

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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Weekly Issue

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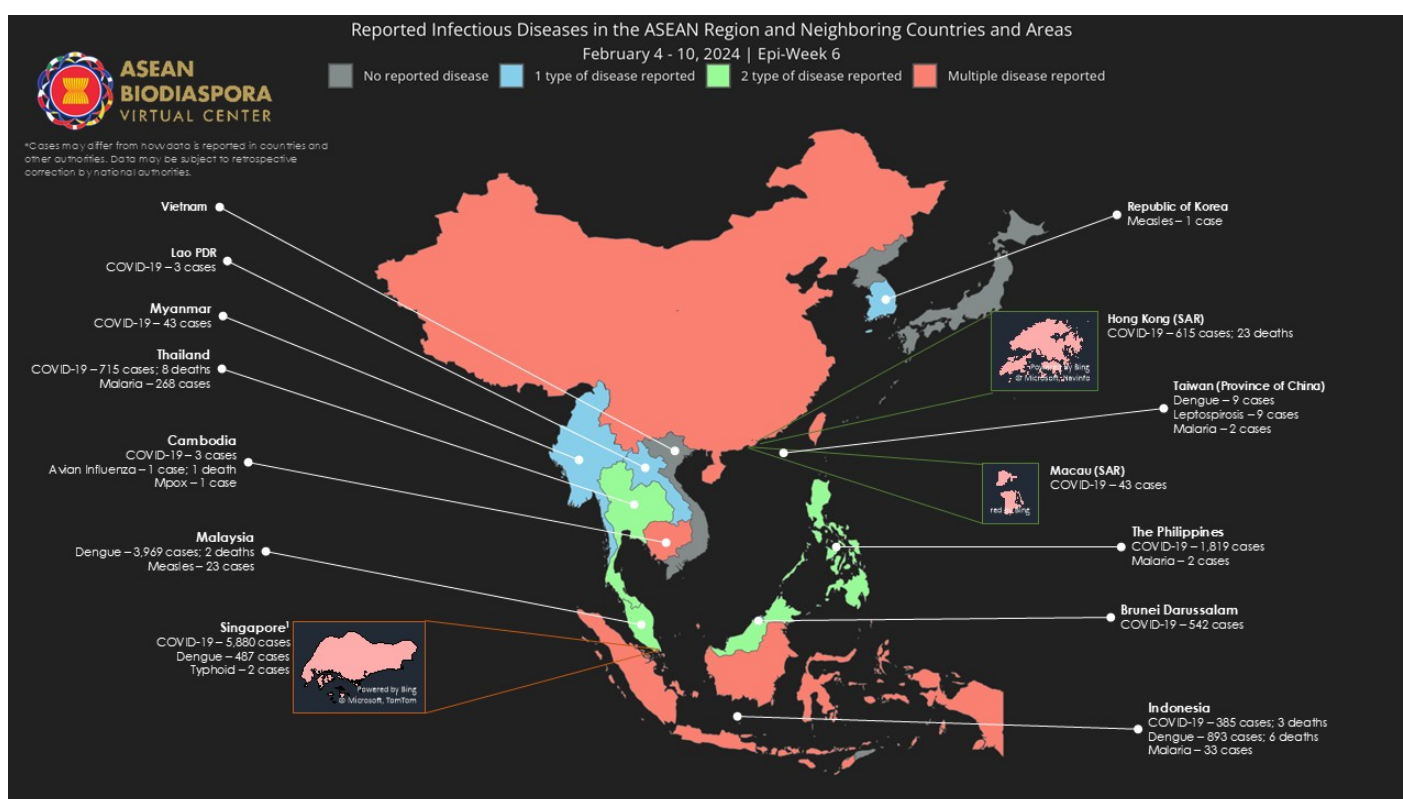
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Key Findings

- In recent months, trends of COVID-19 cases and deaths in the ASEAN region have gradually decreased.
- The **JN.1**, which is subtypes of **BA.2.86**, remains a dominant variant of interest spreading in the ASEAN region until February 2024.
- There are **one** mpox new case in the ASEAN region since last report.
- Dengue cases has increased by **5,349** since the last report. Meanwhile, **35** new malaria cases have been found since the last report for vector-borne diseases in the ASEAN region.
- There have been **23** new cases of measles since the last report of vaccine-preventable diseases in the ASEAN region.

Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 6 | January 28 – February 10, 2024



**The data was taken from the BlueDot Developer Portal, accessed February 13, 2024, <https://developer-portal.bluedot.global/>.

1. Ministry of Health Singapore, "Weekly Infectious Diseases Bulletin," Ministry of Health, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>.

EMERGING DISEASES

COVID-19: Highlights and Situation Overview

- As of 10 February 2024 (5PM, GMT+7), there were **703,004,317** confirmed cases **worldwide**, including **6,981,327 deaths**. Globally, Case Fatality Rate (CFR) was **0.99%**.
- 36,967,829 total confirmed cases** of COVID-19 have been reported in the **ASEAN Region**.
- The CFR in the **ASEAN Region** was **1.00%**.

COVID-19 cases in the ASEAN region since 2020

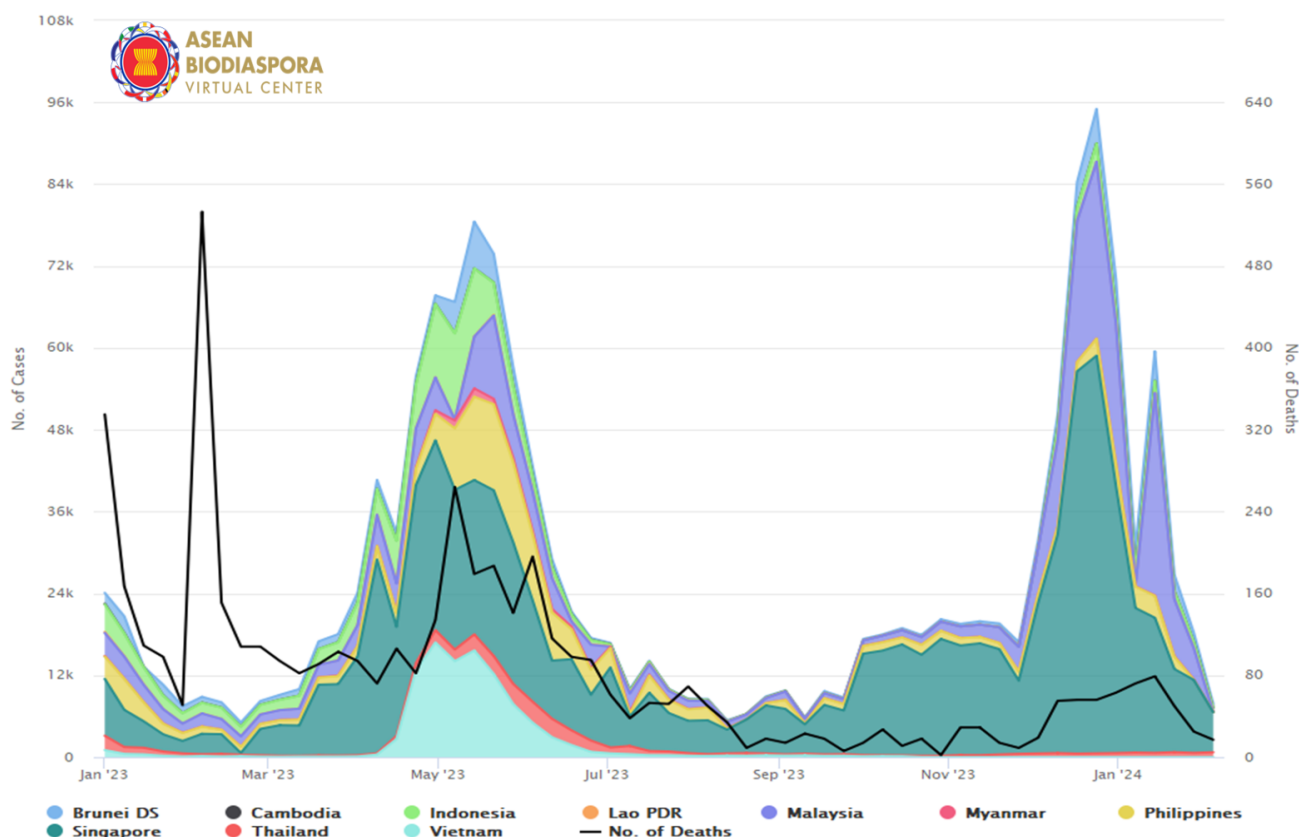
ASEAN MEMBER STATES	FIRST CONFIRMED CASES	LATEST REPORT ON CONFIRMED	CUMULATIVE CASES	CUMULATIVE CASES IN 2023	NEW CASES SINCE LAST REPORT	CUMULATIVE DEATHS	NEW DEATHS SINCE LAST REPORT	CUMULATIVE CASES/ 100,000
Brunei Darussalam	10-Mar-20	4-Feb-24	342,802	81,362	542	225	0	76,960
Cambodia	27-Jan-20	1-Feb-24	139,085	647	3	3,056	0	810
Indonesia	02-Mar-20	4-Feb-24	6,828,268	116,565	385	162,054	3	2,446
Lao PDR	24-Mar-20	3-Feb-24	218,917	1,331	3	758	0	2,926
Malaysia	25-Jan-20	29-Jan-24	5,272,517	253,117	0	37,347	0	15,890
Myanmar	23-Mar-20	4-Feb-24	641,730	8,155	43	19,495	0	1,162
Philippines	30-Jan-20	12-Jan-24	4,140,383	141,371	0	66,864	0	3,680
Singapore	23-Jan-20	4-Feb-24	2,994,295	807,621	5,880	1,954	0	50,379
Thailand	13-Jan-20	29-Jan-24	4,765,718	46,810	715	34,555	8	6,801
Vietnam	23-Jan-20	31-Oct-23	11,624,114	100,747	0	43,206	0	11,747
ASEAN REGION			36,967,829	1,557,726	7,571	369,514	11	5,435

REGIONS	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS
AFRICA	12,859,413	94	258,884	0
AMERICAS	200,788,879	204,926	3,037,579	1,839
ASEAN	36,967,829	7,571	369,514	11
ASIA & OCEANIA	199,280,252	24,087	1,215,980	108
EUROPE	253,107,944	49,878	2,099,370	582
GLOBAL TOTAL	703,004,317	286,556	6,981,327	2,540

**Data Reference: [Worldometer](#), [WHO](#), & [Our World in Data](#)

ASEAN Weekly COVID-19 Cases and Deaths

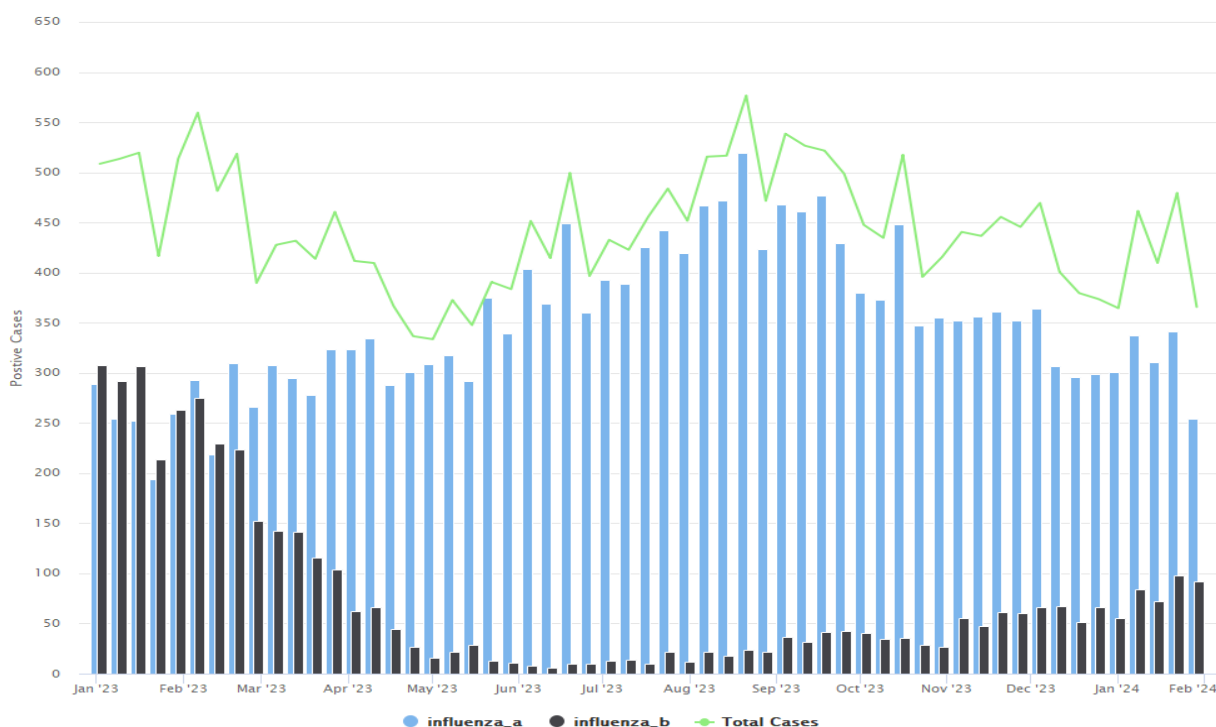
From January 1, 2023 to February 10, 2024



**Data References: [Singapore Government](#), [Worldometer](#), and the [WHO](#)

Trends of Influenza Confirmed Cases in the ASEAN region

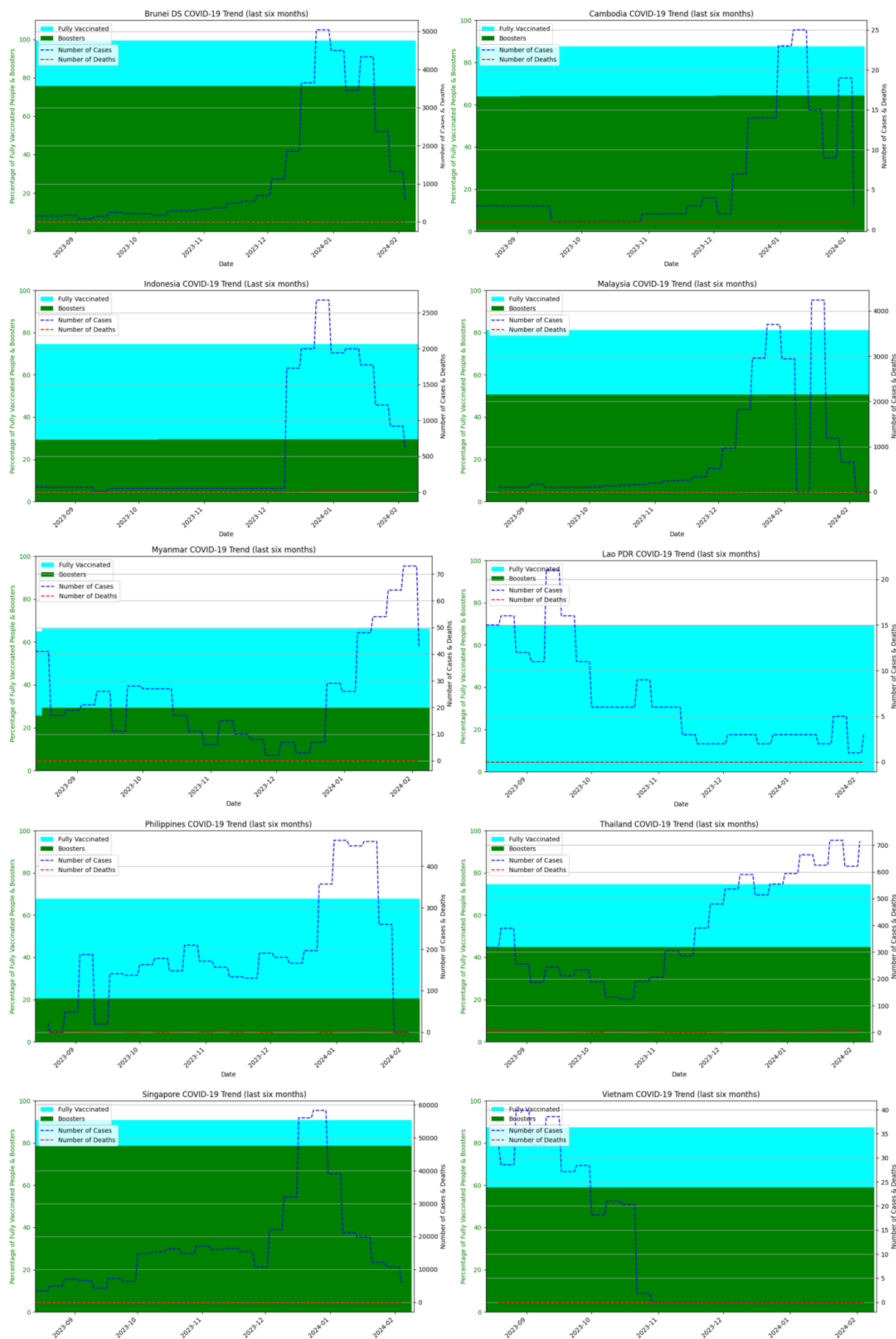
From January 1, 2023 to February 10, 2024



**Data References: [World Health Organization, \(2023\). Influenza Laboratory Surveillance Information](#), [FluNet](#)

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

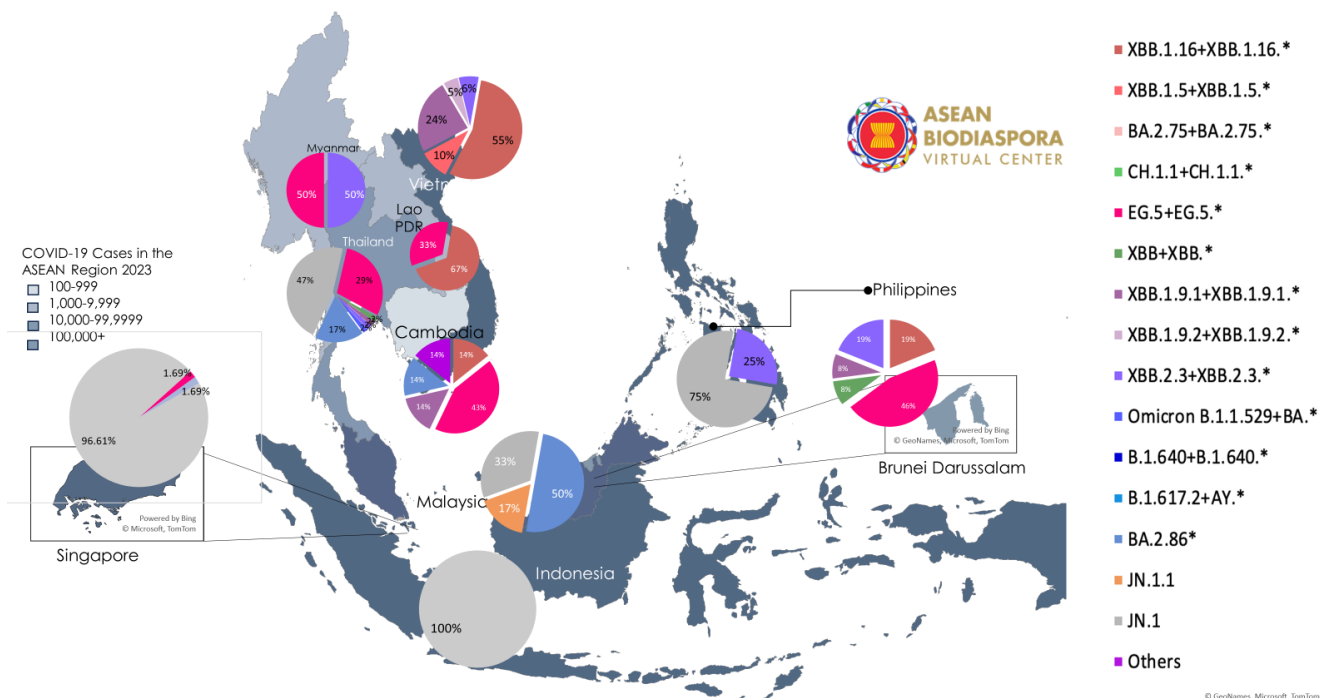
From July 1, 2023 to February 10, 2024



**Data References: [Singapore Government](#), [Worldometer](#), [OWID](#), and the [WHO](#)

COVID-19 Variants Frequencies Among the ASEAN Member States

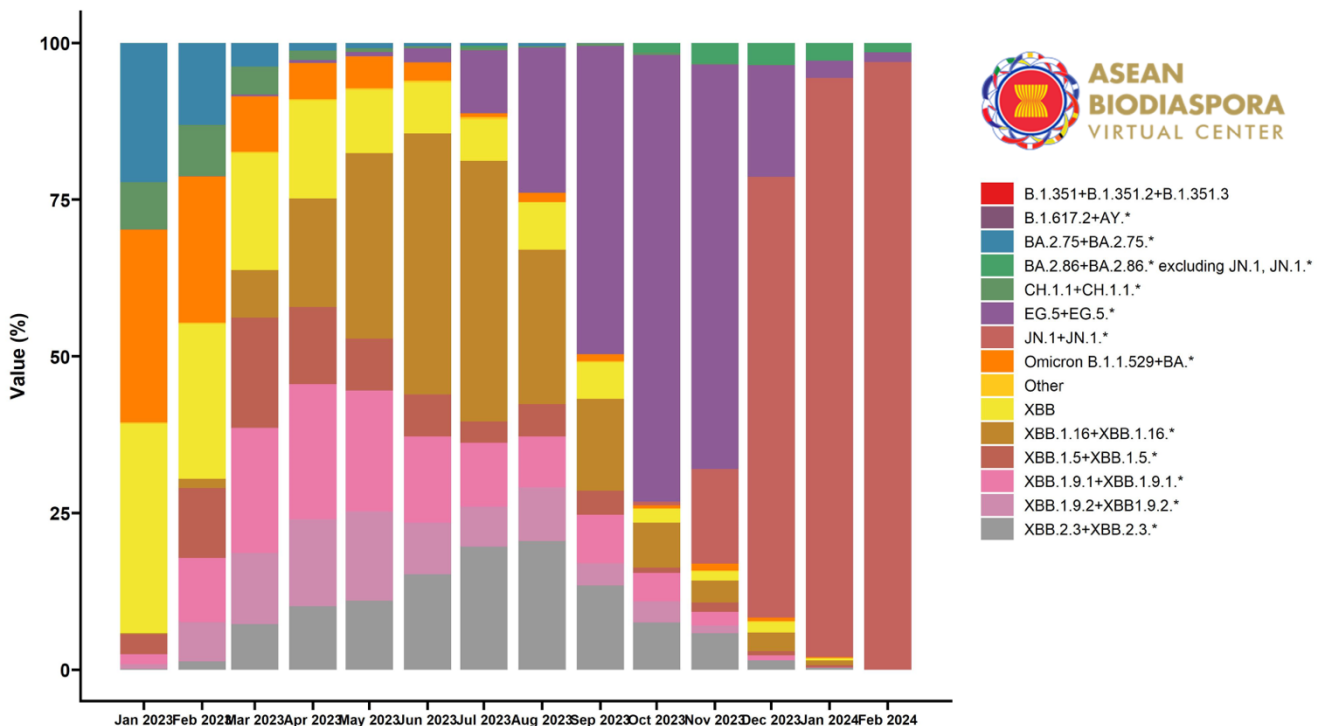
In February 2024



GISAIID. "hCoV-19 Variants Dashboard," accessed February 13, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

COVID-19 Variants Frequencies in the ASEAN Region

From January 2023 to February 2024

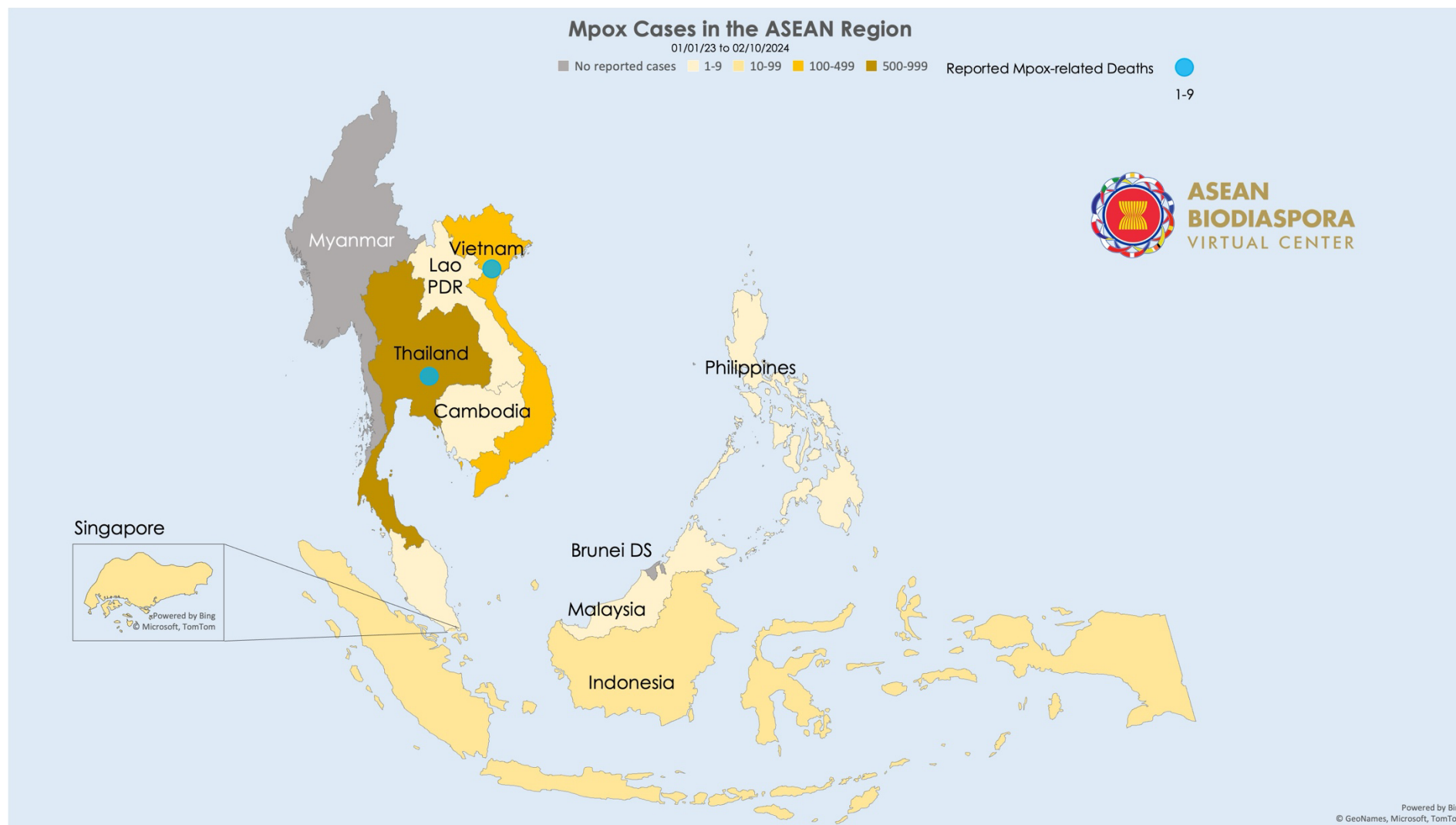


GISAIID. "hCoV-19 Variants Dashboard," accessed February 13, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.



Mpox Cases Reported in the ASEAN Region

January 1, 2023 – February 10, 2024



1. Ministry of Health Republic of Indonesia
2. EBS Bluedot (Accessed on February 13, 2024)
3. Ministry of Health Singapore, accessed February 13, 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 10 February 2024, **10,097** confirmed cases worldwide since 2023, including **117** deaths. Globally, the CFR was **1.16%**.
- 942 confirmed cases** including **seven deaths** in the **ASEAN** region, with a CFR of **0.74%**.
- 9,155 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 Feb. 10, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
Cambodia ¹	7	1	0	0.00%
Indonesia ²	80	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	32	0	0	0.00%
Thailand ¹	673	0	1	0.15%
Vietnam ¹	135	0	6	4.44%
ASEAN Total	942	1	7	0.74%

- EBS Bluedot (Accessed on February 13, 2024)
- Ministry of Health Republic of Indonesia
- Ministry of Health Singapore, accessed February 13, 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 Feb. 10, 2024)

Country	Cumulative Cases 2023	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
People's Republic of China	2,020	0	1	0.05%
United States of America	1,856	0	36	1.94%
Democratic Republic of Congo	761	0	2	0.26%
Thailand	673	0	1	0.15%
Brazil	456	0	2	0.44%

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

Mpox cases per region (Jan. 1, 2023 to Feb. 10, 2024)

REGIONS	CUMULATIVE CASES 2023	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS 2023	CFR
AFRICA	917	0	7	0.76%
AMERICAS	3,883	0	85	2.19%
ASEAN	942	1	7	0.74%
ASIA & OCEANIA	3,370	0	16	0.47%
EUROPE	985	0	2	0.20%
TOTAL	10,097	1	117	1.16%

Media Monitoring for Emerging Diseases

Epidemiological Week 6 | January 28 – February 10, 2024

Global Situation for Emerging Diseases

COVID-19

- **Bangladesh** has reported 97 more COVID-19 cases in a week and zero deaths (EM, 2024). The country's total fatalities remained at 29,483, with 2,047,440 cases and 2,014,649 recoveries. Since the pandemic began, 98.40% of COVID-19 patients have recovered, while 1.44% have died. [\[Full article\]](#)
- **Canada**, New Brunswick has reported six more COVID-19 deaths and 48 hospitalizations due to the flu, with COVID-19 activity remaining moderate (Mackinnon, 2024). Four deaths occurred from COVID-19, raising the pandemic death toll to at least 1,007. Thirty- six people were hospitalized, with one admitted to intensive care. [\[Full article\]](#)
- **India** experienced a single-day rise in COVID-19 cases, with 1,508 active cases recorded (PTI, 2024). The number of daily cases dropped to double-digits until December 5, 2023, but increased after the emergence of a new variant and cold weather conditions. A maximum of 841 new cases were reported on December 31, 2023, there were 0.2% of the peak cases in May 2021. Most active cases are recovering under home isolation. India has experienced three waves of COVID-19, with the peak incidence during the delta wave in April-June 2021. [\[Full article\]](#)
- **New Zealand** reported 5,555 new COVID-19 cases and three deaths in the week leading up to Sunday, with 3,555 being reinfections (Prasad, 2024). Hospitalizations reached 222 cases, with none in intensive care. However, concerns arise as the seven-day rolling average of new cases remains at 792 per day, indicating the virus's persistence within the community. [\[Full article\]](#)

Mpox

- **Australia**, Victoria has recorded its first locally-acquired case of mpox in almost six months, prompting a reminder for groups at highest risk to be aware of symptoms and ensure they are fully vaccinated (Jimjin, 2024). The latest case has not been linked to international travel, suggesting local transmission may be occurring. Acting chief health officer advised people to stay home, restrict contact with others, and book an appointment with their general practitioner or nearest sexual health service. [\[Full article\]](#)
- **Italy** has reported Thirteen mpox cases have been identified in Tuscany, a rare viral disease typically found in Africa and tropical countries (Admin, 2024). The regional government and local health authorities are monitoring the situation and ensuring the public's safety. All 13 cases have been treated and epidemiological investigations are underway. Vaccination programs are being organized by infectious disease centers. Symptoms include fever, drowsiness, headache, muscle pain, swollen lymph nodes, and rashes. The virus spreads through close contact with infected individuals. [\[Full article\]](#)
- **The United States (US)**: Milwaukee Health Department confirmed a positive case of mpox on February 2 (Roche M.L, 2024). The infected resident is isolated and following health guidelines. The city has recorded 40 cases since July 2022, with the latest being the first since June. Symptoms include a painful rash or sores, usually showing within three weeks. [\[Full article\]](#)

Regional Situation for Emerging Diseases

COVID-19

- **Thailand** is facing a resurgence in weekly COVID-19 infections, with 715 new cases and eight fatalities between January 28 and February 3, 2024 (Prasad, 2024). The COVID-19 Information Center reports a surge in pneumonia cases and 176 patients reliant on ventilators. The cumulative impact of the pandemic since January 1, 2024, has reached 2,679 individuals requiring hospitalization and 34 deaths, highlighting the ongoing healthcare infrastructure's challenges. [[Full article](#)]

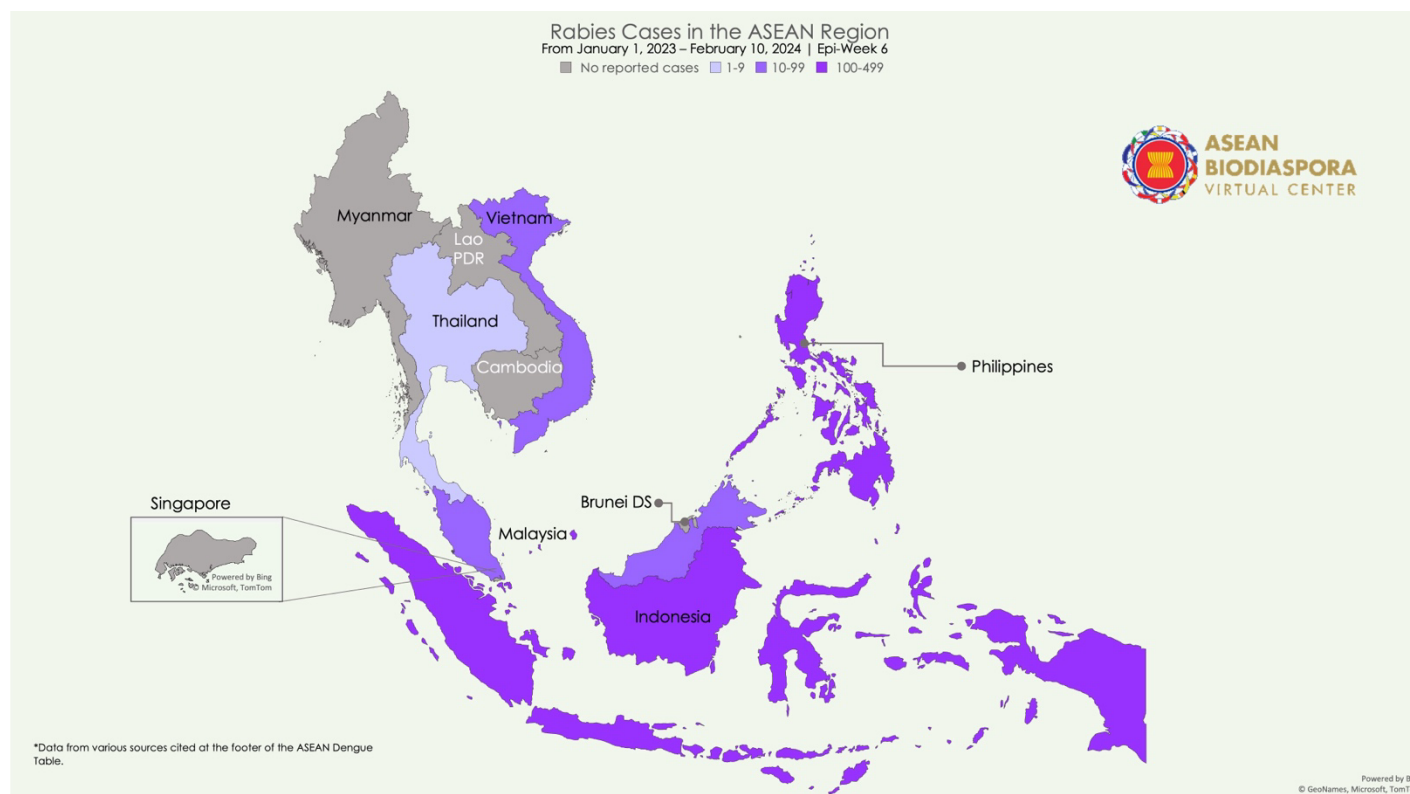
Mpox

- **Cambodia** has reported 2 more mpox cases, raising the total number of infections to six since December (Huaxia ed, 2024). The ministry called for people to be extra vigilant and stressed that mpox can be transmitted through sexual contact, direct contact with wounds, bodily fluids, and equipment contaminated with the virus. [[Full article](#)]

ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1, 2023 to February 10, 2024 (Epi-Week 6)



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	-	-	-	-	-
Indonesia¹	Week 5	152	0	152	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 4	25	0	25	100%
Myanmar	-	-	-	-	-
Philippines³	Week 48 '23	368	0	368	100%
Singapore			Rabies-free country		
Thailand⁴	Week 4	6	0	6	100%
Vietnam²	Week 52' 23	82	0	82	100%
Total		633	0	633	100%

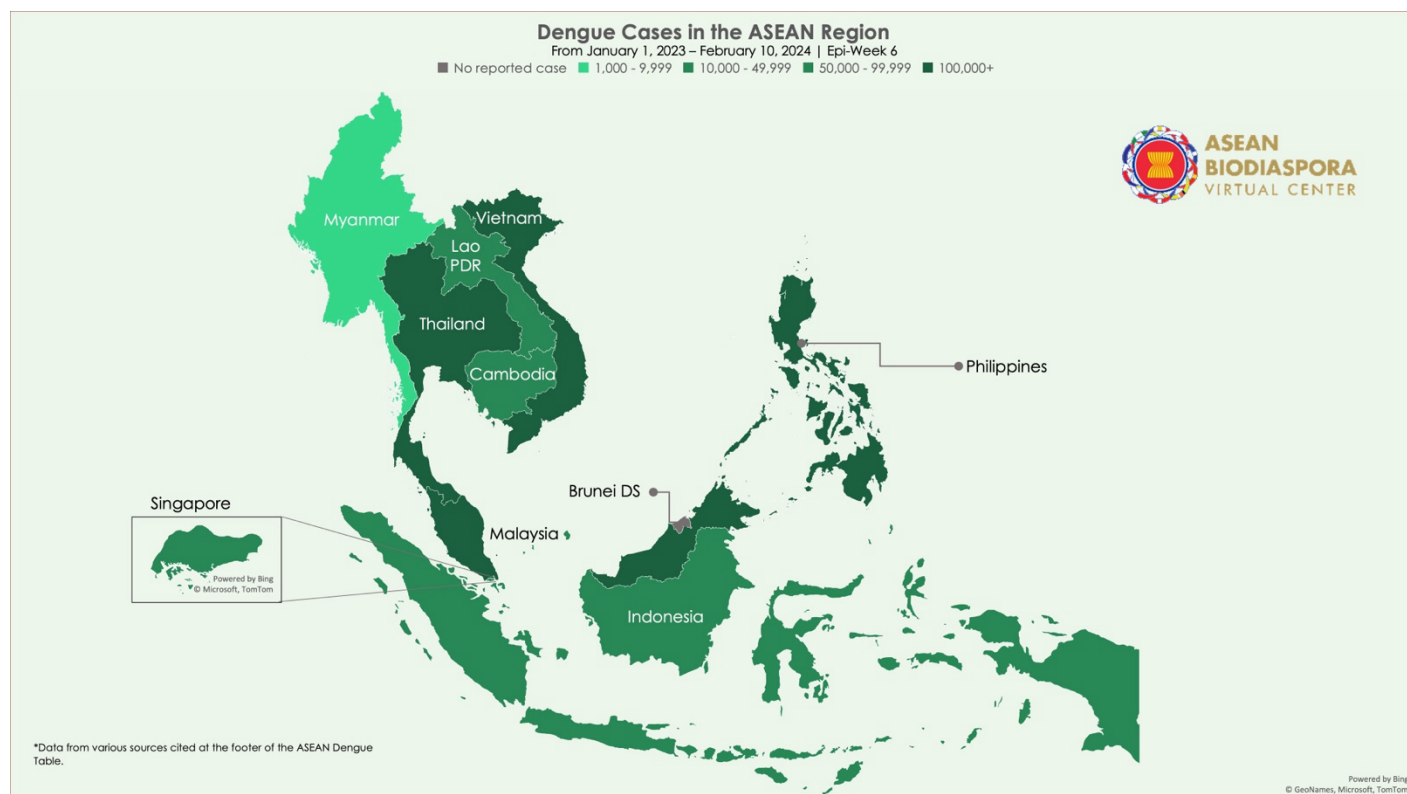
1. Ministry of Health, Republic of Indonesia
2. BlueDot Developer Portal, accessed February 13, 2024, <https://developer-portal.bluedot.global/>.
3. Department of Health Website, accessed February 13, 2024 "Statistics," <https://doh.gov.ph/statistics>.
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed February 13, 2024, <http://doe.moph.go.th/surdata/index.php>

- The **ASEAN** region reported **NO** new rabies cases since the previous report. The region reported **633** total cases with **100%** CFR.

VECTOR-BORNE DISEASES

Dengue Cases in the ASEAN Region

From January 1, 2023 to February 10, 2024 (Epi-Week 6)



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 2	36,468	0	99	0	0.27%
Indonesia²	Week 5	166,229	893	871	6	0.52%
Lao PDR¹	Week 3	32,523	0	20	0	0.06%
Malaysia³	Week 5	141,560	3,969	109	0	0.08%
Myanmar⁴	Week 28 '23	6,685	0	30	0	0.45%
Philippines⁵	Week 48 '23	195,603	0	657	0	0.34%
Singapore⁶	Week 5	11,975	487	-	0	0.00%
Thailand⁷	Week 4	170,927	0	184	0	0.11%
Vietnam¹	Week 52 '23	172,000	0	43	0	0.03%
Total		933,970	5,349	2,013	6	0.22%

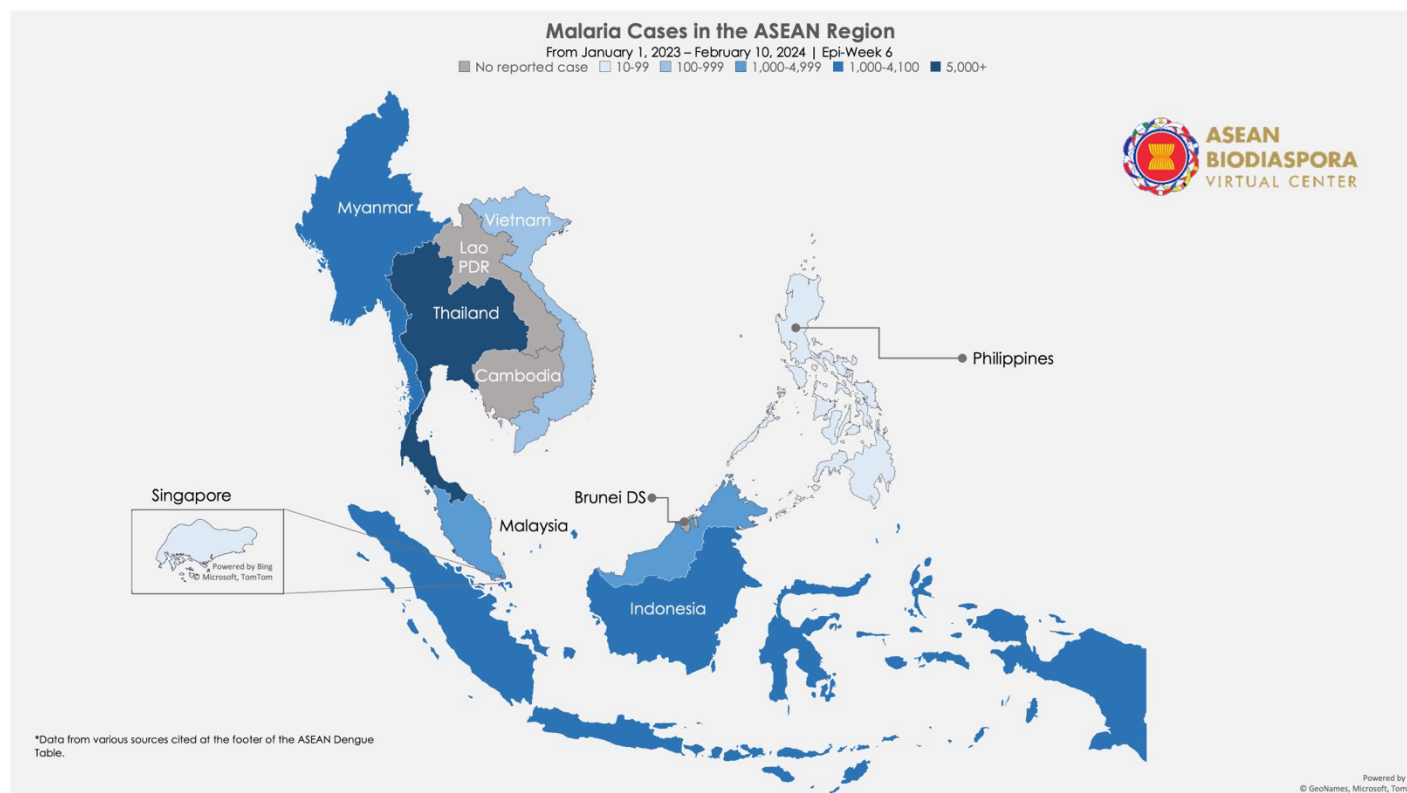
1. WHO WPRO, "Dengue," World Health Organization, accessed February 13, 2024, <https://www.who.int/westernpacific/emergencies/surveillance/dengue>.
2. Ministry of Health, Republic of Indonesia
3. Disease Control Division, Ministry of Health Malaysia, accessed February 13, 2024, https://www.moh.gov.my/index.php/database_stores/store_view/17
4. BlueDot Developer Portal, accessed February 13, 2024, <https://developer-portal.bluedot.global/>.
5. Department of Health Website, accessed February 13, 2024 "Statistics," <https://doh.gov.ph/statistics>.
6. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed February 13, 2024. <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin>
7. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed February 13, 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 **5,349** new dengue cases in Indonesia, Malaysia, and Singapore and **six** new deaths. The region reported **933,970** total cases with **0.22%** CFR.

Malaria Cases in the ASEAN Region

From January 1, 2023 to February 10, 2024 (Epi-Week 6)



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 6	1,995	33	0	0.00%
Lao PDR	-	-	-	-	-
Malaysia ¹	Week 45 '23	1,116	0	0	0.00%
Myanmar ¹	Week 23 '23	4,510	0	0	0.00%
Philippines ¹	Week 6	33	2	0	0.00%
Singapore ³	Week 5	27	0	0	0.00%
Thailand ²	Week 4	5,348	0	4	0.07%
Vietnam ¹	Week 42 '23	349	0	1	0.29%
Total		13,378	35	5	0.04%

1. BlueDot Developer Portal, accessed February 13, 2024, <https://developer-portal.bluedot.global/>.
2. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed February 13, 2024, <http://doe.moph.go.th/surdata/index.php>
3. Ministry of Health Singapore, accessed February 13, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The **ASEAN** region reported **35** new malaria case in Indonesia and Philippines since the previous report. The region reported **13,378** total cases with **0.04%** CFR.

Media Monitoring for Vector-borne Diseases

Epidemiological Week 6 | January 28 – February 10, 2024

Global Situation for Vector-borne Diseases

Dengue

- **Bangladesh:** Dengue has caused 50 hospitalizations in a week, with a total of 15 deaths this year (Pratidin B, 2024). A total of over 1,154 people have been affected. Over the past day, 25 more people have been admitted to hospitals due to dengue, with no deaths reported (Shafiq, 2014). The Department of Health reported that six patients were admitted in Dhaka and 19 in other districts. Currently, 106 patients are receiving treatment. [\[Full article\]](#)
- **Ethiopian** health authorities reported 50 new dengue cases since January 26, a 96% decrease from the previous week (iO Foundation, 2024). The outbreak began in April 2023 and has since spread to 1,561 cases in the Dire Dawa region, with no reported deaths. [\[Full article\]](#)
- **India:** In 2024, 25 confirmed cases of dengue were reported across 36 districts in Punjab, with Lahore reporting 13 cases (The News, 2024). Punjab hospitals are currently treating three patients, with one in Lahore. India Health Secretary urged citizens to maintain hygiene and cooperate with health department teams. [\[Full article\]](#)
- **Mauritius:** Mosquitoes are causing widespread concern across the country, with 230 active cases currently in the country (Nancoo P.H, 2024). The Goodlands region, where a first death was recorded, is urging residents to take necessary precautions and take care of their environment. Head of the village is urging residents to eliminate containers and tires that can stagnate water, and to clean drains and household waste. Ministry of Health emphasizes the need for continued awareness and collaboration among authorities, stating that this is not the first outbreak of the disease and that collaboration is essential to put an end to the epidemic. [\[Full article\]](#)
- **Sri Lanka** reported over 10,000 dengue cases in January, with four deaths, according to the National Dengue Control Unit (NDCU) (Xinhua, 2024). The Western Province had the highest number of cases, followed by the Northern Province. Last year, over 88,000 cases were reported, with 57 deaths. The Ministry of Health declared a nationwide dengue prevention week to curb the disease's spread. [\[Full article\]](#)

Regional Situation for Vector-borne Diseases

Dengue

- **Indonesia:** Dengue Hemorrhagic Fever (DHF) cases in Hulu Sungai Tengah (HST) District, South Kalimantan have increased, with three deaths reported (Nouvelles, 2024). 206 patients were treated in January, and 212 in February. Three died, including a baby with heart disease. The remaining 26 patients are from outside the HST. The public is encouraged to eradicate mosquito nests which involves draining and covering water reservoirs. [\[Full article\]](#)
- **Malaysia:** Malaysia's Ministry of Public Health reported a 65.6% increase in dengue fever cases in the first five weeks of 2024, with 11,127 people affected. The number of deaths has risen to nine (Paibulsin, 2024). The World Health Organization (WHO) reported over five million confirmed cases and 5,000 deaths since 2023, primarily in the Americas, Southeast Asia, and the Western Pacific. [\[Full article\]](#)

- **Singapore:** More than 2,000 dengue cases have been reported since the start of 2024 (Khalik S, 2024). This is the highest number recorded in at least five years for the corresponding period. The National Environment Agency (NEA) told The Straits Times that the continued rise in cases – numbers have gone up over nine consecutive weeks – is “a big concern”. But it is still too early to say if it will result in a major outbreak in 2024. There were 494 infections in the week ending Feb 3. Since then, another 185 cases have been reported as of Feb 6. [\[Full article\]](#)
- **Thailand:** Dengue fever in Thailand has reached 8,197 cases in January, a 91.25% increase from last year (The Nation, 2024) and 13 deaths in 2024 (TST, 2024). The virus, transmitted by *Aedes* mosquitoes, causes symptoms like high fever, headache, muscle and joint pain, nausea, vomiting, skin rash, and swollen glands. Most cases are children aged five to 14, with most cases in southern and central provinces. Hospitals should provide anti-mosquito cream or spray to other patients. [\[Full article\]](#) [\[Full article\]](#)

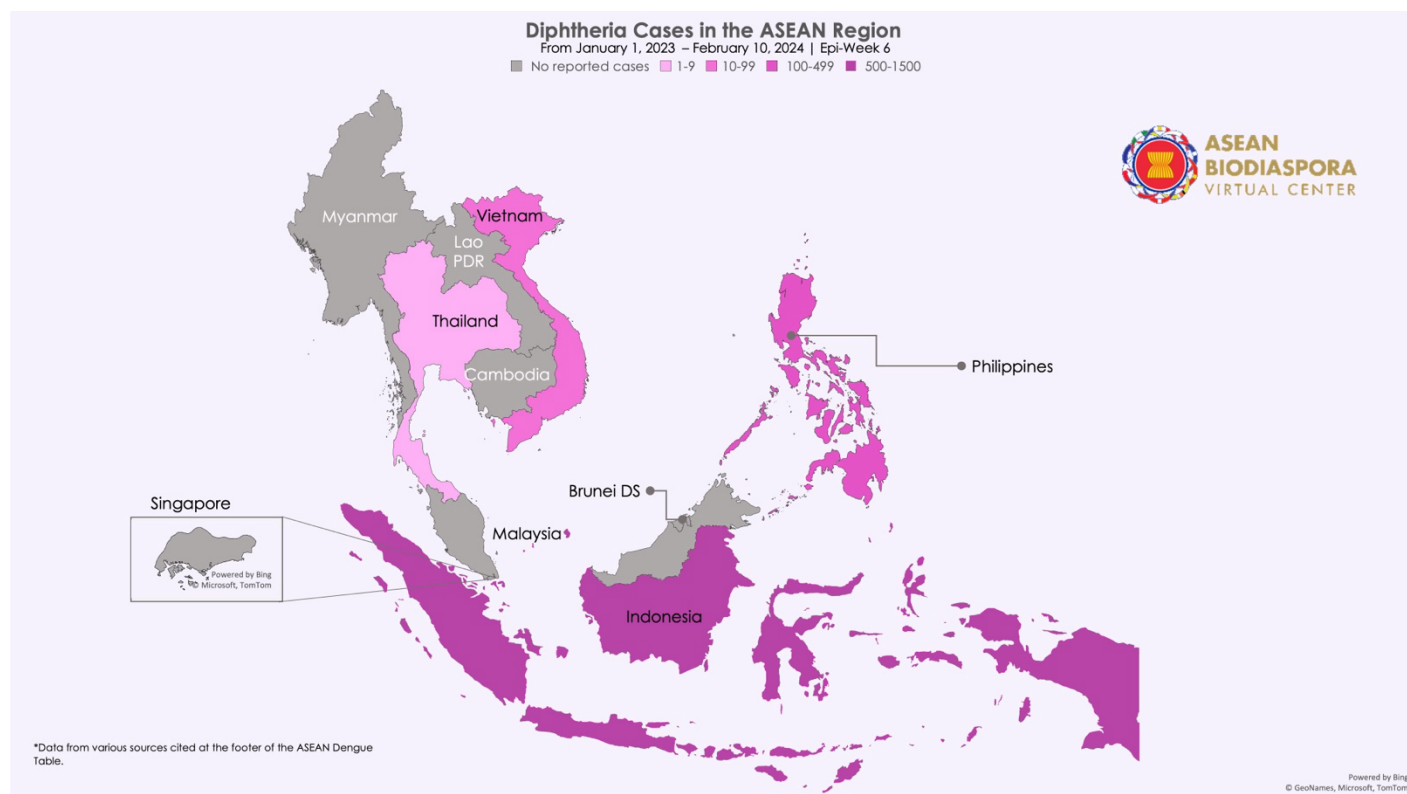
Malaria

- **Indonesia:** In 2023, there were 15,562 suspected cases examined and 333 of them were positive in 13 districts/cities in South Kalimantan (Irwanto D, 2024). The highest number of malaria attack cases occurred in Tabalong District with 5,009 suspected cases, followed by Balangan District with 2,566 cases, Banjar District with 2,349 cases, Tanah Bumbu District 1,183 cases, Tanah Laut District 1,025 cases and Banjarbaru City 1,667 suspected cases. Monitoring in Banjarmasin City, the City Health Office is intensively carrying out fogging (spraying) activities to eradicate mosquitoes. [\[Full article\]](#)

VACCINE-PREVENTABLE DISEASES

Diphtheria Cases in the ASEAN Region

From January 1, 2023 to February 10, 2024 (Epi-Week 6)



Diphtheria cases in the ASEAN region

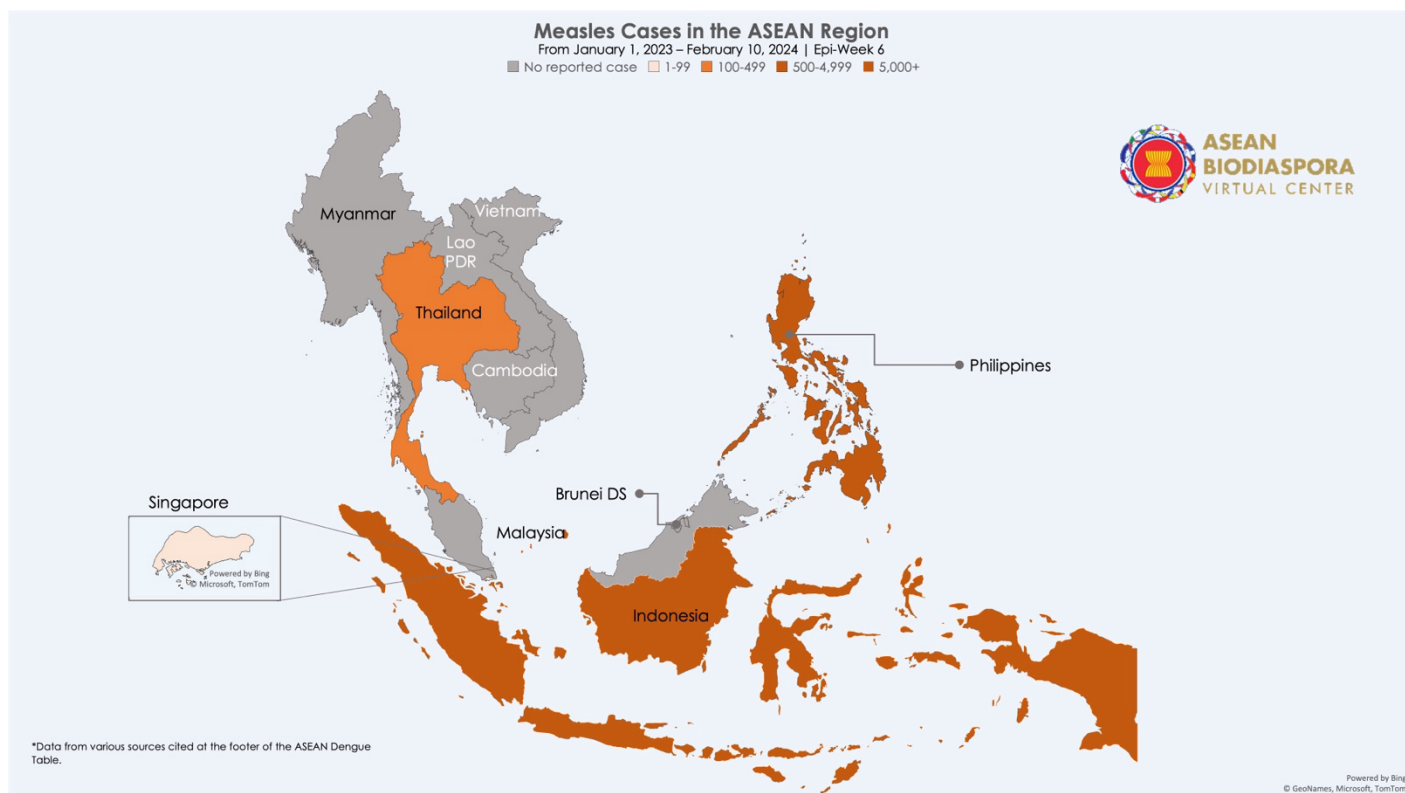
Country	Epi-Week Reported	Cumulative Diphtheria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 2	914	0	61	6.67%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 48 '23	198	0	50	25.25%
Singapore ³	-	-	-	-	0.00%
Thailand ⁴	Week 4	6	0	-	0.00%
Vietnam ⁵	Week 52 '23	55	0	5	9.09%
Total		1,173	0	116	9.89%

1. Ministry of Health, Republic of Indonesia.
2. Department of Health Website, accessed February 10, 2024 "Statistics," <https://doh.gov.ph/statistics>.
3. Ministry of Health Singapore, accessed February 10, 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 February 10, 2024, <http://doe.moph.go.th/surdata/index.php>
5. BlueDot Platform, accessed February 10, 2024, <https://developer-portal.bluedot.global/>

- The ASEAN region reported **NO** new diphtheria cases since the previous report. The region reported **1,173** total cases with **9.89%** CFR.

Measles Cases in the ASEAN Region

From January 1, 2023 to February 10, 2024 (Epi-Week 6)



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 52 '23	10,284	0	11	0.11%
Lao PDR	-	-	-	-	-
Malaysia	Week 6	33	23	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 48 '23	2,576	0	16	0.62%
Singapore ³	Week 5	9	0	0	0.00%
Thailand ⁴	Week 4	394	0	0	0.00%
Vietnam	-	-	-	-	-
Total		13,263	23	27	0.20%

1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed February 10, 2024, <https://developer-portal.bluedot.global/>
3. Department of Health Website, accessed February 10, 2024 "Statistics," <https://doh.gov.ph/statistics>.
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed February 10, 2024, <http://doe.moph.go.th/surdata/index.php>
5. Ministry of Health Singapore, accessed February 10, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The **ASEAN** region reported **NO** new measles cases since the previous report. The region reported **13,263** total cases with **0.20%** CFR.

Media Monitoring for Vaccine-Preventable Diseases

Epidemiological Week 5 | January 28 – January 10, 2024

Global Situation for Vaccine-Preventable Diseases

Measles

- **Austria** has reported 29 more measles cases were discovered in Tyrol due to a lack of vaccinations, resulting in 13 people infected (Vol.at, 2024). The cases are mainly reported in the Kufstein and Schwaz districts but have also occurred in Kitzbühel and Innsbruck-Land. WHO raises alarm over the rise in measles cases and emphasizes the importance of vaccination. A person who was unaware of their illness was present at a children's indoor soccer tournament in Wörgl on February 3rd and 4th during the infectious period. [\[Full article\]](#)
- **France:** Seven children from the Yvoir commune contracted measles, causing them to be confined for ten days (Belga A, 2024). The Agency for Quality Life (Aviaq) warns that even in cases of suspicion, measles must be declared to contain the cluster and take necessary measures. The agency can also vaccinate people who have been in contact with the children up to 72 hours before. Measles is a highly contagious viral disease with flu-like symptoms and potential complications. [\[Full article\]](#)
- **Iran:** A young child in Mashkhan, Astara district, died of measles after a high fever (1news.az, 2024). The Astara District Prosecutor's Office is investigating the incident, which has resulted in over 10 deaths in Azerbaijan in recent months. [\[Full article\]](#)
- **Russia:** The Saratov region has seen a rise in measles cases, with 38 identified in 2024, including 22 sick children (Badikov, E., 2024). The cases were found in Saratov, Ekaterinovskiy, Pugachevskiy, and Engel'skiy districts. The Ministry of Health confirmed that the vaccine is still being delivered. [\[Full article\]](#)
- **Republic of Korea:** Busan has seen a rise in measles cases, with two confirmed cases imported from overseas (Cho Yung Mi, 2024). The presumed source of infection is a 40-year-old patient, who contracted the prevalent overseas measles genotype. Both patients are receiving hospital treatment, while the city is conducting an epidemiological investigation. Due to the early discovery of the presumptive source, it is not yet ready to recommend simultaneous measles, mumps, rubella (MMR) vaccine vaccination in areas where measles cases have emerged. [\[Full article\]](#)
- The **United States (US):** Los Angeles County has confirmed its first measles case this year, following a resident who traveled through Los Angeles International Airport while infectious (Mendez J, 2024). The person also visited a restaurant. Measles is highly contagious and can cause severe complications for young children and vulnerable adults. The first case since 2020 in the county occurred in 2019, with most cases not being immunized or unaware of the virus. [\[Full article\]](#)
- **United Kingdom (UK):** The UK has seen a significant rise in measles cases, with over 100 reported within a week, primarily in England (Mills & Bates, 2024). The West Midlands has seen a significant increase, with many reports from Birmingham. The recent dip in measles, mumps, and rubella (MMR) vaccine uptake, exacerbated by COVID-19, school closures, and general vaccination skepticism, raises concerns about children's health. [\[Full article\]](#)

Pertussis

- **Spain:** Seven cases of whooping cough have been diagnosed in Segrià, Spain, following a previous outbreak in Alpicat high school (Espín S, 2024). Public Health Office is implementing a protocol to inform affected students' families to visit a Primary Care Center if they experience a cough and avoid school. The disease is caused by a highly contagious bacterium and is not fully vaccinated. [[Full article](#)]

Regional Situation for Vaccine-Preventable Diseases

Measles

- **Malaysia:** As of the 5th epidemiological week, 30 measles cases have been detected in Penampang district, with 87% of cases involving Malaysian citizens (Doksil M, 2024). 17% of cases received at least one dose of the measles vaccine, while 27% did not. The Sabah Health Department has conducted supplementary immunization activities, achieving a 95% measles immunization rate for Penampang. However, challenges remain in identifying vaccination status among residents, particularly foreigners. [[Full article](#)]

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

Epidemiological Week 6 | From January 1, 2023 to February 10, 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	81,362	77	0.09%	-	-	-	Rabies-free Country			-	-	-
Cambodia	647	0	0.00%	7	0	0	-	-	-	36,468	99	0.27%
Indonesia	116,565	1,442	1.24%	80	0	0	152	152	100%	166,229	871	0.52%
Lao PDR	1,331	87	6.54%	1	0	0	-	-	-	32,523	20	0.06%
Malaysia	253,117	490	0.19%	9	0	0	25	25	100%	141,560	109	0.08%
Myanmar	8,155	5	0.06%	-	-	-	-	-	-	6,685	30	0.45%
Philippines	141,371	1,467	1.04%	5	0	0%	368	368	100%	195,603	657	0.34%
Singapore	807,621	243	0.03%	32	0	0%	Rabies-free Country			10,244	0	11,975
Thailand	46,810	886	1.89%	673	1	0.15%	6	6	100%	170,927	184	0.11%
Vietnam	100,747	20	0.02%	135	6	4.44%	82	82	100%	172,000	43	0.03%
ASEAN Region	1,557,726	4,717	0.30%	942	7	0.74%	633	633	100%	933,970	2,013	0.22%

Infectious Diseases	Malaria			Measles			Diphtheria		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-	-	-	-
Indonesia	1,995	0	0%	10,284	11	0.11%	914	61	6.67%
Lao PDR	-	-	-	-	-	-	-	-	-
Malaysia	1,116	0	0%	-	-	-	-	-	-
Myanmar	4,510	0	0%	-	-	-	-	-	-
Philippines	32	0	0%	2,576	16	0.62%	198	50	25.25%
Singapore	27	0	0%	9	0	0%	-	-	-
Thailand	5,348	4	0.07%	394	0	0%	6	0	0.00%
Vietnam	349	1	0.29%	-	-	-	55	5	9.09%
ASEAN Region	13,378	5	0.04%	13,263	27	0.20%	1,173	116	9.89%

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