ASEAN Biodiaspora Virtual Center Morbidity and Mortality Weekly Report Infectious and Emerging Diseases



ASEAN REGION

June 12, 2024 | MMWR 2024-23 Epidemiological Week 23

With Support by:









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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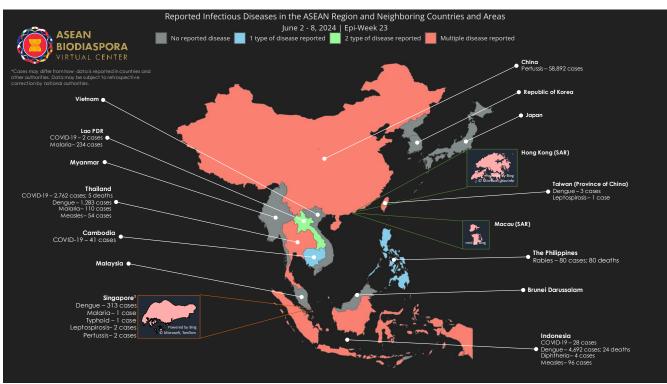


Key Findings

- The cases of hand, foot, and mouth diseases (HFMD) in AMS are still reported this week.
- Pertussis cases has been reported both in global (Canada, People's Republic of China, The United Kingdom, The United States of America, Spain, and Germany) and in the ASEAN region (Vietnam and 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 23 | June 2 - 8, 2024



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

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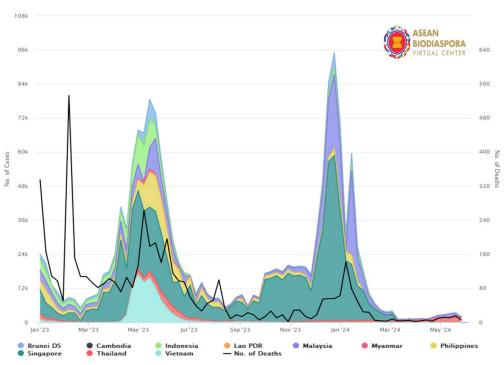
EMERGING DISEASES

COVID-19: Highlights and Situation Overview

- As of 08 June 2024 (5PM, GMT+7), there were **704,774,009** confirmed cases **worldwide**, including **7,010,742 deaths**. Globally, Case Fatality Rate (CFR) was **1.00%**.
- 37,018,421 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

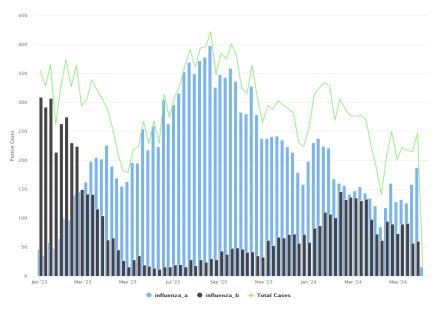
From January 1 to June 1, 2024



Source: Worldometer, WHO, and Our World in Data, accessed on June 11, 2024

Trends of Influenza Confirmed Cases in the ASEAN region

From January 1 to June 8, 2024



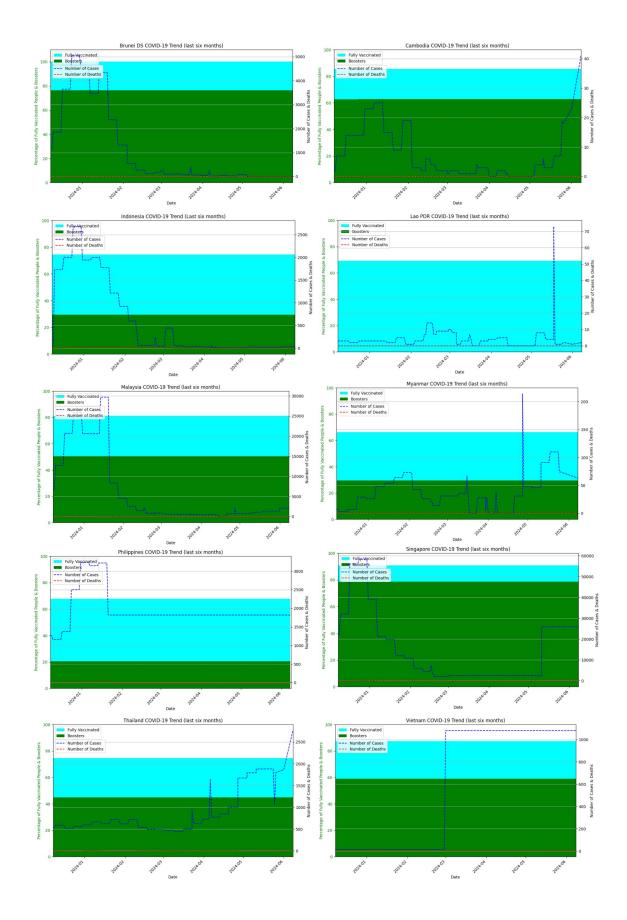
Source: FluNet, accessed on June 11, 2024 (https://www.who.int/tools/flunet)

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

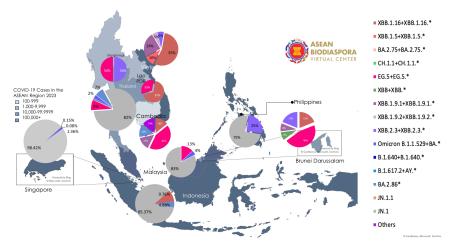
From December 8, 2023 to June 8, 2024



Source: AMS Official Sources, Worldometer, Our World In Data, and WHO, accessed on June 11, 2024



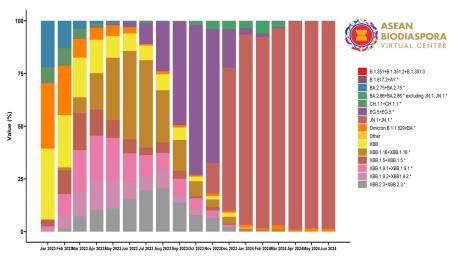
COVID-19 Variants Frequencies Among the ASEAN Member StatesIn June 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed on June 11, 2024 (https://gisaid.org/hcov-19-variants-dashboard/)

COVID-19 Variants Frequencies in the ASEAN Region

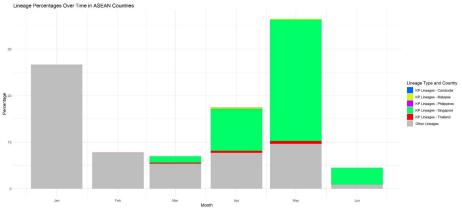
From January 2023 to June 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed on June 11, 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 11, 2024 (https://gisaid.org/hcov-19-variants-dashboard/)

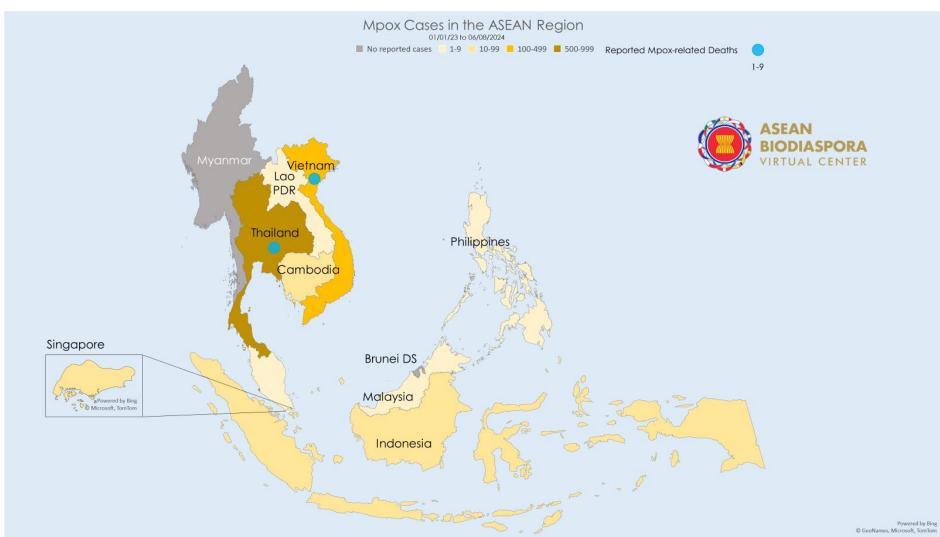
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Mpox Cases Reported in the ASEAN Region

January 1, 2023 - June 8, 2024



Source:

- 1. Ministry of Health Republic of Indonesia
- 2. Bluedot Platform, accessed on June 11, 2024 (https://portal.bluedot.global)
- 3. Ministry of Health Singapore, accessed June 11, 2024 (https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin)

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Mpox: Highlights and Situation Overview

- From 1 January 2023 to 8 June 2024, **14,339** confirmed cases worldwide since 2023, including **132** deaths. Globally, the CFR was **0.92%**.
- 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 8, 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%
Vietnam¹	191	0	8	4.19%
ASEAN Total	1108	0	9	0.81%

Source:

Top 5 countries with the most mpox cases globally (Jan. 1, 2023 to June 8, 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 11, 2024 (https://ourworldindata.org/monkeypox)

Mpox cases per region (Jan. 1, 2023 to June 8, 2024)

REGIONS	CUMULATIVE CASES	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	1,941	0	9	0.46%
AMERICAS	4,425	-	87	1.97%
ASEAN	1,108	0	9	0.81%
ASIA & OCEANIA	3,949	0	20	0.51%
EUROPE	1,551	0	5	0.32%
TOTAL	12,974	0	130	1.00%

Source: Our World in Data, accessed on June 11, 2024 (https://ourworldindata.org/monkeypox)

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Bluedot Platform, accessed on June 11, 2024 (https://portal.bluedot.global/)

^{2.} Ministry of Health Republic of Indonesia

^{3.} Ministry of Health Singapore, accessed on June 11, 2024, (https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-disease-sbulletin)



Media Monitoring for Emerging Diseases

Epidemiological Week 23 | June 2 - 8, 2024

Global Situation for Emerging Diseases

COVID-19

- **Bangladesh** reported 16 new COVID-19 cases in 24 hours, increasing its total caseload to 2,050,493 (Daily Sun, 2024). The official death toll remains at 29,495, with recovery and death rates at 98.41% and 1.44%, respectively. [Full article]
- Canada: Oakville reported an increase in daily cases in May, with Halton reporting an average of 25 new cases per week (Oakville News Staff, 2024). Halton Regional Health announced that public reporting of COVID-19 health metrics will be paused until the fall 2024 respiratory illness season. Two more outbreaks were resolved in the region, and 5% of adults are up to date on their vaccinations. Canada reports an increase in active cases and hospitalizations, while the CDC warns of a new variant from the JN.1 strain. [Full article]
- New Zealand has reported 6,142 new COVID-19 cases and one death in the past week, with Canterbury having the most active cases 738 (Rnz, 2024). The West Coast has the fewest new cases 17. [Full article]
- **South Australia (SA)** reported 2,429 new COVID-19 cases in the past week, with no new deaths reported (The National Tribune, 2024). The total number of cases has been readjusted due to data reconfiguration. In the past week, 7,193 people received a PCR test, a 30% increase from the previous week. SA Health encourages everyone to be up-to-date with vaccinations and to have a plan for PCR testing and antiviral treatments if symptoms develop. [Full article]
- The United States (US): Ohio has seen a significant increase in new COVID-19 cases, with 1,126 cases reported this week, compared to 890 the previous week (Washington, J, 2024). At least 1,369,911 Ohioans have received the updated vaccine, representing 11.7% of the state's population. [Full article]

Mpox

- Australia is experiencing a re-emergence of the infectious disease mpox, formerly known as mpox (Mirage News, 2024). 40 cases have been recorded so far in 2024, surpassing the total number recorded for 2023. Victoria reported 24 cases this year, while Queensland saw ten cases in May. All cases since 2022 have been in males, most commonly aged 30 to 39. [Full article]
- **South Africa** health officials have reported four confirmed monkeypox cases in two provinces, with the most affected being Durban, KwaZulu-Natal (Crisis24, 2024). The last identified cases were in August 2022. The Department of Health urges public contacts to present for clinical evaluation to ensure early diagnosis and treatment. Additional cases are expected as disease surveillance and contact tracing continue. [Full article]

Regional Situation for Emerging Diseases

COVID-19

• Malaysia are urged to take additional COVID-19 vaccines due to a surge in cases and the need for booster shots (Vethasalam, 2024). The vaccines offer protection for up to six months, but the stock of vaccines is uncertain. Health experts suggest that COVID-19 shots should be taken annually, similar to flu shots, to better protect against the mutating virus. As of June 2, there were 9,398 active COVID-19 cases with 142 hospitalizations. The World Health Organisation has classified KP.2 as a variant under monitoring. [Full article]

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• The **Philippines:** The Department of Health (DOH) reported a slow increase in mild COVID-19 cases, indicating that all regions remain at low-risk status (Montemayor, 2024). The average daily reported cases for the week of May 21 to 27 is 319, which is still less than half compared to the previous week's figure of 202. Only 14% of ICU beds dedicated for Covid-19 were occupied, and severe and critical cases accounted for 10% of total admissions. [Full article]

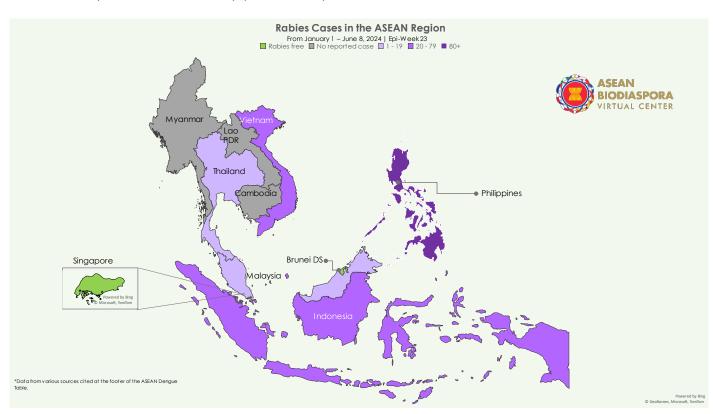
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ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1 to June 8, 2024 (Epi-Week 23)



Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Rabies Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
Brunei Darussalam		Ro	abies-free country		
Cambodia	-	-	-	-	-
Indonesia ¹	Week 21	37	-	37	100%
Lao PDR	-	-	-	-	
Malaysia ²	Week 4	3	-	3	100%
Myanmar	-	-	-	-	
Philippines ²	Week 22	169	80	169	100%
Singapore		F	Rabies-free countr	У	
Thailand ³	Week 21	1	0	1	100%
Vietnam ²	Week 14	29	-	29	100%
Total		239	80	239	100%

- Ministry of Health, Republic of Indonesia
- Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed June 11, 2024 (http://doe.moph.go.th/surdata/index.php)

The ASEAN region reported 80 new rabies cases since the previous report. The region reported 239 total cases with 100% CFR.



Media Monitoring for Zoonosis

Epidemiological Week 23 | June 2 - 8, 2024

Global Situation for Zoonosis

Avian Influenza (H5N2)

• **Mexico:** A fatal case of avian influenza A (H5N2) virus infection was reported in Mexico City, marking the first global case and the first in Mexico (WHO, 2024). The source of the infection is unknown, but A (H5N2) viruses have been reported in Mexico's poultry. The WHO assesses the risk to the general population as low. [Full article]

Rabies

- India: Ten out of 13 rabies victims in Kerala this year died without taking the anti-rabies vaccine, raising questions about the public response to health awareness schemes (Kumar, A.J., 2024). Out of 13 deaths, five had no history of animal bites or scratches, and three died from domestic dogs. The anti-rabies vaccination drive for pets, which was aggressively promoted in 2022, has been questioned due to the rise in rabies deaths in Kerala. [Full article]
- The **United States (US):** The Southwest Nebraska Public Health Department confirmed a positive rabies case in Keith County, involving only domestic animals (Johnsen, 2024). Rabies is a severe neurological disease spread through saliva and is classified as a medical emergency by the CDC. The best way to prevent rabies exposure is to ensure all pets, livestock, and horses are up-to-date with current vaccinations, as well as teach children about animal safety. [Full article]

Regional Situation for Zoonosis

Rabies

- Malaysia: Kuching South City Council Mayor reported six positive rabies cases this week (Sim, 2024). The incidents occurred in Mukah, Padawan, Bau, Kuching, Sri Aman, and Serian. [Full article]
- The **Philippines:** The Department of Health (DOH) has reported a 13% increase in human rabies cases from January to May 2023, with 169 cases reported (Cabalza, D., 2024). The highest number was in Region XII (Soccsksargen), followed by Regions IV-A and V (Bicol). 92% of cases had dog bites, and 160 deaths were reported, with the status of the remaining nine cases still being verified. [Full article]
- **Vietnam:** The People's Committee of Đắk Nong Province is establishing a team to catch unleashed dogs and cats in public areas due to a dangerous rabies situation (VNS, 2024). The province has recorded one death and 16 cases of rabies infection. The committee requests the Department of Health to increase vaccination points, provide comprehensive guidance, and manage household numbers. The province's Department of Agriculture and Rural Development encourages people raising dogs and cats to register with local authorities and raise public awareness to isolate cats and dogs with unusual symptoms and seek support from veterinary agencies. [Full article]

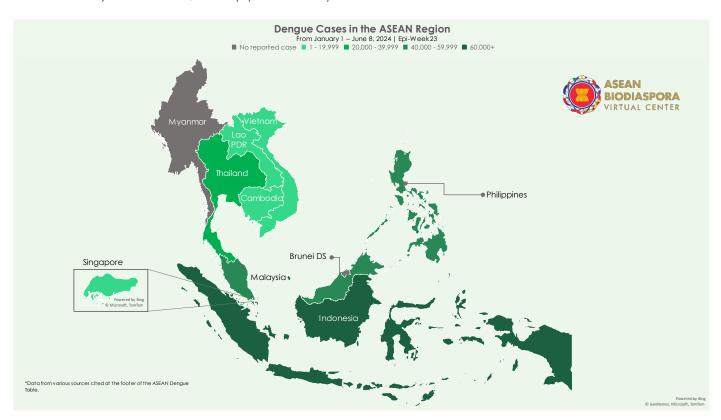
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VECTOR-BORNE DISEASES

Dengue Cases in the ASEAN Region

From January 1 to June 8, 2024 (Epi-Week 23)



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	-	-	-	-	-	-
Cambodia ¹	Week 19	5,584	-	20	-	0.36%
Indonesia ^{2*}	Week 21	109,597	4,692	720	24	0.66%
Lao PDR ¹	Week 20	2,925	-	0	-	0.00%
Malaysia ³	Week 20	59,681	-	42	-	0.07%
Myanmar	-	-	-	-	-	-
Philippines ⁴	Week 21	59,267	-	164	-	0.28%
Singapore5**	Week 22	8,033	313	0	0	0.00%
Thailand ^{6***}	Week 21	32,093	1,283	30	0	0.10%
Vietnam ¹	Week 21	20,800	-	2	-	0.01%
Total		297,980	6,288	978	24	0.33%

- WHO WPRO, "Dengue," World Health Organization, accessed June 11, 2024 (https://www.who.int/westernpacific/emergencies/surveillance/dengue.
- Ministry of Health, Republic of Indonesia
 Disease Control Division, Ministry of Health Malaysia, accessed June 11, 2024, https://www.moh.gov.my/index.php/database_stores/store_view/17
- Bluedot Developer Portal, accessed June 11, 2024, https://developer-portal.bluedot.global/.
 Ministry of Health. "Weekly Infectious Disease Bulletin", accessed June 11, 2024. https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin
- Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed June 11, 2024, http://doe.moph.go.th/surdata/index.php
- Data were updated and collected from official sources, which may have a 2-8 weeks delay in reporting. Data must be interpreted cautiously.

The ASEAN region reported 6,288 new dengue cases since the previous report. The region reported 297,980 total cases with 0.33% CFR.

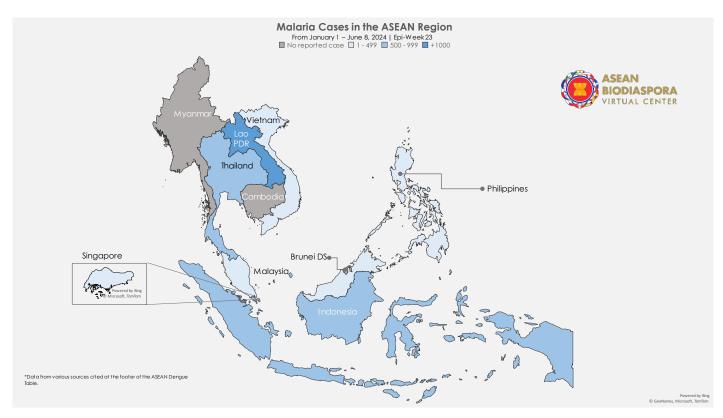
^{*}Notified dengue cases only includes severe cases Dengue Hemorrhagic fever (DHF) and Dengue Shock Syndrome (DSS)
**Notified dengue cases only includes Dengue Fever (DF) and DHF

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



Malaria Cases in the ASEAN Region

From January 1 to June 8, 2024 (Epi-Week 23)



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 23	3,743	234	3	0.08%
Malaysia ¹	Week 10	2	-	0	0.00%
Myanmar ¹	-	-	-	-	-
Philippines ¹	Week 6	2	-	0	0.00%
Singapore ³	Week 20	9	1	0	0.00%
Thailand4	Week 20	1,090	110	0	0.00%
Vietnam¹	Week 20	141	-	0	0.00%
Total		5,841	345	10	0.17%

- Bluedot Platform, accessed June 11, 2024 (https://portal.bluedot.global/)
 Centre of Information and Education for Health, Ministry of Health Lao PDR, accessed June 11, 2024 (https://www.facebook.com/CCEH.MoH.Lao/)
 Ministry of Health Singapore, accessed June 11, 2024 (<a href="https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-disease-statistics/2
- Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed June 11, 2024 (http://doe.moph.go.th/surdata/index.php)

The **ASEAN** region reported **345** new malaria cases since the previous report. The region reported 5,841 total cases with 0.17% CFR.



Media Monitoring for Vector-borne Diseases

Epidemiological Week 23 | June 2 - 8, 2024

Global Situation for Vector-borne Diseases

Chikungunya

• Maldives has been hit by a chikungunya outbreak, with 389 cases reported in the Malé and Hulhumalé regions (Herriman, 2024). The disease, caused by the chikungunya virus, is spread through mosquito bites and is most common in males. Symptoms include fever, joint pain, headache, muscle pain, joint swelling, or rash. Risk factors include newborns, older adults, and those with medical conditions. Death from chikungunya is rare, and the US CDC issued a travel notice for the Maldives. [Full article]

Dengue

- **Bangladesh:** The Directorate General of Health Services reported 35 dengue patients hospitalized in the last 24 hours, with nine in Dhaka and others in other hospitals (BanglaNews24.com, 2024). This year, the total number of cases reached 2,960, with 36 deaths reported. Out of the total cases, 2,800 have been recovered. [Full article]
- **Italy:** Two Dengue cases were reported in Trieste between June 3 and 4, 2024, following a trip to an endemic area (ANSA, 2024). No other passengers are at risk. An inspection and national and international protocols have been activated to limit the spread of the disease. [Full article]
- Pakistan has reported 2,795 new dengue cases in the past week, primarily in Baluchistan, Punjab, Sindh, and Khyber Pakhtunkhwa (Report, 2024). The virus, transmitted by female mosquitoes, has been increasing rapidly due to rising temperatures. No cases were reported in Gilgit Baltistan and Islamabad. [Full article]
- **Sri Lanka:** Health departments warn of a surge in dengue cases due to rain, urging residents to eliminate mosquito breeding grounds (ProMED, 2024a). Sri Lanka has reported 24,815 cases and 9 deaths in 2024. [Full article]
- Taiwan (Province of China): The Tainan City Government has reported 283 cases of invasive mosquitoes since April 1, and the city is working to prevent and control the disease by removing breeding sources (Suhui, 2024). The hot climate and continuous rainfall have led to increased breeding opportunities for vector mosquitoes. As of June 5, 2024, 97 imported cases in China have been reported, with a higher number than the 42 cases in the same period. There is currently no special vaccine for dengue fever, but preventing overseas immigration and removing breeding sources in the community are ways to prevent the spread. [Full article]

Leptospirosis

 India: Rain and waterlogging in Kerala have significantly impacted lives, cases of a disease called leptospirosis are increasing rapidly in some districts of Kerala (ProMED, 2024b). According to reports, 41 people have died due to leptospirosis in the state so far. [Full article]

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Regional Situation for Vector-borne Diseases

Dengue

- Indonesia: The trend of dengue fever cases in Indonesia is showing a significant increase in 2024, with 91,269 cases reported up to May 2024, with 641 deaths (Koto, 2024). This triples from the 29,822 cases and 227 deaths in 2023, as per data from the Ministry of Health of the Republic of Indonesia. [Full article]
 - In Klaten District, Central Java, Dengue hemorrhagic fever (DHF) cases have surged to 633 cases and 27 deaths as of the 21st week of 2024 (Meilikhah, 2024). The increase is uncontrolled, with 63 cases and one death in the last week. The Klaten Health Service's Head of Disease Prevention and Control, urges increased prevention and control efforts, including the elimination of mosquito nests and the role of larva monitors. [Full article]
- **Thailand** reported 623 new dengue cases in week 20 compared to 745 in week 19 (Fundación iO, 2024). As of May 23, there were 29,536 cases, 32 deaths, and one new dengue death, a 19.6% decrease from the previous week. [Full article]
- The **Philippines:** The Iloilo Provincial Health Office (IPHO) reported two dengue deaths in Barangay Odiongan, Badiangan, a town with 40 dengue cases as of June 1, a 900% increase from last year (Daily Guardian, 2024). The local government declared a dengue outbreak on May 31. The province currently has 1,047 cases and four confirmed deaths, with children and young adults being the most affected. The IPHO has reminded the public to follow the Department of Health's improved 5S strategy, including self- protection, early consultation, and hydration support. [Full article]

Malaria

- Indonesia: The Aceh Singkil District Government has declared an for malaria since 16 May 2024 (Munthe, 2024). The disease has spread from its initial outbreak in Pulau Banyak Barat sub-district and has now spread to two other sub-districts. The Aceh Singkil District Health Service recorded at least 33 cases of malaria from April to May 2024, with 21 cases in Pulau Banyak District, ten in Pulau Banyak Barat sub-district, one case in North Singkil District, and one in Kuala Baru District. The spread of malaria was initially discovered by a tourist visiting Pulau Banyak. The government urges residents to be alert and maintain a clean environment, use mosquito nets, and use mosquito-preventive tools. [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 (Hu'ohg, 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]

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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]

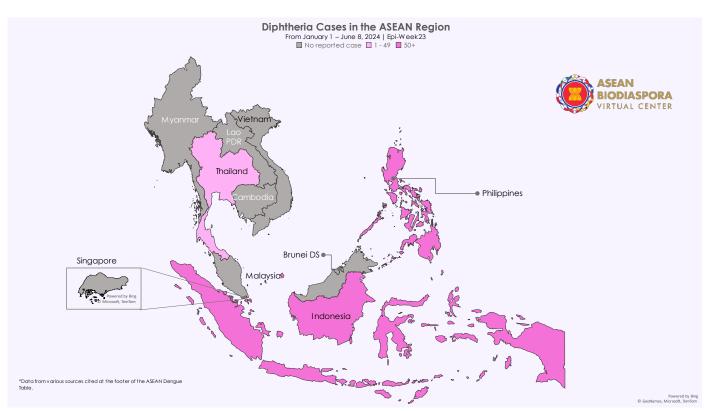
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VACCINE-PREVENTABLE DISEASES

Diphtheria Cases in the ASEAN Region

From January 1 to June 8, 2024 (Epi-Week 23)



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 23	308	4	16	5.19%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 22	110	-	0	0%
Singapore ³	Week 22	0	0	0	0%
Thailand ⁴	Week 21	1	0	1	100%
Vietnam ⁵	-	-	-	-	-
Total		419	4	17	4.06%

Ministry of Health, Republic of Indonesia. BlueDot Platform, accessed June 11, 2024 (https://developer-portal.bluedot.global/)

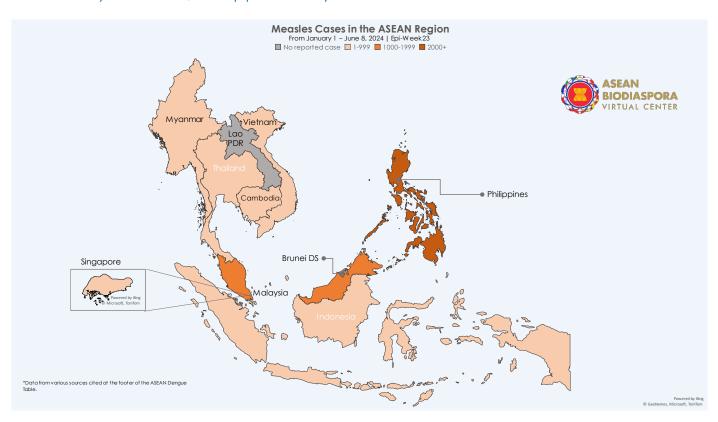
The ASEAN region reported 419 new diphtheria cases since the previous report. The region reported 4 total cases with 4.06% CFR.

Ministry of Health Singapore, accessed June 11, 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 11, 2024 (http://doe.moph.go.th/surdata/index.php)



Measles Cases in the ASEAN Region

From January 1 to June 8, 2024 (Epi-Week 23)



Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia ¹	Week 18	4	-	0	0%
Indonesia ²	Week 23	933	96	0	0%
Lao PDR	-	-	-	-	-
Malaysia ¹	Week 14	1,490	-	0	0%
Myanmar ¹	Week 22	19	-	0	0%
Philippines ³	Week 12	2,500	-	3	0.12%
Singapore ⁴	Week 22	8	0	0	0%
Thailand ⁵	Week 21	872	54	0	0%
Vietnam³	Week 13	42	-	0	0%
Total		5,868	150	3	0.05%

Provisional Measles and Rubella Data, World Health Organization, accessed June 11, 2024 (https://immunizationdata.who.int/global?topic=Provisional-measles-and-

Ministry of Health, Republic of Indonesia
Bluedot Platform, accessed June 11, 2024 (https://developer-portal.bluedot.global/)

Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed June 11, 2024 (http://doe.moph.go.th/surdata/index.php)

The **ASEAN** region reported **150** new measles cases since the previous report. The region reported 5,868 total cases with 0.05% CFR.

Ministry of Health Singapore, accessed June 11, 2024, [https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-dise



Media Monitoring for Vaccine-Preventable Diseases

Epidemiological Week 23 | June 2 – 8, 2024

Global Situation for Vaccine-Preventable Diseases

Measles

- Italy: Measles cases in Italy have increased significantly, with Lazio recording the most cases since January (Vano, 2024). The disease affects not only children but also elderly, 60-year-olds, 30-year-olds, and children aged 5-6. Sicily ranks with 75 positive cases and Emilia-Romagna with 48. Lazio represents over a quarter of all cases registered in Italy, accounting for approximately 28%. The Roma two local health authority has reported several outbreaks, with four being "family" outbreaks. Head of the Emergency and Admissions and General Pediatrics department, warns that the number of cases is expected to grow, with the risk of infections getting out of control. [Full article]
- **Pakistan:** Punjab's Minister for Primary and Secondary Healthcare, has blamed the department's failure for unvaccinated measles cases (The News International, 2024). He reported 286 cases in a week, 18 deaths, and 3,143 cases in the current year. Between 2011 and 2017, 87% of children were vaccinated against 12 diseases due to 'Shehbaz Speed'. By 2022, only 68% of children were immunized. [Full article]
- The United States (US): A confirmed measles case has been reported in Somerset County, New Jersey, following travel from a country experiencing an ongoing outbreak (English, 2024). The case was reported by a resident who developed the virus after visiting the Emergency Department at Penn Medicine Princeton Medical Center on June 1. The New Jersey Department of Health is conducting contact tracing and recommends that those who visited the location should contact a healthcare provider immediately. The New Jersey Department of Health is working with local health officials and Penn Medicine to notify those who might have been exposed and identify additional exposures. [Full article]

Pertussis

- Canada: Quebec is experiencing a rise in whooping cough cases, particularly among teenagers and school-aged children (Spector, 2024). The disease, also known as the "100-day cough," starts with cold symptoms but can lead to further complications. The most cases are in the Chaudière-Apalachees and Estrie regions, with Montreal having 57 confirmed cases since the start of the year. The last flare-up in Quebec was in 2019, with 1,269 cases. The spread is not as rampant in Quebec as in Europe, but the last time the disease flared up in Quebec was in 2019. The cause is believed to be dips in vaccination rates for many pediatric illnesses, particularly during COVID-19, and the difficulty many people have accessing the health system without a family doctor. [Full article]
- **Germany:** The number of whooping cough cases in Hamburg and Schleswig-Holstein is now slightly rising. In Hamburg, 87 cases have been reported this year, while in Schleswig-Holstein, 284 cases have been registered since March (Welt, 2024). The Robert Koch Institute (RKI) reported around 4,500 cases in 2023, while in Schleswig-Holstein, 1,500 cases were reported. The disease often manifests in a long-lasting cough, but deaths are rare in Germany. Vaccination is recommended for newborns and booster vaccinations are important for adults. [Full article]

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- People's Republic of China has seen an increase in whooping cough cases since the start of the year (Agency, 2024). In April, the number of cases surged 83 times compared to the same period last year, reaching over 90,000 cases and seven deaths. The cumulative number of cases in the first four months of this year exceeded 150,000. The National Administration for Disease Control and Prevention and the National Health Commission jointly released the "Pertussis Prevention and Control Plan (2024 Edition)", proposing to include whooping cough within sentinel surveillance for acute respiratory infectious diseases in China. The plan allows students and faculty to return to school and work after 5 days of effective antibacterial treatment. The plan is China's first version of a prevention and control plan specifically targeting whooping cough. [Full article]
- Spain: The Health Department of Andalusia has reported over 1,800 cases of whooping cough in the first five months of 2024, a 390% increase from the previous year (Rodriguez, 2024). The majority of cases occur in babies aged three to eleven months, compared to those under three months. This trend has been observed since 2015, when vaccination against whooping cough was launched in pregnant women. Granada is the province with the highest number of cases, followed by Seville, Málaga, Jaén, Cádiz, Almería, Huelva, and Córdoba. The European Center for Disease Control (ECDC) warns of the high spread of whooping cough, with cases multiplying by ten and posing a great risk for children under six months. The childhood vaccination schedule in Andalusia includes the whooping cough vaccine, with coverage in the community in minors being almost 95% and in pregnant women exceeding 90%. Whooping Cough is an endemic disease in Europe, with larger epidemics expected every three to five years, especially after a period of limited circulation. [Full article]
- The **United Kingdom (UK)**: The UK Health Security Agency has reported over 2,800 cases of whooping cough in Scotland this year, with most cases being in the 10-14 age group (Summers & Ward, 2024). The NHS Greater Glasgow and Clyde, Lothian, and Grampian health board regions had the largest number of confirmed cases in the first quarter of 2024. The infection is a bacterial infection that spreads through coughs and sneezes and is most serious for young children and babies. Five babies have died from whooping cough in England since the start of the year, and the last whooping cough death recorded in Scotland was in 2015. [Full article]
- The **United States (US):** The Lexington-Fayette County Health Department has confirmed more cases of Pertussis (Staff, 2024). The health department says seven new cases of pertussis, also known as whooping cough, were confirmed last week, bringing the total number of cases since April 26 to 21. On May 20, the health department declared a pertussis outbreak in Fayette County. [Full article]

Regional Situation for Vaccine-Preventable Diseases

Pertussis

Vietnam: The number of pertussis cases recorded in Hanoi this week was 16 cases, an increase
of 14 cases compared to the previous week (Baomoi, 2024). Patients are distributed in 14
districts. Cumulatively in 2024, Hanoi recorded 98 cases in 25 districts, towns, and cities while
in the same periode in 2023 there were no cases. [Full article]

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Media Monitoring for Other Diseases

Epidemiological Week 23 | June 2 - 8, 2024

Global Situation for Viral Infection

Hand, Foot, and Mouth Disease

• The **United States (US):** Two boys in Texas have been infected with hand, foot, and mouth disease (HFMD), a virus that causes painful lesions in the mouth after playing in water parks (Andrews, 2024). The first case involved a one-year-old boy who was hospitalized with seizures and red lumps across his skin after catching the virus at a waterpark in the southern tip of the state. The second case involved a five-year-old boy who was left covered in painful red rashes and spots after going to a separate water park in San Antonio while on a school trip. Pediatricians are warning parents to be vigilant over the highly contagious disease, which tends to rise around early summer and fall months. [Full article]

Regional Situation for Other Diseases

Hand, Foot, and Mouth Disease

• **Vietnam:** The Department of Health in Ho Chi Minh City has reported an increase in cases of hand, foot, and mouth disease, particularly among preschool children (Anh, 2024). In the first 19 weeks of 2024, there were 13,495 cases in 20 southern provinces, an increase of 33.1% over 2023 and 55% over the average of the same period of five years. Hand, foot, and mouth disease is caused by enteroviruses, transmitted through the digestive tract, commonly found in young children. Symptoms can range from mild to severe, leading to death. The disease can occur all year round, with an increase from March to May and September to December every year. Currently, there is no vaccine to prevent hand, foot, and mouth disease in Vietnam. [Full article]

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

Epidemiological Week 23 | From January 1 to June 8, 2024

Infectious		COVID-19			Мрох			Rabies	3		Dengue	
Diseases	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%	-	-	-	Ra	bies-free C	Country	-	-	-
Cambodia	769	0	0%	13	0	0%	-	-	-	5,584	20	0.36%
Indonesia	117,659	1,453	1.26%	87	0	0%	37	37	100%	109,597	720	0.66%
Lao PDR	1,462	87	6.55%	1	0	0%	-	-	-	2,925	0	0%
Malaysia	267,704	494	0.20%	9	0	0%	3	3	100%	59,681	42	0.07%
Myanmar	8,902	5	0.06%	-	-	-	-	-	-	-	-	-
Philippines	141,371	1,467	1.04%	5	0	0%	169	169	100%	59,267	164	0.28%
Singapore	819,481	313	0.04%	40	0	0%	Rabi	es-free Co	ountry	8,033	0	0%
Thailand	66,800	992	2.15%	762	1	0.13%	1	1	0%	32,093	30	0.10%
Vietnam	101,828	20	0.02%	191	8	4.19%	29	29	100%	20,800	2	0.01%
ASEAN Region	1,608,255	4,908	0.32%	1,108	9	0.81%	239	239	100%	297,980	978	0.33%

Infectious		Malaria			Measles	Measles		Diphtheria	
Diseases	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	3,743	3	0.09	-	-	-	-	-	-
Malaysia	2	0	0%	1,490	0	0%	-	-	-
Myanmar	-	-	-	19	0	0%	-	-	-
Philippines	2	0	0%	2,500	3	0.12%	110	0	0%
Singapore	9	0	0%	8	0	0%	0	0	0%
Thailand	1,090	0	0%	872	0	0%	1	1	100%
Vietnam	141	0	0%	42	0	0%	-	-	-
ASEAN Region	5,841	10	0,17%	5,868	3	0.05%	419	17	4.06%

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