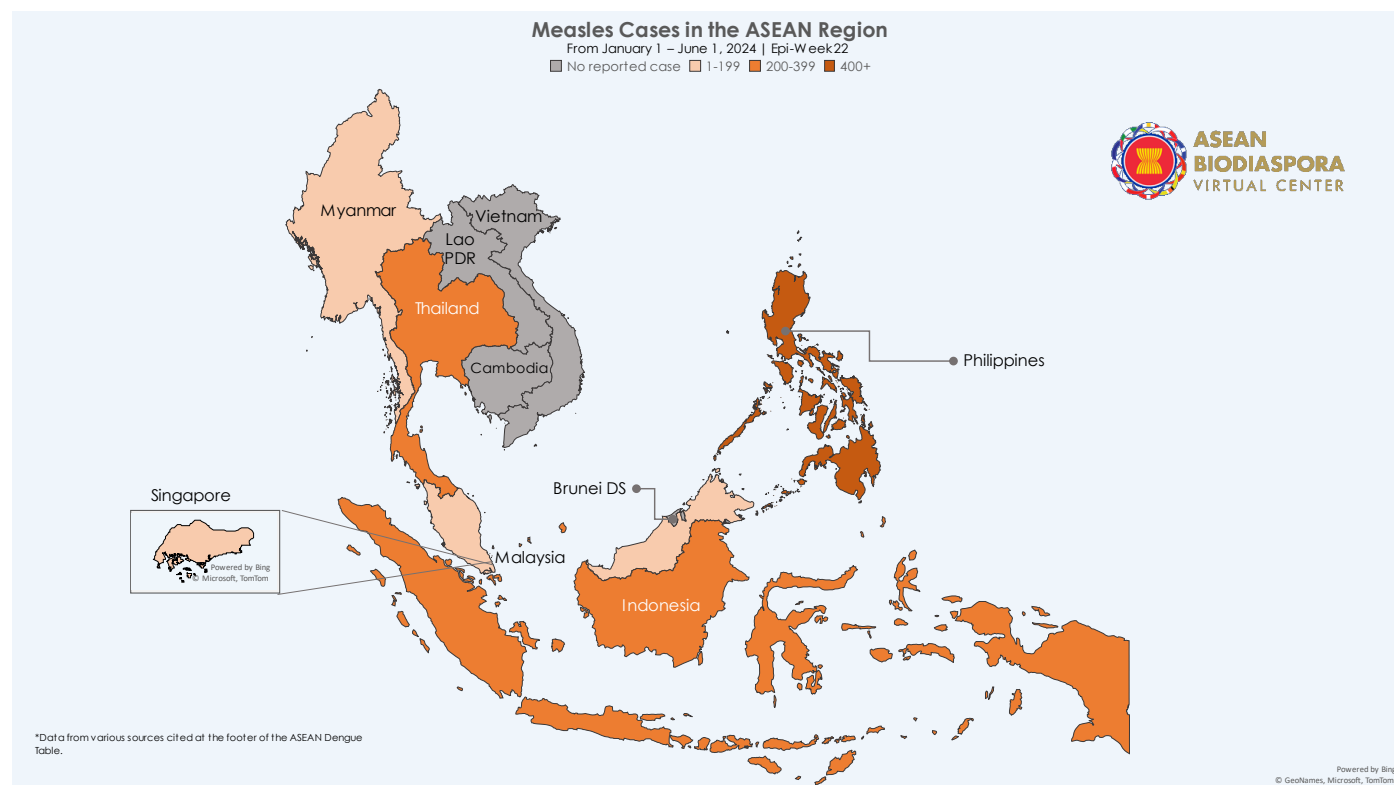
Country	Epi-Week Reported	Cumulative Diphtheria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 22	304	12	16	5.26%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 22	110	110	0	0%
Singapore ³	Week 20	0	-	0	0%
Thailand ⁴	Week 20	1	0	1	100%
Vietnam ⁵	-	-	-	-	-
Total		415	122	17	4.10%

1. Ministry of Health, Republic of Indonesia.
2. BlueDot Platform, accessed June 4, 2024 (<https://developer-portal.bluedot.global/>)
3. Ministry of Health Singapore, accessed June 4, 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 4, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The ASEAN region reported **122** new diphtheria cases since the previous report. The region reported **415** total cases with **4.10%** CFR.

Measles Cases in the ASEAN Region

From January 1 to June 1, 2024 (Epi-Week 22)



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	-	-	-	-	-
Indonesia ¹	Week 20	741	-	0	0%
Lao PDR	-	-	-	-	-
Malaysia ²	Week 11	34	-	0	0%
Myanmar ³	Week 22	19	19	0	0%
Philippines ²	Week 15	2,500	-	3	0.12%
Singapore ⁴	Week 20	8	-	0	0%
Thailand ⁵	Week 20	818	66	0	0%
Vietnam ²	Week 13	42	-	0	0%
Total		4,162	85	3	0.07%

- Ministry of Health, Republic of Indonesia
- Bluedot Platform, accessed June 4, 2024 (<https://developer-portal.bluedot.global/>)
- Provisional Measles and Rubella Data, World Health Organization, accessed June 4, 2024 (<https://immunizationdata.who.int/global?topic=Provisional-measles-and-rubella-data&location=>)
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- Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed June 4, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **85** new measles cases since the previous report. The region reported **4,162** total cases with **0.07%** CFR.

Media Monitoring for Vaccine-Preventable Diseases

Epidemiological Week 22 | May 26 – June 1, 2024

Global Situation for Vaccine-Preventable Diseases

Measles

- **Australia:** The Royal Australian College of General Practitioners has reported a rise in measles cases from returning travelers, with 35 cases recorded this year, the latest in Sydney (Schultz, A., 2024). Thirty-five cases of measles have been recorded across the country this year, compared with 26 last year. The latest case, confirmed in south-western Sydney on Tuesday, was detected in a child who had recently returned from the Middle East. [\[Full article\]](#)
- **Pakistan:** Three children in a family died in Khairpur due to measles, while four were in critical condition (News Desk, 2024). Nearly 200 children are affected, with severe shortages of medicines and poor sanitation. [\[Full article\]](#)

In Burewala measles outbreak has affected 13 children, who were admitted to Tehsil headquarters hospital (Ali, 2024). The Medical Superintendent urged parents to ensure their children receive the measles vaccine and bring them to the hospital for prompt treatment. [\[Full article\]](#)

- **Spain:** Tenerife has been declared a health warning due to a measles outbreak. Four people have been affected, including a young girl who has not been vaccinated (Boneham, I., 2024). The outbreak has the potential to spread rapidly. The Directorate General of Public Health has monitored over 400 contacts to ensure vaccination status and inform affected individuals of necessary measures. [\[Full article\]](#)
- The **United States (US):** Tulare County has confirmed the first adult case of measles in 2024, involving an international traveler (Houghton, 2024). Public Health officials are working to identify potential exposures, determine vaccination status, and assess the risk of spreading the disease. Those not infected or not vaccinated are at risk. [\[Full article\]](#)

Pertussis

- **Canada:** The Bas-Saint-Laurent Public Health Department has reported an increase in cases of whooping cough in the MRCs of Kamouraska and Rivière-du-Loup, with the disease expected to spread in the coming weeks (Radio-Canada, 2024). The infectious diseases coordinator urges parents to be vigilant and stay home if a child has a fever and consult a health professional if symptoms persist. The provincial government recommends vaccination, particularly for pregnant women, to protect their unborn baby. Over 900 cases have been reported across Quebec since 2024, with 42 cases in Bas-Saint-Laurent since January. [\[Full article\]](#)
- **Italy:** A whooping cough epidemic is affecting newborns in Italy, with an alarming increase in cases and hospitalizations (Tp24.it, 2024). Between January and May 2024, over 110 newborns were hospitalized, including 15 in intensive care. The Italian Society of Pediatrics has raised the alarm, with the European Center for Disease Prevention and Control (ECDC) estimating that in 2023, around 60,000 cases of whooping cough were in Europe. The most affected regions are Campania, Sicily, and Lazio. The disease is caused by *Bordetella pertussis* and is highly contagious. [\[Full article\]](#)

- **South Korea:** The number of whooping cough patients in Korea is rapidly increasing, with the 'doubling' phenomenon, where confirmed cases more than doubled every month, continuing (Jeong-ryeol, 2024). The medical community criticizes the government for its complacency in quarantine policies and calls for an epidemiological investigation to accurately determine the reason for the largest outbreak in 10 years and to re-establish vaccine policies. [[Full article](#)]
- The **United States (US):** Pertussis cases in Buncombe County and Henderson County are increasing, with five confirmed cases since late April (Sams, 2024). All affected individuals are children, and there is no direct connection to outbreaks elsewhere in Western North Carolina. Henderson County has 117 cases as of May 29 but no hospitalizations. Buncombe County Health and Human Services staff work to identify and notify those exposed to the infection, with parents, guardians, and close contacts notified by letter or phone call. Vaccination remains the best defense against pertussis, which can spread quickly in schools, workplaces, and healthcare settings. Symptoms resemble those of a common cold, with runny nose, low-grade fever, and occasional mild cough. Most deaths from whooping cough are among infants too young to be fully vaccinated. [[Full article](#)]

Poliomyelitis

- **Pakistan** has confirmed its third polio case of the year, raising concerns about the disease's prevalence (Ani, 2024). The latest victim, a 12-year-old girl from Kili Malak Haqdad, succumbed to the disease after experiencing fever, pain, and vomiting. Genetic sequencing revealed the virus's presence in the affected region, causing despair over efforts to contain its spread. [[Full article](#)]

Regional Situation for Vaccine-Preventable Diseases

Diphtheria

- The **Philippines:** Diphtheria cases have risen by 75%, with 110 reported as of May 4, compared to 63 last year. The highest number was recorded in Metro Manila, followed by Bangsamoro Autonomous Region in Muslim Mindanao (BARMM) and Central Luzon and Mimaropa. The DOH reported 14 deaths this year, with five deaths in BARMM, four in Metro Manila, and two in Ilocos. Pentavalent vaccines are recommended for prevention. [[Full article](#)]

Pertussis

- The **Philippines:** Pertussis deaths in Central Luzon have increased significantly since the start of the year, with Pampanga, including Angeles City, reporting the highest number of deaths at four (Arcellaz, 2024). DOH-3 urges the public to practice respiratory hygiene, wear masks, and get immunized. [[Full article](#)]

Media Monitoring for Other Diseases

Epidemiological Week 22 | May 26 – June 1, 2024

Regional Situation for Other Diseases

Hand, Foot, and Mouth Disease

- **Indonesia:** HFMD, a contagious infection, has been confirmed in Jember District, with 226 toddlers exposed to the virus (Saputra, 2024). The majority of HFMD patients are aged 0-4 years. The Health Office reported a significant increase in cases in 2024, particularly during weeks 16 to 20. The virus can be recovered with prompt and appropriate treatment. Early prevention involves keeping the environment clean, especially in children's playing areas, and washing hands and feet after playing. [\[Full article\]](#)



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

Epidemiological Week 21 | From January 1 to May 25, 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	705	0	0%	13	0	0%	-	-	-	5,584	20	0.36%
Indonesia	117,605	1,453	1.26%	87	0	0%	37	37	100%	104,905	696	0.66%
Lao PDR	1,459	87	6.55%	1	0	0%	-	-	-	2,925	0	0%
Malaysia	265,592	494	0.20%	9	0	0%	3	3	100%	59,681	42	0.07%
Myanmar	8,833	5	0.06%	-	-	-	-	-	-	-	-	-
Philippines	141,371	1,467	1.04%	5	0	0%	89	89	100%	59,267	164	0.28%
Singapore	819,481	313	0.04%	40	0	0%	Rabies-free Country			7,432	0	0%
Thailand	62,175	981	2.13%	762	1	0.13%	1	1	0%	30,810	30	0.10%
Vietnam	101,828	20	0.02%	191	8	4.19%	29	29	100%	20,800	2	0.01%
ASEAN Region	1,601,328	4,897	0.32%	1,108	9	0.81%	159	159	100%	291,404	954	0.33%

Infectious Diseases	Malaria			Measles			Diphtheria		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-	-	-	-
Indonesia	754	7	0.93%	741	0	0%	304	16	5.26%
Lao PDR	3,509	3	0.09	-	-	-	-	-	-
Malaysia	2	0	0%	34	0	0%	-	-	-
Myanmar	-	-	-	19	0	0%	-	-	-
Philippines	2	0	0%	2,500	3	0.12%	110	0	0%
Singapore	8	0	0%	8	0	0%	0	0	0%
Thailand	1,080	0	0%	818	0	0%	1	1	100%
Vietnam	141	0	0%	42	0	0%	-	-	-
ASEAN Region	5,496	10	0.18%	4,162	3	0.08%	415	17	4.08%

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