



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

## Editorial

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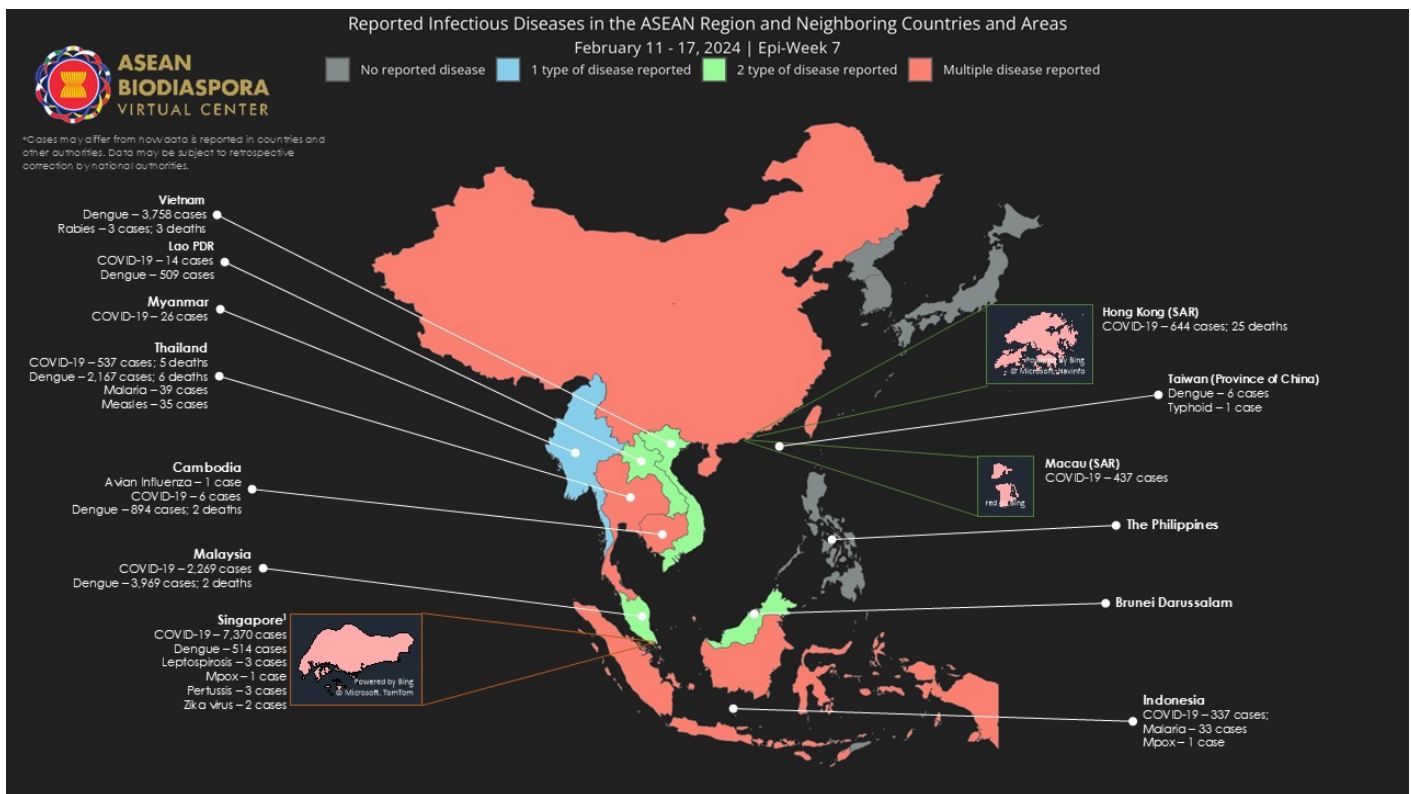
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## Key Findings

- 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 is **one** mpox new case in the ASEAN region since last report.
- Dengue cases has increased by **7,842** since the last report. Meanwhile, **39** new malaria cases have been found since the last report for vector-borne diseases in the ASEAN region.
- There have been **35** 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 7 | February 11 – 17, 2024



\*\*The data was taken from the BlueDot Platform, accessed on February 20, 2024 (<https://portal.bluedot.global/>)

1. Ministry of Health Singapore, "Weekly Infectious Diseases Bulletin," accessed on February 20, 2024 (<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 17 February 2024 (5PM, GMT+7), there were **703,483,064** confirmed cases **worldwide**, including **6,984,616 deaths**. Globally, Case Fatality Rate (CFR) was **0.99%**.
- **36,978,388 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

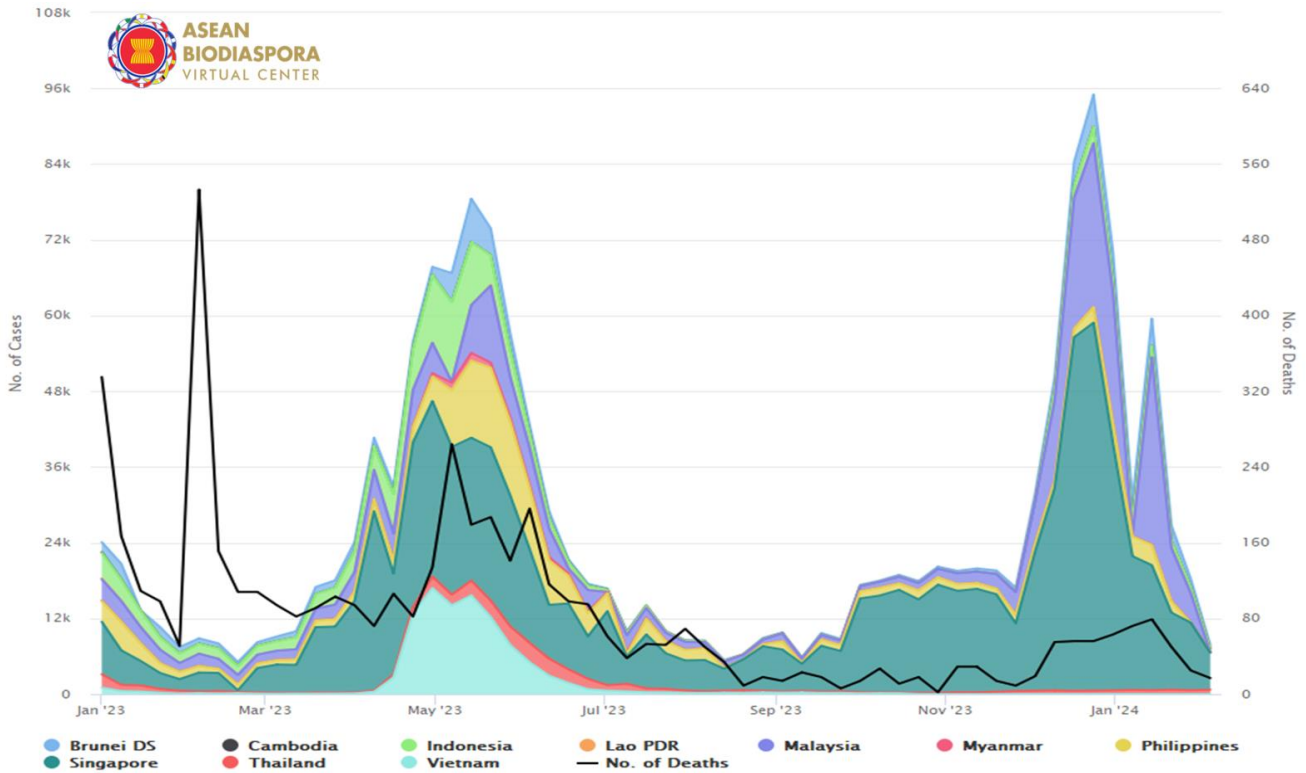
ASEAN MEMBER STATES	FIRST CONFIRMED CASES	LATEST REPORT ON CONFIRMED	CUMULATIVE CASES	CUMULATIVE CASES IN 2023	NEW CASES SINCE LAST REPORT	CUMULATIVE DEATHS	NEW DEATHS SINCE LAST REPORT	CUMULATIVE CASES/ 100,000
Brunei Darussalam	10-Mar-20	4-Feb-24	342,802	81,362	0	225	0	76,960
Cambodia	27-Jan-20	14-Feb-24	139,091	653	6	3,056	0	810
Indonesia	02-Mar-20	10-Feb-24	6,828,605	116,902	337	162,054	0	2,446
Lao PDR	24-Mar-20	13-Feb-24	218,931	1,345	14	758	0	2,926
Malaysia	25-Jan-20	15-Feb-24	5,274,786	255,386	2,269	37,347	0	15,897
Myanmar	23-Mar-20	11-Feb-24	641,756	8,181	26	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	17-Feb-24	3,001,665	814,991	7,370	1,954	0	50,503
Thailand	13-Jan-20	17-Feb-24	4,766,255	47,347	537	34,560	5	6,801
Vietnam	23-Jan-20	31-Oct-23	11,624,114	100,747	0	43,206	0	11,747
<b>ASEAN REGION</b>			<b>36,978,388</b>	<b>1,568,285</b>	<b>10,559</b>	<b>369,519</b>	<b>5</b>	<b>5,435</b>

REGIONS	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS
AFRICA	12,859,770	357	258,884	0
AMERICAS	201,197,162	408,283	3,040,171	2,592
ASEAN	36,978,388	7,571	369,519	11
ASIA & OCEANIA	199,292,129	11,877	1,216,121	141
EUROPE	253,155,615	47,671	2,099,921	551
<b>GLOBAL TOTAL</b>	<b>703,483,064</b>	<b>475,759</b>	<b>6,984,616</b>	<b>3,295</b>

Source: [Worldometer](#), [WHO](#), and [Our World in Data](#)

## ASEAN Weekly COVID-19 Cases and Deaths

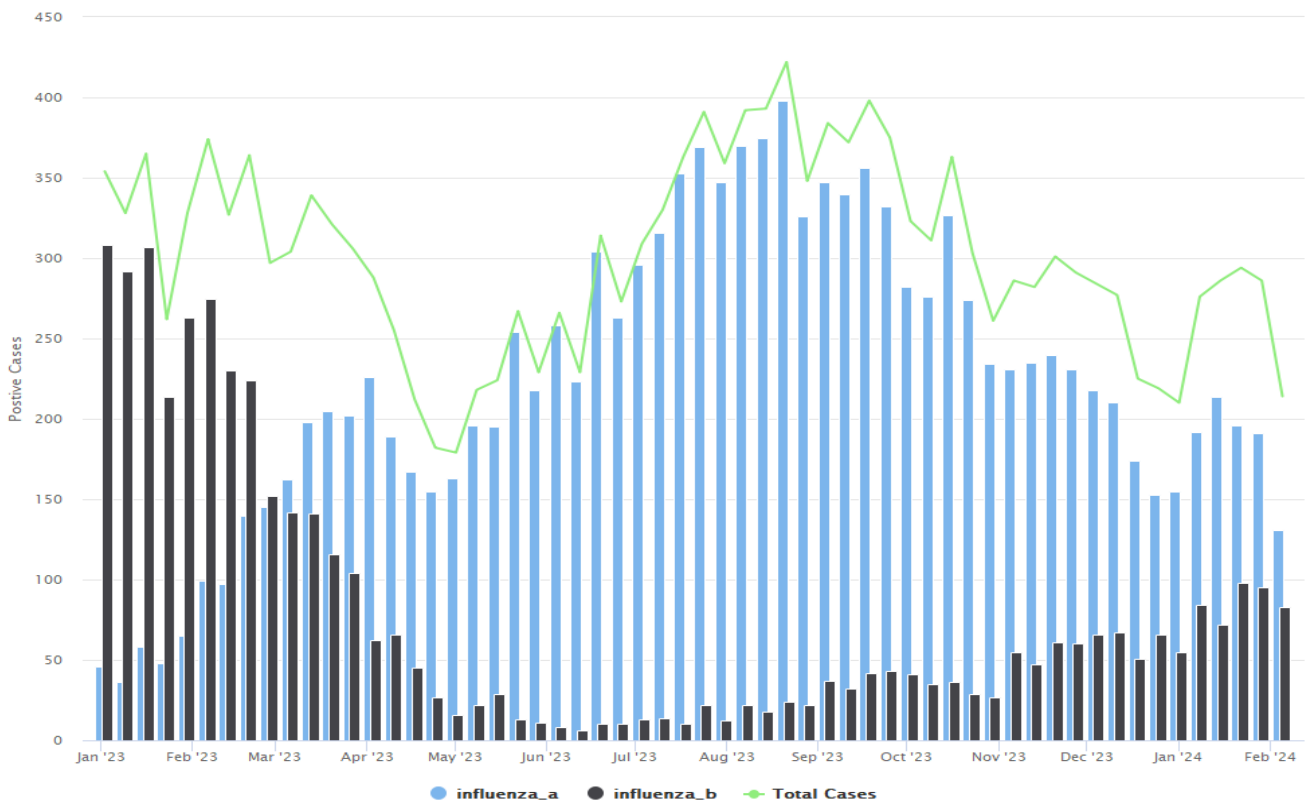
From January 1, 2023 to February 17, 2024



Source: [Worldometer](#), [WHO](#), and [Our World in Data](#)

## Trends of Influenza Confirmed Cases in the ASEAN region

From January 1, 2023 to February 17, 2024



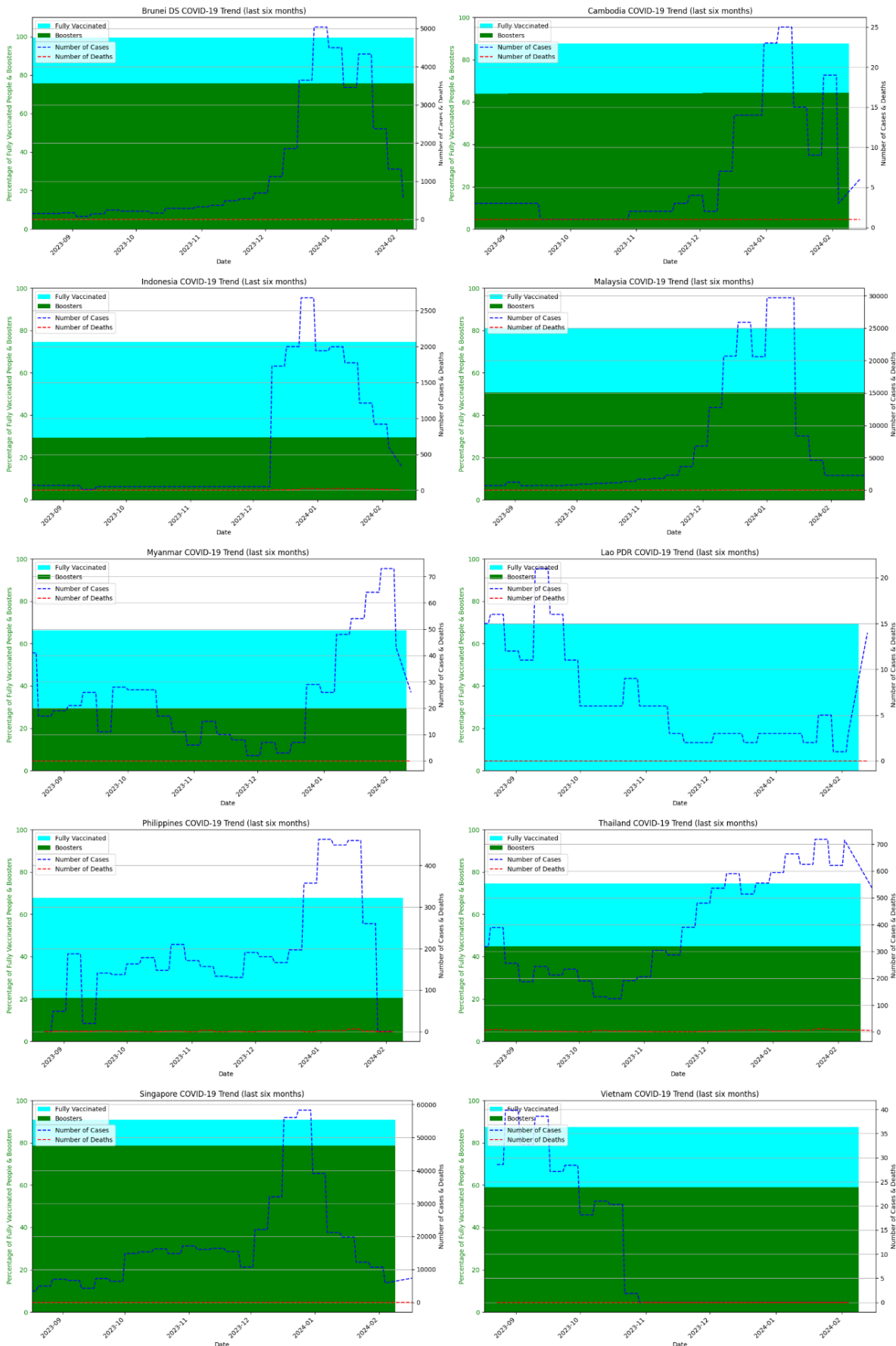
Source: FluNet, accessed on February 20, 2024 (<https://www.who.int/tools/fluinet>)





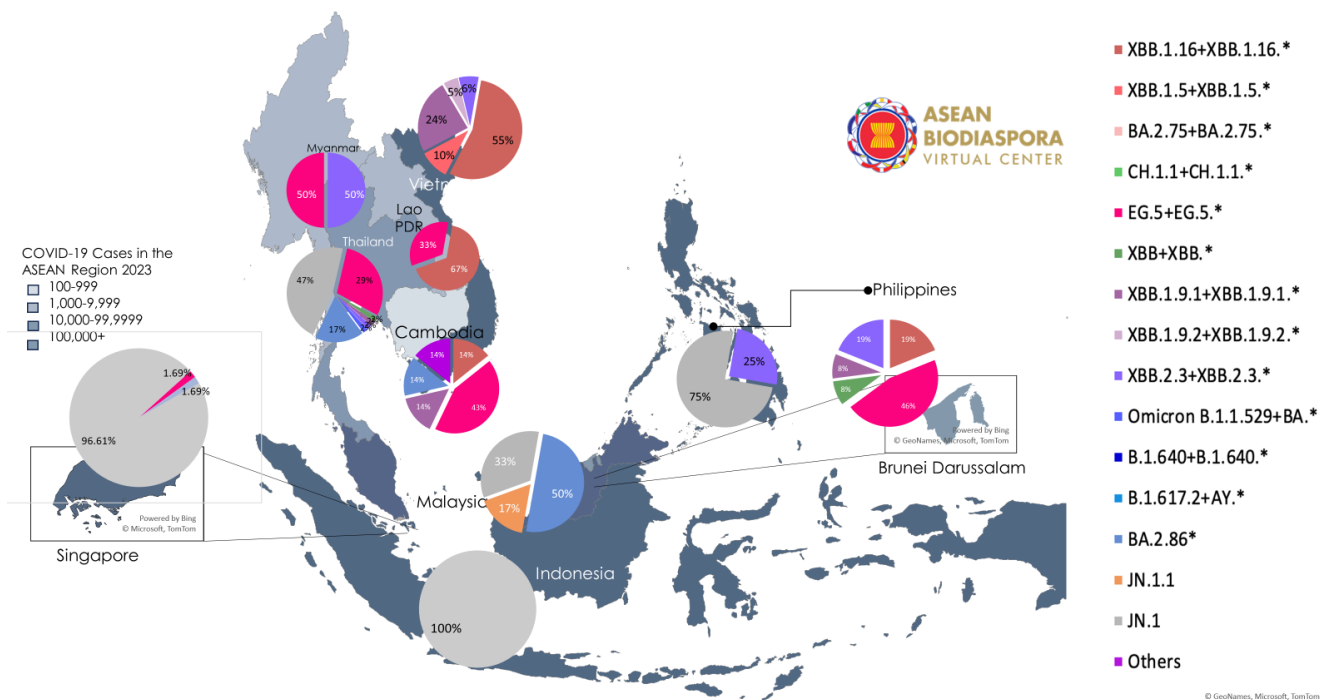
# Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS

From July 1, 2023 to February 17, 2024

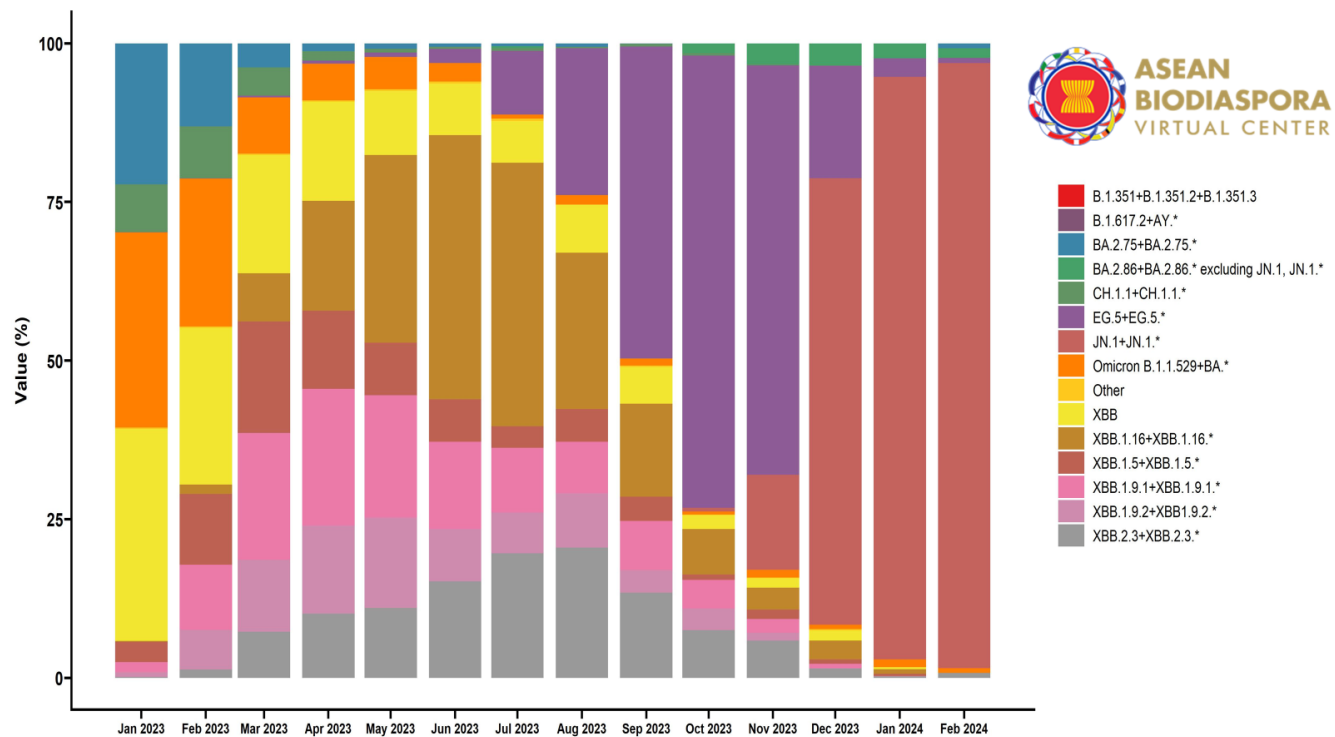


Source: [Worldometer](#), [Our World In Data](#), and [WHO](#)

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

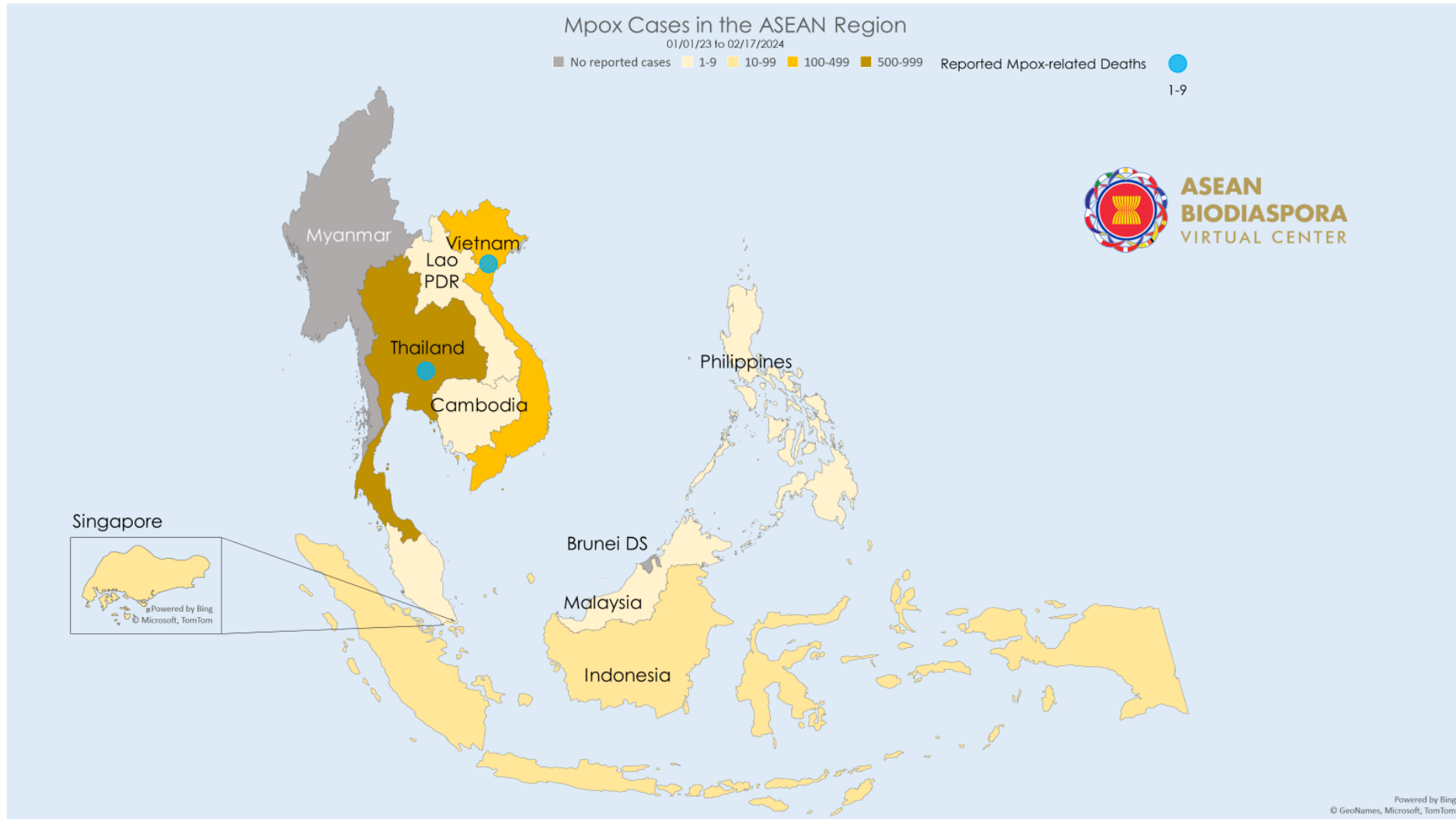


## COVID-19 Variants Frequencies in the ASEAN Region From January 2023 to February 2024



## Mpox Cases Reported in the ASEAN Region

January 1, 2023 – February 17, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. Bluedot Platform, accessed on February 20, 2024 (<https://portal.bluedot.global>)
3. Ministry of Health Singapore, accessed February 20, 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 17 February 2024, **10,098** confirmed cases worldwide since 2023, including **117** deaths. Globally, the CFR was **1.16%**.
- **943 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. 17, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
Cambodia <sup>1</sup>	7	0	0	0.00%
Indonesia <sup>2</sup>	81	1	0	0.00%
Lao PDR <sup>1</sup>	1	0	0	0.00%
Malaysia <sup>1</sup>	9	0	0	0.00%
Philippines <sup>1</sup>	5	0	0	0.00%
Singapore <sup>3</sup>	32	0	0	0.00%
Thailand <sup>1</sup>	673	0	1	0.15%
Vietnam <sup>1</sup>	135	0	6	4.44%
<b>ASEAN Total</b>	<b>943</b>	<b>1</b>	<b>7</b>	<b>0.74%</b>

Source:

1. Bluedot Platform, accessed on February 20, 2024 (<https://portal.bluedot.global/>)
2. Ministry of Health Republic of Indonesia
3. Ministry of Health Singapore, accessed on February 20, 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. 17, 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%

Source: Our World in Data, accessed on February 20, 2024 (<https://ourworldindata.org/monkeypox>)

### Mpox cases per region (Jan. 1, 2023 to Feb. 17, 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%
<b>TOTAL</b>	<b>10,097</b>	<b>1</b>	<b>117</b>	<b>1.16%</b>

Source: Our World in Data, accessed on February 20, 2024 (<https://ourworldindata.org/monkeypox>)



## Media Monitoring for Emerging Diseases

Epidemiological Week 7 | February 11 - 17, 2024

### Global Situation for Emerging Diseases

#### COVID-19

- **Australia:** In South Australia, 1,479 new COVID-19 cases were reported, with 18 deaths notified to the Department for Health and Wellbeing (Mirage News, 2024). The total number of cases has been readjusted due to data reconfiguration. In the past week, 3,370 people received a PCR test, an 8% decrease. [\[Full article\]](#)
- **Bangladesh** reported 124 COVID-19 new cases in a week, (BanglaNews24, 2024). The country's total deaths remain at 29,484, and the number of COVID-19 cumulative cases reached 2,047,753 with recoveries reaching 423,626. The first case was reported in March 2020. [\[Full article\]](#)[\[Full article\]](#)[\[Full article\]](#)
- **India** has reported 308 new cases of COVID-19 in a week, while the number of active cases of the infection has declined to 817 cases (Outlook India, 2024). (Outlook India, 2024). The pandemic has been triggered by a new variant and cold weather conditions. The country has experienced three waves of COVID-19, with the peak occurring during the delta wave in April-June 2021. Since the pandemic began in early 2020, over 45 million people have been infected and over 530,000 deaths have occurred. Over 44 million people have recovered, and over 2,2 billion doses of COVID-19 vaccines have been administered [\[Full article\]](#)[\[Full article\]](#) [\[Full article\]](#)
- **New Zealand** has reported 5,878 new COVID-19 cases and 15 deaths since the fifth wave of the virus (News R, 2024). The majority were probable cases, with 3,807 reinfections. The seven-day rolling average of new cases was 838 per day. A recent study found that vaccines saved 4,000-12,000 lives in New Zealand during the Omicron phase, with New Zealand having one of the lowest global COVID-19 mortality rates. [\[Full article\]](#)

#### Mpox

- **Hong Kong:** A 48-year-old patient in Hong Kong has been diagnosed with mpox, a long-term illness, after visiting Singapore during the incubation period (8world, 2024). The patient, who began developing a rash on February 7, is currently in stable condition. The Hong Kong Center for Health Protection confirmed high-risk contacts during the incubation period. [\[Full article\]](#)

### Regional Situation for Emerging Diseases

#### COVID-19

- **Malaysia** has seen a downward trend in COVID-19 cases, with 4,029 cases reported in the last 14 days, according to KKMNOW data (Aziz F, 2024). Hospitalizations also decreased, with 1,257 cases reported and bed utilization at 65.2%. Seven deaths were recorded during the same period. The Medical Practitioners Coalition Association of Malaysia president also noted a decrease in cases since January. Public health expert believes this is a positive development, suggesting no new virulent variants and effective immunity against the virus. [\[Full article\]](#)
- **Thailand** reported 537 new COVID-19 cases in the week of February 4-10, 2024, with an average of 77 per day (newsdirectory3, 2024). Treatments included 344 pneumonia cases and 169 intubation cases. Weekly deaths increased to 39 as of January 1, 2024. [\[Full article\]](#)



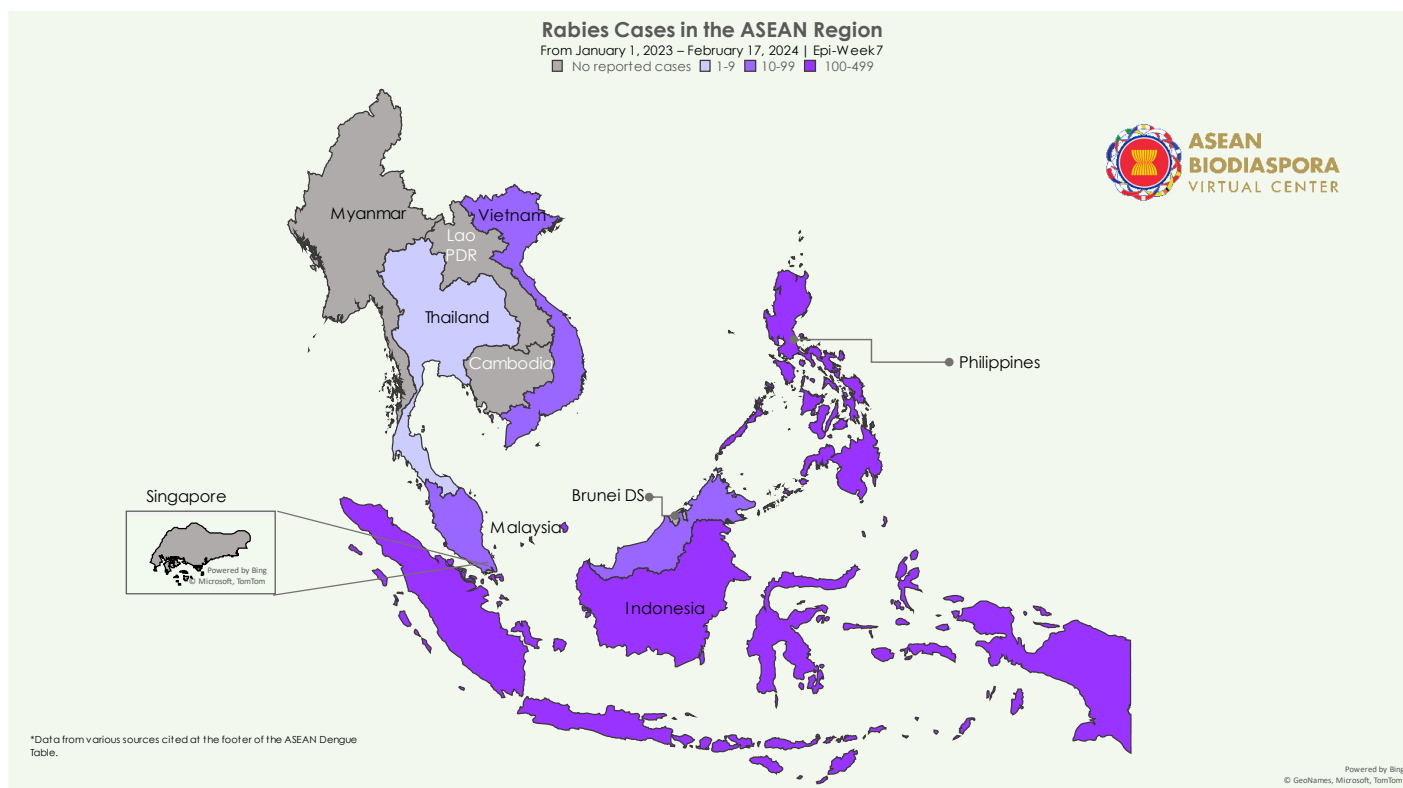
## Mpox

- **Cambodia:** The Ministry of Health confirmed a Mpox diagnosis on a man in Phnom Penh, marking the fourth case since February 11 and ten cases in total (VNA, 2024). The WHO reported 93,030 infections and 176 deaths worldwide as of January 25, 2024. The Cambodian Ministry of Health urges citizens to prioritize their health to prevent the spread. Symptoms include high fever, muscle pain, lymphadenopathy, and rash, with an incubation period of 5-21 days. [[Full article](#)]

# ZOONOSIS

## Rabies Cases in the ASEAN Region

From January 1, 2023 to February 17, 2024 (Epi-Week 7)



### Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Rabies Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
<b>Brunei Darussalam</b>			Rabies-free country		
<b>Cambodia</b>	-	-	-	-	-
<b>Indonesia<sup>1</sup></b>	Week 5	152	0	152	100%
<b>Lao PDR</b>	-	-	-	-	-
<b>Malaysia<sup>2</sup></b>	Week 4	25	0	25	100%
<b>Myanmar</b>	-	-	-	-	-
<b>Philippines<sup>3</sup></b>	Week 48 '23	368	0	368	100%
<b>Singapore</b>			Rabies-free country		
<b>Thailand<sup>4</sup></b>	Week 4	6	0	6	100%
<b>Vietnam<sup>2</sup></b>	Week 7	85	3	85	100%
<b>Total</b>		<b>636</b>	<b>3</b>	<b>636</b>	<b>100%</b>

1. Ministry of Health, Republic of Indonesia  
 2. Bluedot Platform, accessed February 20, 2024 (<https://portal.bluedot.global/>)  
 3. Department of Health Website, accessed February 20, 2024 "Statistics," (<https://doh.gov.ph/statistics>)  
 4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed February 20, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **three** new rabies cases in Vietnam since the previous report. The region reported **636** total cases with **100%** CFR.

## Media Monitoring for Zoonosis

Epidemiological Week 7 | February 11 – 17, 2024

### Global Situation for Zoonosis

#### Gastrointestinal Anthrax

- **Kenya** reported In Murang'a County, an anthrax scare has left over 300 people ill after consuming meat from a cow that had died under mysterious circumstances (Ojoko I, 2024). The cow's owner was advised by a local veterinary officer that the carcass was safe for human consumption. The villagers, who initially dismissed the symptoms as food poisoning, soon discovered that something more sinister was at play. Local healthcare workers and officials traced the root of the problem back to Ngugi's cow and suspected anthrax, a deadly bacterial disease. As the villagers awaited the results, dogs that had consumed the tainted meat began to perish, further fueling their fears. Murang'a County's Deputy Director of Medical Services explained that anthrax is a treatable condition, especially when caught early. [[Full article](#)]

#### Rabies

- **India:** A woman in Palakkad, India, died of rabies after being bitten by a stray dog (Thiruvananthapuram, 2024). Her husband was also bitten by a dog. They were all vaccinated after being bitten. She fell ill and was admitted to a private hospital but died on Monday. Thrissur Medical College doctors confirmed rabies as the cause of death. In 2022, 24 people died due to stray dog bites in West Bengal. The minister confirmed that there is no shortage of anti-rabies vaccines in the state and that the quality of the vaccine has been tested in a central laboratory. The number of people bitten by stray dogs in the state decreased from 8,355 in September to 7,542 in October. [[Full article](#)]

### Regional Situation for Zoonosis

#### Avian Influenza

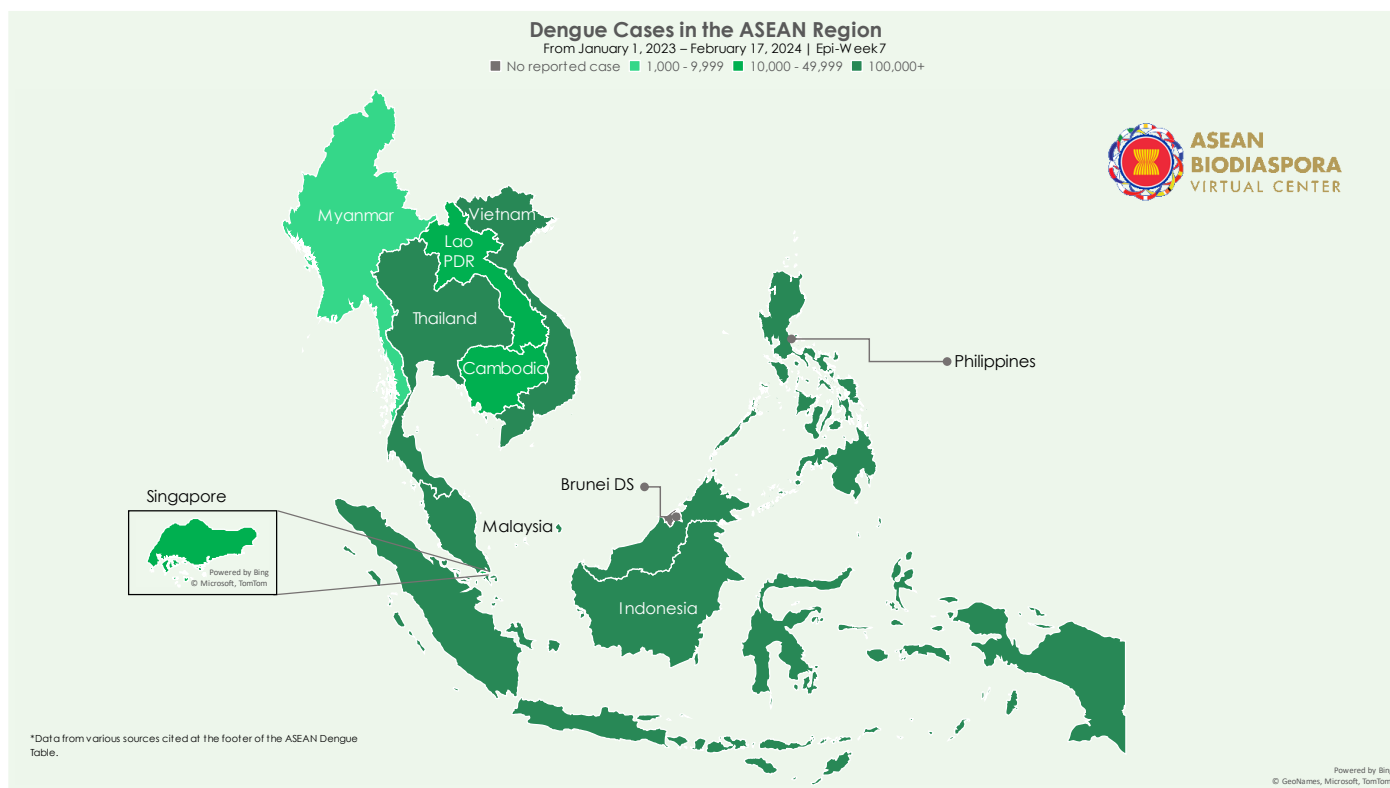
- **Cambodia:** Reported a third H5N1 avian flu case in 2024, involving a 9-year-old boy from Kratie province (Schnirring, L, 2024). The cases occurred in two provinces, Prey Veng and Siem Reap. The boy died from the infection, and the birds were eaten. Cambodia has now reported nine H5N1 cases since 2023, following a decade-long lapse. The virus belongs to an older clade, not the newer one. [[Full article](#)]



## VECTOR-BORNE DISEASES

### Dengue Cases in the ASEAN Region

From January 1, 2023 to February 17, 2024 (Epi-Week 7)



### Dengue cases in the ASEAN region

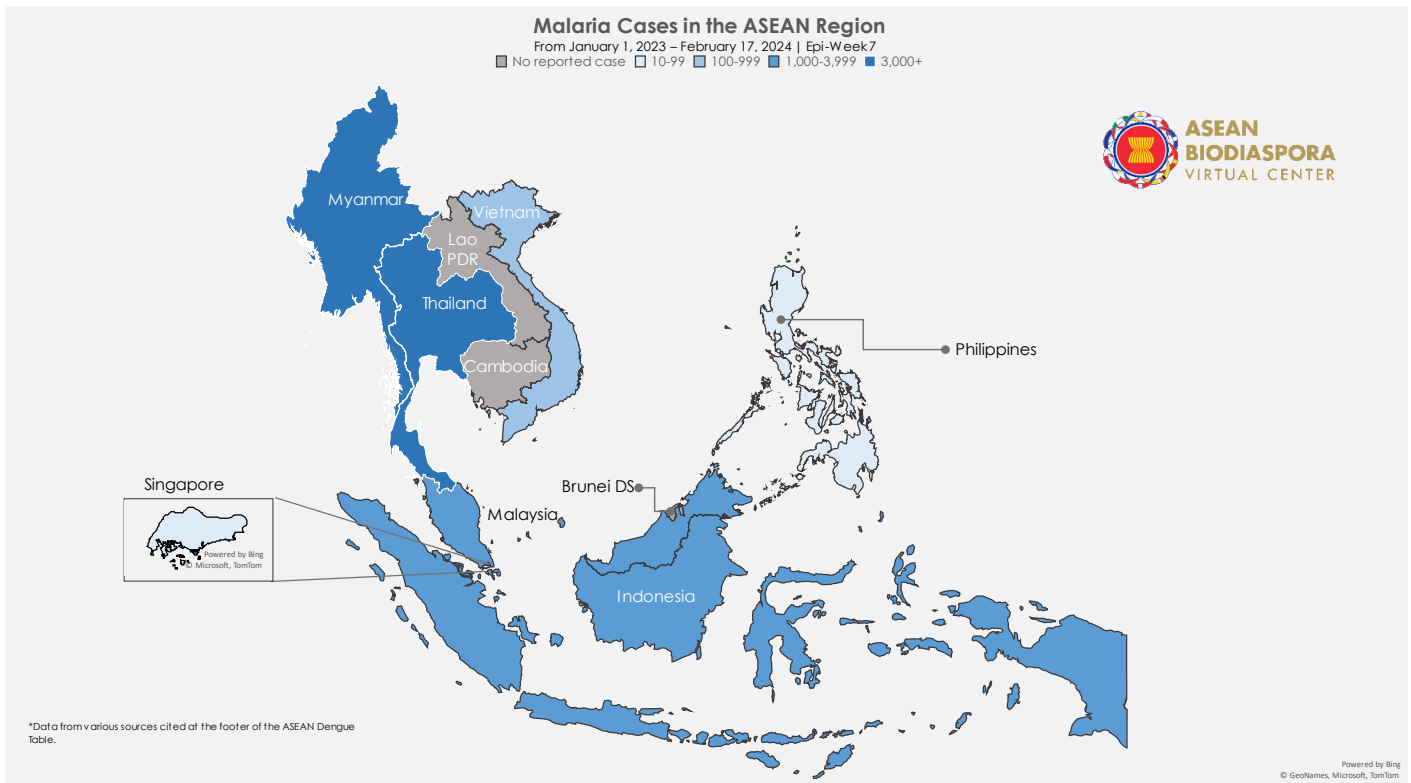
Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
<b>Brunei Darussalam</b>	-	-	-	-	-	-
<b>Cambodia<sup>1</sup></b>	Week 4	37,362	894	104	2	0.28%
<b>Indonesia<sup>2</sup></b>	Week 5	166,229	0	871	0	0.52%
<b>Lao PDR<sup>1</sup></b>	Week 5	32,841	509	20	0	0.06%
<b>Malaysia<sup>3</sup></b>	Week 5	141,560	0	109	0	0.08%
<b>Myanmar<sup>4</sup></b>	Week 28 '23	6,685	0	30	0	0.45%
<b>Philippines<sup>5</sup></b>	Week 48 '23	195,603	0	657	0	0.34%
<b>Singapore<sup>6</sup></b>	Week 6	12,489	514	0	0	0.00%
<b>Thailand<sup>7</sup></b>	Week 6	173,094	2,167	190	6	0.11%
<b>Vietnam<sup>1</sup></b>	Week 2	175,758	3,758	43	0	0.02%
<b>Total</b>		<b>941,621</b>	<b>7,842</b>	<b>2,024</b>	<b>8</b>	<b>0.21%</b>

1. WHO WPRO, "Dengue," World Health Organization, accessed February 20, 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 20, 2024, [https://www.moh.gov.my/index.php/database\\_stores/store\\_view/17](https://www.moh.gov.my/index.php/database_stores/store_view/17)
  4. Bluedot Developer Portal, accessed February 20, 2024, <https://developer-portal.bluedot.global/>.
  5. Department of Health Website, accessed February 20, 2024 "Statistics," <https://doh.gov.ph/statistics>.
  6. Ministry of Health. "Weekly Infectious Disease Bulletin", accessed February 20, 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 20, 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 **7,842** new dengue cases in Cambodia, Lao PDR, Singapore, Thailand, and Vietnam and **14** new deaths. The region reported **941,621** total cases with **0.21%** CFR.

## Malaria Cases in the ASEAN Region

From January 1, 2023 to February 17, 2024 (Epi-Week 7)



### Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Malaria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia <sup>1</sup>	Week 6	1,995	0	0	0.00%
Lao PDR	-	-	-	-	-
Malaysia <sup>1</sup>	Week 45 '23	1,116	0	0	0.00%
Myanmar <sup>1</sup>	Week 23 '23	4,510	0	0	0.00%
Philippines <sup>1</sup>	Week 6	33	0	0	0.00%
Singapore <sup>3</sup>	Week 5	27	0	0	0.00%
Thailand <sup>2</sup>	Week 6	5,387	39	4	0.07%
Vietnam <sup>1</sup>	Week 42 '23	349	0	1	0.29%
<b>Total</b>		<b>13,417</b>	<b>39</b>	<b>5</b>	<b>0.04%</b>

1. Bluedot Platform, accessed February 20, 2024 (<https://portal.bluedot.global/>)
2. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed February 20, 2024 (<http://doe.moph.go.th/surdata/index.php>)
3. Ministry of Health Singapore, accessed February 20, 2024 (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)

- The **ASEAN** region reported **39** new malaria case in Thailand since the previous report. The region reported **13,417** total cases with **0.04%** CFR.



## Media Monitoring for Vector-borne Diseases

Epidemiological Week 7 | February 11 – 17, 2024

### Global Situation for Vector-borne Diseases

#### Dengue

- **Bangladesh** has reported 27 dengue patients were hospitalized in Dhaka in a week (BSS, 2024). This year, the total number of cases reached 1,093, with 115 still undergoing treatment. Last year, the country recorded 1,705 deaths and 321,179 cases. [\[Full article\]](#) [\[Full article\]](#)
- **Mauritius** has reported the dengue epidemic in Mauritius is escalating, with 408 active cases as of late Thursday afternoon (Sandra, 2024). A second dengue-related death has been confirmed in Mauritius, involving an 88-year-old patient who was already suffering from complications (Nuckcheddy P.A, 2024). The country currently has 539 active cases, with 888 recorded between December 11 and February 13. The fight against the virus is intensifying, with heavy rains in Belal providing stagnant water points for tiger mosquitoes. Mauritian authorities have requested military participation in fumigation operations in risk areas, with the North, Port-Louis region, and West being prioritized. Local community agents are also asking citizens to eliminate water points for female tiger mosquito eggs. [\[Full article\]](#) [\[Full article\]](#) [\[Full article\]](#)

#### Malaria

- **Russia:** A woman in St. Petersburg died of malaria after returning from a business trip to Africa (Slekishin M, 2024). The woman, who had been vaccinated against yellow fever and received malaria prevention advice, was found unwell on New Year's Eve. She was unable to drink and was unable to call a doctor. The woman took painkillers and antiviral drugs and tried to treat herself. Her daughter reported that she discovered two small mosquito bites after not using the ointment for one day. [\[Full article\]](#)

### 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](#)]

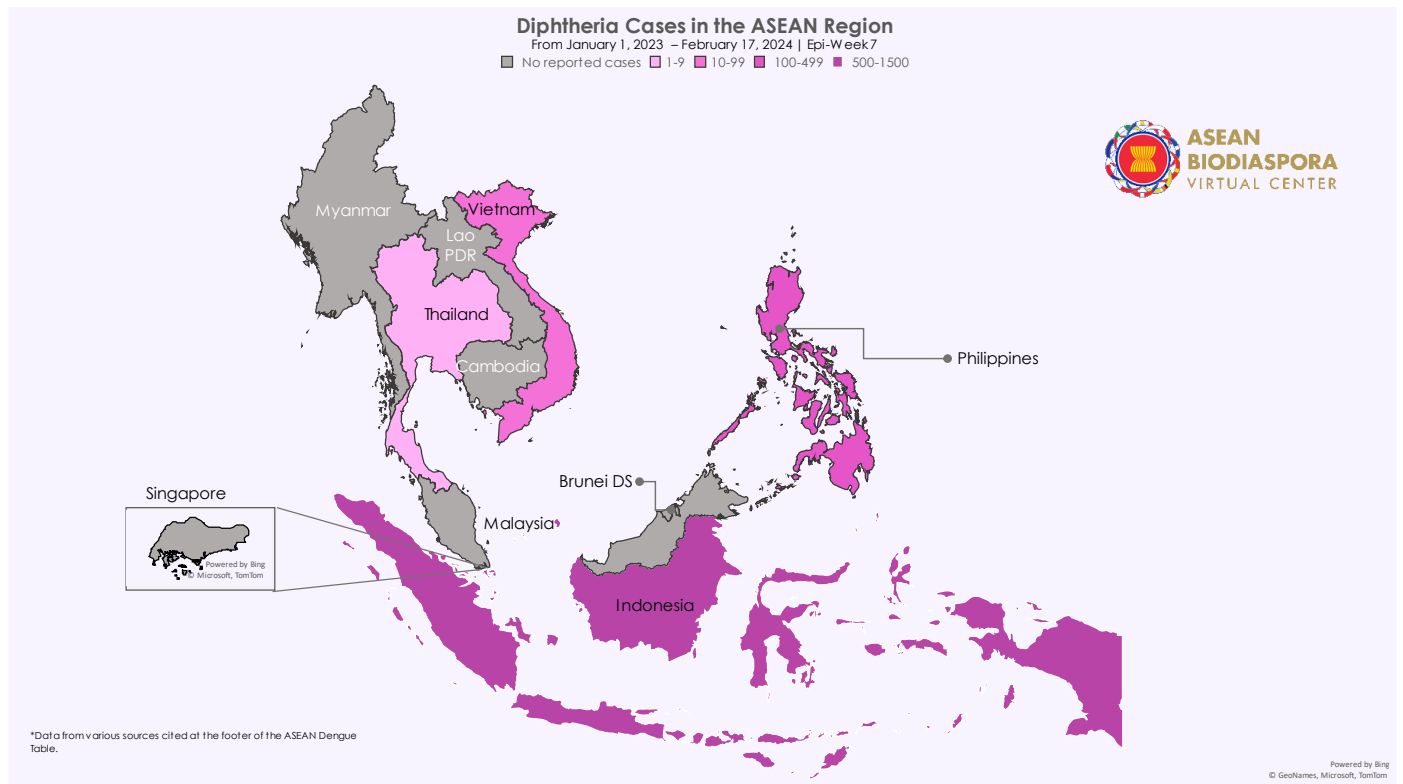
## Malaria

- **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 17, 2024 (Epi-Week 7)



## Diphtheria cases in the ASEAN region

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

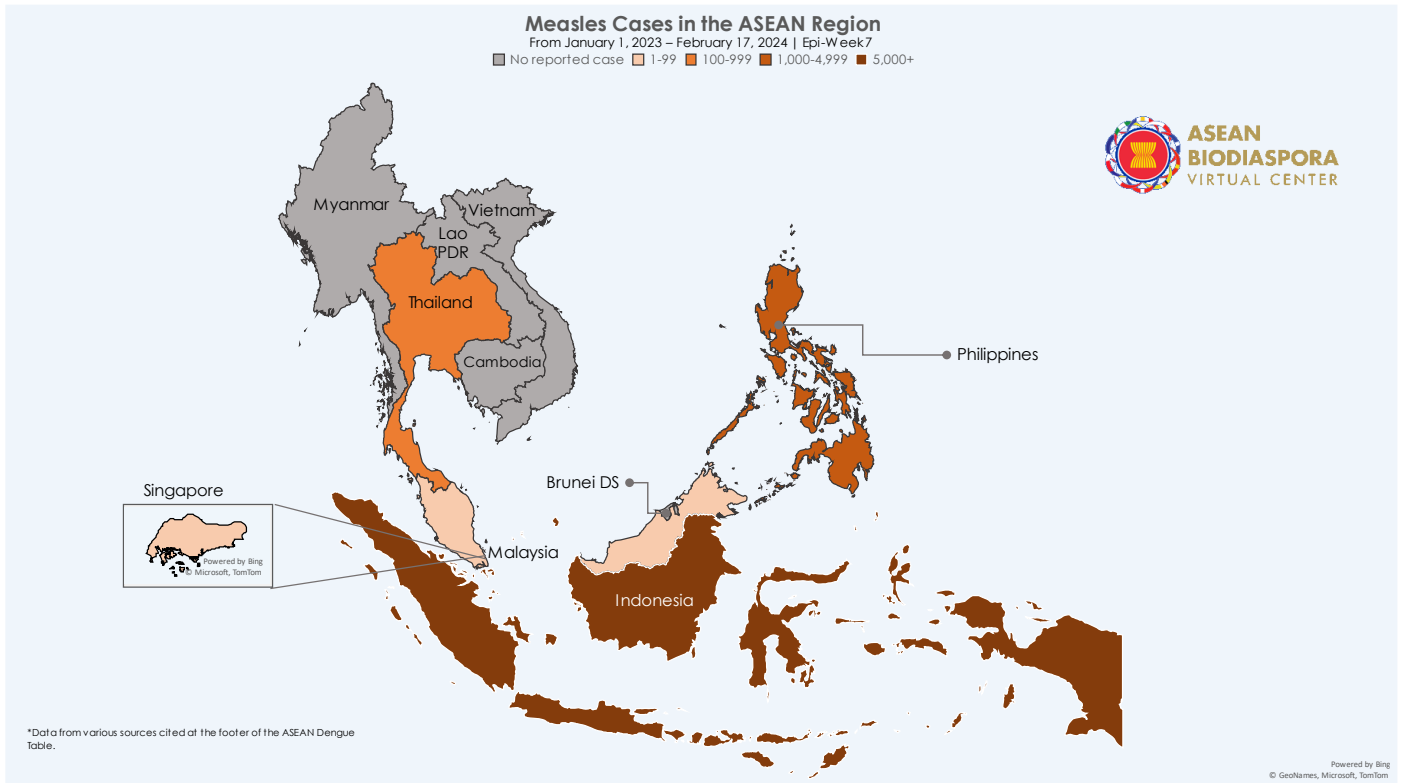
1. Ministry of Health, Republic of Indonesia.
2. Department of Health Website, accessed February 20, 2024 "Statistics" (<https://doh.gov.ph/statistics>)
3. Ministry of Health Singapore, accessed February 20, 2024 (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed February 20, 2024 (<http://doe.moph.go.th/surdata/index.php>)
5. BlueDot Platform, accessed February 20, 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 17, 2024 (Epi-Week 7)



### Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
<b>Brunei Darussalam</b>	-	-	-	-	-
<b>Cambodia</b>	-	-	-	-	-
<b>Indonesia<sup>1</sup></b>	Week 52 '23	10,284	0	11	0.11%
<b>Lao PDR</b>	-	-	-	-	-
<b>Malaysia<sup>2</sup></b>	Week 6	30	0	-	-
<b>Myanmar</b>	-	-	-	-	-
<b>Philippines<sup>3</sup></b>	Week 48 '23	2,576	0	16	0.62%
<b>Singapore<sup>4</sup></b>	Week 6	9	0	0	0.00%
<b>Thailand<sup>5</sup></b>	Week 6	429	35	0	0.00%
<b>Vietnam</b>	-	-	-	-	-
<b>Total</b>		<b>13,328</b>	<b>35</b>	<b>27</b>	<b>0.20%</b>

1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed February 20, 2024 (<https://developer-portal.bluedot.global/>)
3. Department of Health Website, accessed February 20, 2024 "Statistics," (<https://doh.gov.ph/statistics>)
4. Ministry of Health Singapore, accessed February 20, 2024, (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)
5. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed February 20, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **35** new measles cases since the previous report. The region reported **13,328** total cases with **0.20%** CFR.



## Media Monitoring for Vaccine-Preventable Diseases

Epidemiological Week 7 | February 11 - 17, 2024

### Global Situation for Vaccine-Preventable Diseases

#### Measles

- **Austria:** Measles cases have reached over 100 in Austria in 2024, with most in Lower Austria, Vienna, and Tyrol (Msuppersberger, 2024). State Councilor emphasizes the importance of vaccination as a safe precaution, stating that it is not a harmless childhood disease and adults can also become ill. The State Health Councilor and Vorarlberg State Medical Directorate recommend the triple combination measles-mumps-rubella (MMR) vaccination for both children and adults, ensuring that "over vaccination" is not possible. [\[Full article\]](#)
- **Israel:** The Israeli Ministry of Health reported four new measles cases, bringing the total to 18 (Xinhua, 2024). Most of these patients are not fully vaccinated against the virus. The ministry emphasizes the importance of vaccination for children and those with weakened immune systems, urges individuals to seek medical attention, avoid crowded places, and ensure they have received the measles vaccine. [\[Full article\]](#)
- **Italy:** Since the end of January, 24 cases of measles have been diagnosed in Tuscany, mainly in Pisa province (Bocci M, 2024). The disease, which disappeared immediately after the pandemic, has affected eleven people and is primarily infected adults. The region urges local health authorities to prevent the spread. [\[Full article\]](#)
- **Kazakhstan:** Since the start of the epidemic season, 450 people have been ill with measles in the Kostanay region, with 230 cases reported in 2024 (Averchenko, 2024). The majority are children under 14, with 70.9% being unvaccinated. The region has 44,500 who will be vaccinated, with 42,332 being vaccinated. An infectious disease specialist from Rudny City Hospital highlighted the seriousness of measles disease and its consequences. [\[Full article\]](#)
- **Russia:** The Saratov region has seen an increase in measles cases, with 49 detected in January and seven in February. This year, the number has increased more than 10 times compared to the previous year (Aksyonova, 2024). In January 2023, measles was found in only four people in the region. The virus also affected 20,292 people over a week, with the epidemic threshold exceeding 63% in all age groups except for children aged 0 to 2 years. Children aged 7 to 14 are most affected, but there is a 2.8% decrease compared to the previous week. [\[Full article\]](#)
- The **United States (US):** A measles case has been confirmed in Maricopa County, California, as cases increase in the U.S. and overseas (News Flash, 2024). The Maricopa County Department of Public Health (MCDPH) is investigating the case, which is highly contagious and can spread through the air. Unvaccinated individuals are at the highest risk of developing the disease, as the virus can survive in the air for several hours. Measles can cause serious illness, especially in young children, pregnant women, and those with depressed immune systems. Symptoms include high fever, cough, runny nose, and red or watery eyes. It can take up to 21 days for a person infected to show symptoms. If you experience symptoms, self-isolate, stay away from others, and contact your healthcare provider. [\[Full article\]](#)
- The **United Kingdom (UK):** Doctors have diagnosed nearly 1,000 Measles cases this year, with 30 in Essex (Lee, 2024). The UK declared measles elimination in 2017 due to high measles-mumps-rubella (MMR) vaccine coverage. However, with vaccine coverage at its lowest level in a decade, 959 suspected infections have been identified this year, including 335 in the last week. This is the highest number of suspected measles cases seen in the first five weeks of a year in over a decade. In 2022, there were 45 infections. [\[Full article\]](#)



## Pertussis

- **Spain:** Whooping cough cases in Catalonia have increased significantly, with 342 cases infected in the first half of 2024, more than half of the total infections in 2023 (Velasco, 2024). Three new outbreaks have been detected, with 18 affected in Cerdanyola del Vallès (Barcelona), which are still under investigation. The disease is a contagious respiratory infection caused by *Bordetella pertussis* and can be potentially serious, especially in babies. [[Full article](#)]
- The **United States (US):** The Chelan-Douglas Health District (CDHD) has reported a pertussis outbreak at a local school, with four confirmed cases and several more under investigation (Source ONE News Staff, 2024). The disease is contagious and spreads easily through coughing and sneezing. The district emphasizes vaccination, wearing masks, and antibiotics as the primary treatment. It is collaborating with schools, healthcare providers, and the Washington State Department of Health to manage the outbreak. [[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 7 | From January 1, 2023 to February 17, 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	653	0	0.00%	7	0	0	-	-	-	37,362	104	0.28%
Indonesia	116,902	1,442	1.24%	81	0	0	152	152	100%	166,229	871	0.52%
Lao PDR	1,345	87	6.54%	1	0	0	-	-	-	32,841	20	0.06%
Malaysia	255,386	490	0.19%	9	0	0	25	25	100%	141,560	109	0.08%
Myanmar	8,181	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	814,991	243	0.03%	32	0	0%	Rabies-free Country			10,244	0	12,489
Thailand	47,347	891	1.90%	673	1	0.15%	6	6	100%	173,094	190	0.11%
Vietnam	100,747	20	0.02%	135	6	4.44%	82	82	100%	175,758	43	0.02%
<b>ASEAN Region</b>	<b>1,568,285</b>	<b>4,722</b>	<b>0.30%</b>	<b>943</b>	<b>7</b>	<b>0.74%</b>	<b>633</b>	<b>633</b>	<b>100%</b>	<b>941,621</b>	<b>2,024</b>	<b>0.21%</b>

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	33	0	0%	2,576	16	0.62%	198	50	25.25%
Singapore	27	0	0%	9	0	0%	-	-	-
Thailand	5,387	4	0.07%	429	0	0%	6	0	0.00%
Vietnam	349	1	0.29%	-	-	-	55	5	9.09%
<b>ASEAN Region</b>	<b>13,417</b>	<b>5</b>	<b>0.04%</b>	<b>13,328</b>	<b>27</b>	<b>0.20%</b>	<b>1,173</b>	<b>116</b>	<b>9.89%</b>



## References

- 8world (2024) 香港新增一起猴痘病例 潜伏期内曾到访我国, 8world. Available at: <https://www.8world.com/greater-china/hk-monkeypox-2374411> (Accessed: 16 February 2024).
- Aksyonova, P. (2024) Превышение более чем в 10 раз. В Саратовской области все больше жителей заболевают корью, ИА 'Версия-Саратов'. Available at: <https://nversia.ru/news/prevyshenie-bolee-chem-v-10-raz-v-saratovskoy-oblasti-vse-bolshe-zhiteley-zabolevayut-koryu/> (Accessed: 16 February 2024).
- Averchenko, D. (2024) Почти 450 человек заболели корью в Костанайской области, Казинформ. Available at: <https://www.inform.kz/ru/pochti-450-chelovek-zaboleli-koryu-v-kostanayskoy-oblasti-8cc87e> (Accessed: 16 February 2024).
- Aziz, F. (2024) Positive sign as covid-19 cases on a downward trend, The Star. Available at: <https://www.thestar.com.my/news/nation/2024/02/13/positive-sign-as-covid-19-cases-on-a-downward-trend> (Accessed: 14 February 2024).
- BanglaNews24.com (2024) Bangladesh reports 51 covid-19 cases in 24 Hours, banglanews24.com. Available at: <https://www.banglanews24.com/english/national/news/bd/139099.details> (Accessed: 14 February 2024).
- BanglaNews24 (2024) Covid-19: Bangladesh reports 44 cases in 24 Hours, banglanews24.com. Available at: <https://www.banglanews24.com/english/health/news/bd/139258.details> (Accessed: 16 February 2024).
- Bernama (2024) Health D-G: Dengue cases down from Feb 4 to 10, one death reported nationwide, Malay Mail. Available at: [https://www.malaymail.com/news/malaysia/2024/02/11/health-d-g-dengue-cases-down-from-feb-4-to-10-one-death-reported-nationwide/117517#google\\_vignette](https://www.malaymail.com/news/malaysia/2024/02/11/health-d-g-dengue-cases-down-from-feb-4-to-10-one-death-reported-nationwide/117517#google_vignette) (Accessed: 12 February 2024).
- Bocci, M. (2024) Tuscany, 11 people hospitalized due to measles, la Repubblica. Available at: <https://firenze.repubblica.it/cronaca/2024/02/13/news/toscana-11-persone-ricoverate-a-causa-del-morbillo-422125690/> (Accessed: 14 February 2024).
- BSS (2024) 14 dengue patients hospitalised: News, Bangladesh Sangbad Sangstha. Available at: <https://www.bssnews.net/news/172981> (Accessed: 12 February 2024).
- Goh, R. (2024) Dengue cases: Weekly cases remain high, as mosquito breeding sites in residences doubled in January compared to 2023, Yahoo! News. Available at: <https://sg.news.yahoo.com/dengue-cases-weekly-cases-high-mosquito-breeding-sites-residences-doubled-january-070435842.html> (Accessed: 16 February 2024).
- Jango, A.E. (2024) Dinkes Mimika temukan 217 kasus DBD AWAL 2024, Antara News Papua. Available at: <https://papua.antaranews.com/berita/716247/dinkes-mimika-temukan-217-kasus-dbd-awal-2024> (Accessed: 12 February 2024).
- Khaidir, M. (2024) Januari–Februari diskus Kutim Tangani 156 kasus DBD, Prokal. Available at: <https://www.prokal.co/kalimantan-timur/1774162060/januarifebruari-diskus-kutim-tangani-156-kasus-dbd> (Accessed: 16 February 2024).
- Kurcz, C. (2024) Vaccination Protects against serious illness: Confirmed case of measles in the city of Salzburg, MeinBezirk.at. Available at: [https://www.meinbezirk.at/salzburg-stadt/gesundheitsbestaetigung-masernfall-in-der-stadt-salzburg\\_a6527028](https://www.meinbezirk.at/salzburg-stadt/gesundheitsbestaetigung-masernfall-in-der-stadt-salzburg_a6527028) (Accessed: 14 February 2024).
- Lee, M. (2024) Interactive map shows where 30 measles cases have been reported in Essex, Essex Live. Available at: <https://www.essexlive.news/news/essex-news/interactive-map-shows-30-measles-9099006> (Accessed: 16 February 2024).
- Mirage News (2024) South Australia covid update as at 16 February 2024, Mirage News. Available at: <https://www.miragenews.com/south-australia-covid-update-as-at-16-february-1175500/> (Accessed: 16 February 2024).
- Msuppersberger (2024) Measles has arrived in Vorarlberg, vol.at. Available at: <https://www.vol.at/masern-sind-in-vorarlberg-angekommen/8558896> (Accessed: 12 February 2024).
- NEA (2024) Dengue cases, National Environment Agency. Available at: <https://www.nea.gov.sg/dengue-zika/dengue-cases> (Accessed: 12 February 2024).
- News Flash (2024) Measles case confirmed in Maricopa County as cases rise in U.S., overseas, Maricopa County, AZ. Available at: <https://www.maricopa.gov/CivicAlerts.aspx?AID=2871> (Accessed: 12 February 2024).
- News, R. (2024) Covid-19 update: 5878 new cases, 15 deaths, RNZ. Available at: <https://www.rnz.co.nz/news/national/508960/covid-19-update-5878-new-cases-15-deaths> (Accessed: 12 February 2024).
- News, T.M. (2024) Thailand medical experts warn of a dengue crisis as almost 8,200 cases and 13 deaths reported in January 2024!, Thailand Medical Experts Warn Of A Dengue Crisis As Almost 8,200 Cases And 13 Deaths Reported In January 2024! - Thailand Medical News. Available at: <https://www.thailandmedical.news/news/thailand-medical-experts-warn-of-a-dengue-crisis-as-almost-8200-cases-and-13-deaths-reported-in-january-2024> (Accessed: 12 February 2024).
- Newsdirectory3 (2024) Thailand's covid-19 situation: 537 new infections, 5 deaths, and 344 in serious condition last week, News Directory 3. Available at: <https://www.newsdirectory3.com/thailands-covid-19-situation-537-new-infections-5-deaths-and-344-in-serious-condition-last-week/> (Accessed: 14 February 2024).
- Nuckcheddy, P.A. (2024) A second death linked to dengue fever in Mauritius, Le Defi Media Group. Available at: <https://defimedia.info/un-deuxieme-deces-lie-la-dengue-maurice> (Accessed: 14 February 2024).
- Observer Online Report (2024) 29 new Covid cases reported in country -, The Daily Observer. Available at: <https://www.observerbd.com/news.php?id=459617> (Accessed: 12 February 2024).
- Ojoko, I. (2024) Murang'a anthrax outbreak: The tragic consequence of misguided trust, BNN. Available at: <https://bnnbreaking.com/local-news/murang-anthrax-outbreak-the-tragic-consequence-of-misguided-trust> (Accessed: 12 February 2024).
- Online, T.S. (2024) Rising issue - cambodia records 10th confirmed case of Monkey Pox, The Star. Available at: <https://www.thestar.com.my/aseanplus/aseanplus-news/2024/02/13/rising-issue---cambodia-records-10th-confirmed-case-of-monkey-pox> (Accessed: 14 February 2024).
- Outlook India (2024) Covid-19: India Records 120 fresh cases, 1 death, Outlook India. Available at: <https://www.outlookindia.com/national/covid-19-india-records-120-fresh-cases-1-death> (Accessed: 16 February 2024).
- Pratidin, B. (2024) No dengue deaths in 24 hours, 13 in hospital, বাংলাদেশ (টিভিডন). Available at: <https://www.bd->





- [prafidin.com/dengue-update/2024/02/13/967341](https://prafidin.com/dengue-update/2024/02/13/967341)  
(Accessed: 14 February 2024).
- Quilinguing, U. (2024) *Doh raises alert level as Northern Mindanao sees alarming surge in dengue cases*, RAPPLER. Available at: <https://www.rappler.com/nation/mindanao/doh-raises-alert-level-northern-mindanao-sees-alarming-surge-dengue-cases-february-2024/> (Accessed: 16 February 2024).
- Rahman, C. (2024) *188 Kasus Dbd di Oku Timur Hingga 10 Februari, Terbanyak Puskesmas gumawang, Tribunsumsel.com*. Available at: <https://sumsel.tribunnews.com/2024/02/13/188-kasus-dbd-di-oku-timur-hingga-10-februari-terbanyak-puskesmas-gumawang> (Accessed: 14 February 2024).
- ReliefWeb (2024) *Malaysia: Dengue prevention and control - DREF operational update (MDRMY010)- Malaysia*, ReliefWeb. Available at: <https://reliefweb.int/report/malaysia/malaysia-dengue-prevention-and-control-dref-operational-update-mdrmy010> (Accessed: 16 February 2024).
- Sandra (2024) *635 cas de dengue enregistrés depuis le 11 décembre 2023*, News Day FR. Available at: <https://news.dayfr.com/health/3389611.html> (Accessed: 12 February 2024).
- Salzburger Nachrichten (2024) *Second case of measles in Salzburg: 50 contact persons must be identified*, Salzburger Nachrichten. Available at: <https://www.sn.at/salzburg/chronik/zweiter-masernfall-salzburg-kontaktpersonen-153488509> (Accessed: 16 February 2024).
- Schniring, L. (2024) *Cambodia reports new fatal H5N1 avian flu case*, Center for Infectious Disease Research and Policy. Available at: <https://www.cidrap.umn.edu/avian-influenza-bird-flu/cambodia-reports-new-fatal-h5n1-avian-flu-case> (Accessed: 12 February 2024).
- Slekishin, M. (2024) *A woman who returned from Africa died of malaria in St. Petersburg*, Официальный сайт телеканала. Available at: [https://78.ru/news/2024-02-11/v-peterburge-ot-malyarii-umerla-vernuvshayasya-iz-afriki-zhenshina?utm\\_source=yxnews&utm\\_medium=desktop&utm\\_referrer=https](https://78.ru/news/2024-02-11/v-peterburge-ot-malyarii-umerla-vernuvshayasya-iz-afriki-zhenshina?utm_source=yxnews&utm_medium=desktop&utm_referrer=https) (Accessed: 14 February 2024).
- Sornito, I. (2024) *WV reports 2 'imported' malaria cases; DOH boosts surveillance for incoming ofws*, Panay News. Available at: <https://www.panaynews.net/wv-reports-2-imported-malaria-cases-doh-boosts-surveillance-for-incoming-ofws/> (Accessed: 12 February 2024).
- Source ONE News Staff (2024) *Whooping cough outbreak reported locally*, Source ONE News. Available at: [https://www.yoursourceone.com/columbia-basin/whooping-cough-outbreak-reported-locally/article\\_123331aa-cb9b-11ee-8e7a-b37270784dc2.html](https://www.yoursourceone.com/columbia-basin/whooping-cough-outbreak-reported-locally/article_123331aa-cb9b-11ee-8e7a-b37270784dc2.html) (Accessed: 16 February 2024).
- Standard, B. (2024) *India Records 114 new COVID infections, active cases stand at 870*: Health News, Business Standard. Available at: [https://www.business-standard.com/health/india-records-114-new-covid-infections-active-cases-stand-at-870-124021100252\\_1.html](https://www.business-standard.com/health/india-records-114-new-covid-infections-active-cases-stand-at-870-124021100252_1.html) (Accessed: 12 February 2024).
- Staff Le Matinal (2024) *New Dengue Epidemic: 539 active cases and 3 deaths recorded*, Le Matinal. Available at: <https://english.lematinal.media/new-dengue-epidemic-539-active-cases-and-3-deaths-recorded/> (Accessed: 16 February 2024).
- Statesman, T. (2024) *India Records 74 new covid-19 cases*, Asia News Network. Available at: <https://asianews.network/india-records-74-new-covid-19-cases/> (Accessed: 14 February 2024).
- Thiruvananthapuram (2024) *Deaths due to rabies: Three doses of vaccine were taken, but still...: Woman bitten by stray dog died of rabies*, India Today Malayalam. Available at: <https://malayalam.indiatoday.in/keralam/story/woman-bitten-by-a-stray-dog-died-of-rabies-869022-2024-02-10> (Accessed: 12 February 2024).
- Velasco, L. (2024) *Cataluña detecta tres brotes de Tos Ferina en el Vallès*, El País. Available at: <https://elpais.com/espana/catalunya/2024-02-15/cataluna-detecta-tres-brotes-de-tos-ferina-en-el-valles.html> (Accessed: 16 February 2024).
- VNA (2024) *Cambodia logs 12 cases of Monkeypox: World: Vietnam+ (vietnamplus)*, VietnamPlus. Available at: <https://en.vietnamplus.vn/cambodia-logs-12-cases-of-monkeypox/279548.vnp> (Accessed: 16 February 2024).
- VNA (2024) *Cambodia Records three more monkeypox cases: ASEAN: Vietnam+ (vietnamplus)*, VietnamPlus. Available at: <https://en.vietnamplus.vn/cambodia-records-three-more-monkeypox-cases/279448.vnp> (Accessed: 12 February 2024).
- Xinhua (2024) *Israel reports 4 new measles cases*, XinhuaNet. Available at: <https://english.news.cn/20240214/2024a72a30ef94ecd9225948bcce4a5c4/c.html> (Accessed: 14 February 2024).