



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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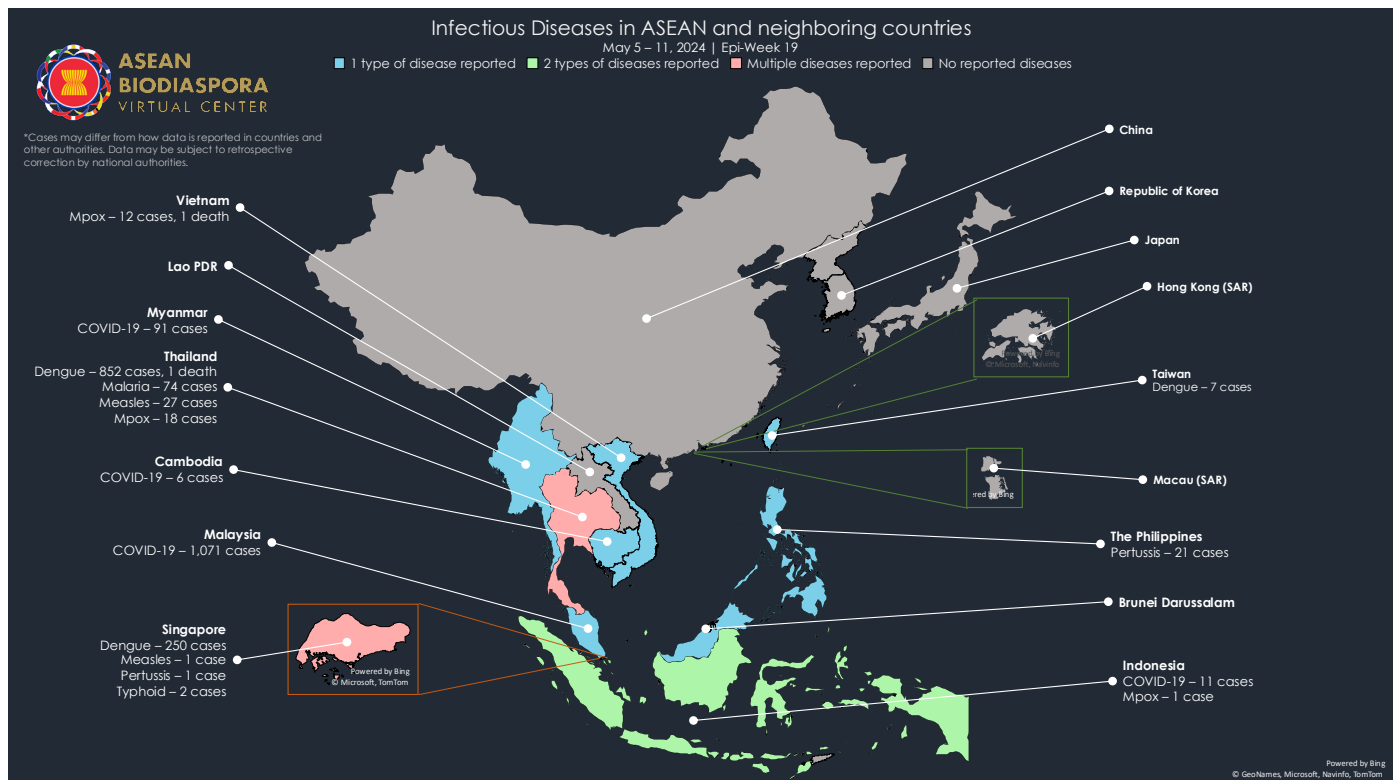
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## Key Findings

- 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.
- There is new sub-variant of COVID-19 found in United States and India namely “**KP.2**”, but not yet found in the ASEAN region. 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.
- Middle East Respiratory Syndrome (MERS-CoV) has been reported in Saudi Arabia.
- Dengue cases has increased compared to last year, but the trend is already subsides.

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

Epidemiological Week 19 | May 5 – 11, 2024



Source: AMS Official Sources, [Worldometer](#), [WHO](#), [Our World in Data](#), and [Bluedot Platform](#), accessed on May 14, 2024

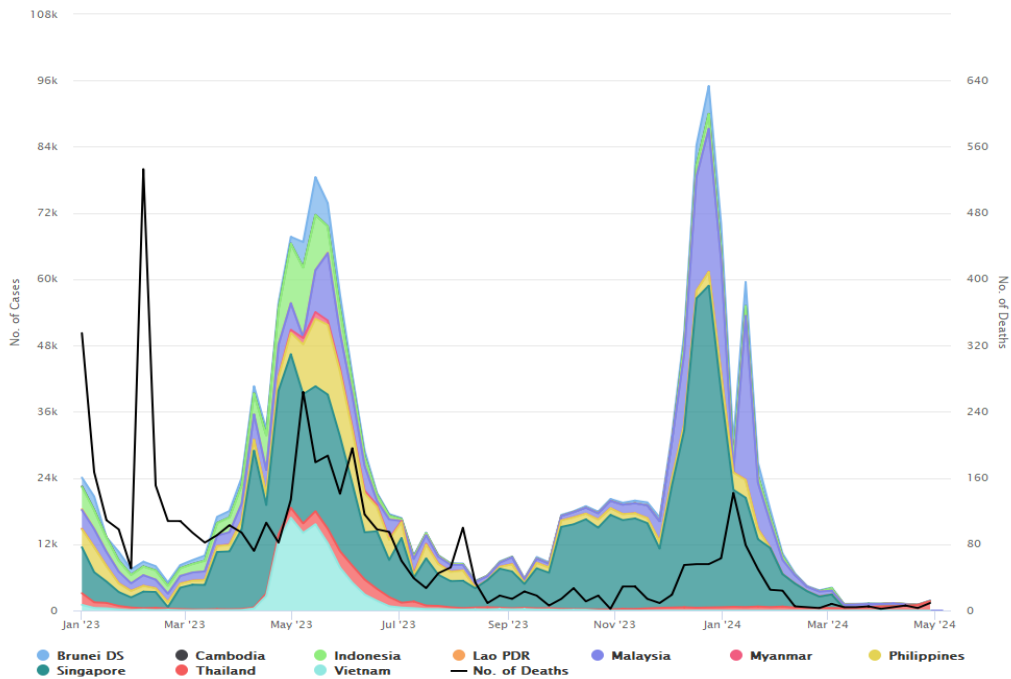
## EMERGING DISEASES

### COVID-19: Highlights and Situation Overview

- As of 11 May 2024 (5PM, GMT+7), there were **704,756,376** confirmed cases **worldwide**, including **7,010,668 deaths**. Globally, Case Fatality Rate (CFR) was **1.00%**.
- **36,997,581 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

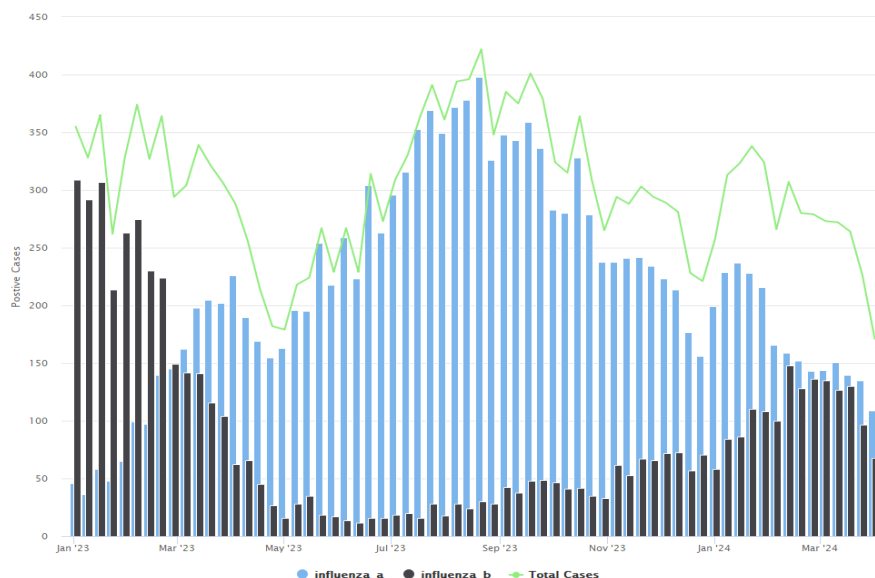
From January 1 to May 11, 2024



Source: [Worldometer](#), [WHO](#), and [Our World in Data](#), accessed on May 14, 2024

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

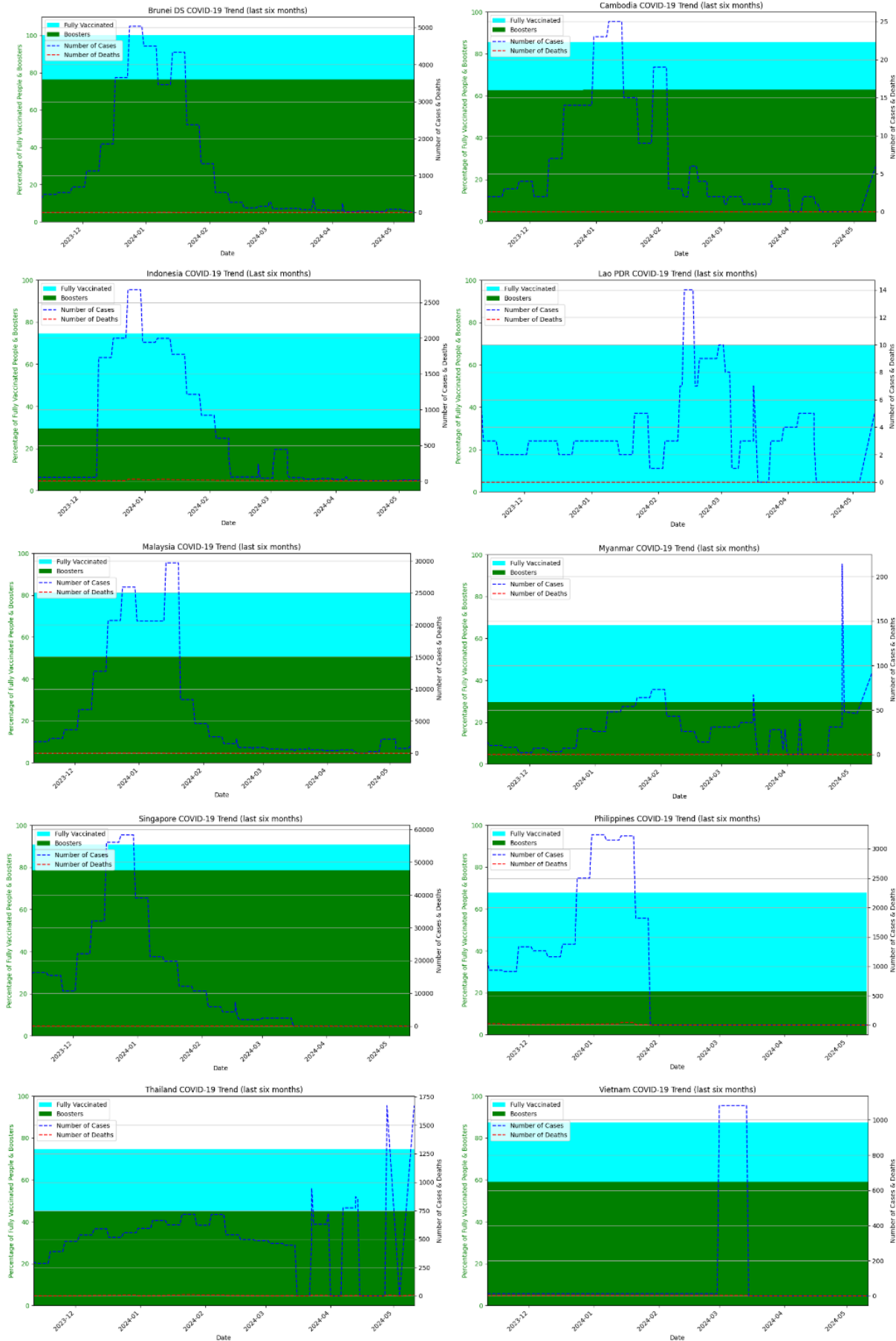
From January 1 to May 11, 2024



Source: FluNet, accessed on May 14, 2024 (<https://www.who.int/tools/fluNet>)

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

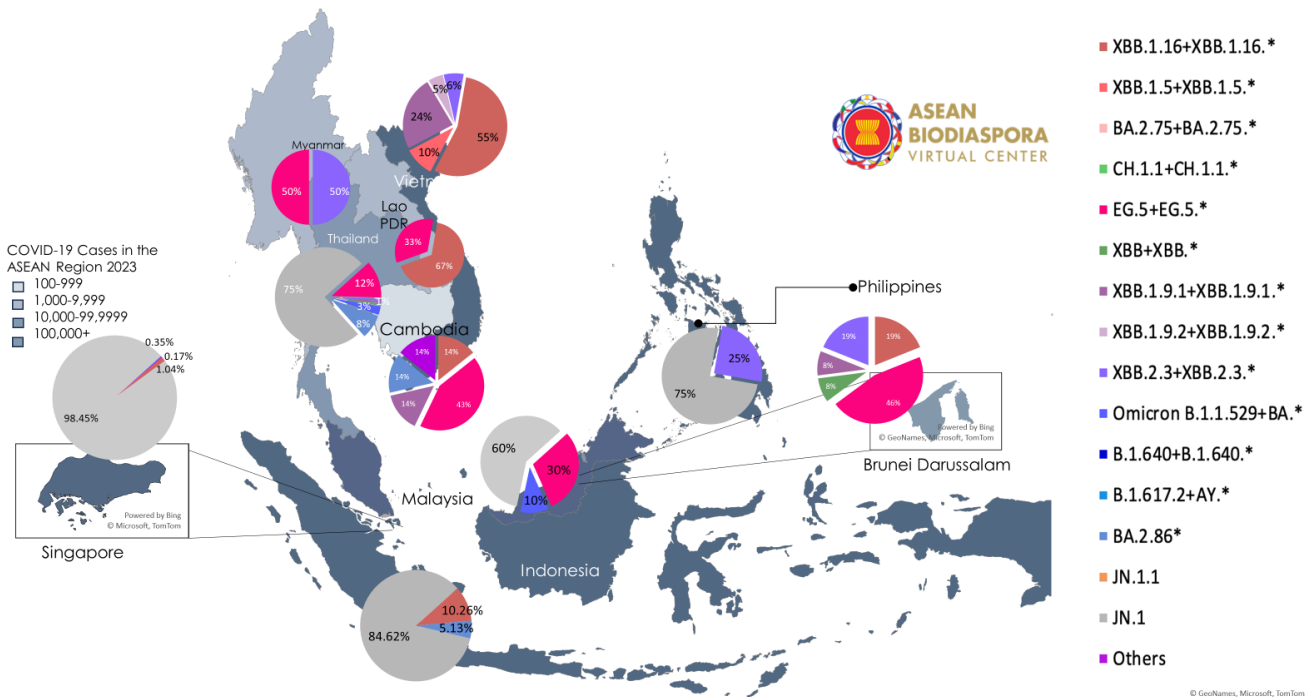
## From October 13, 2023 to May 11, 2024



Source: [Worldometer](#), [Our World In Data](#), and [WHO](#), accessed on May 14, 2024

## COVID-19 Variants Frequencies Among the ASEAN Member States

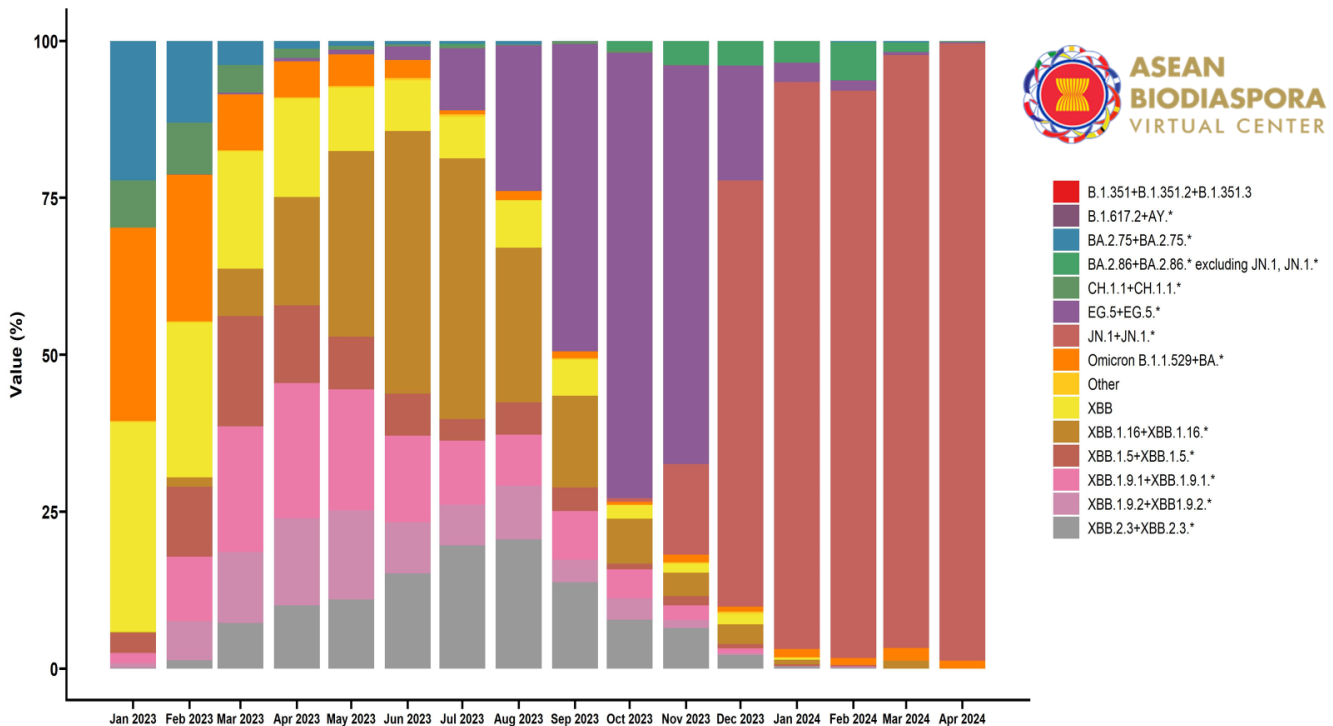
In April 2024



Source: GISAID. "hCoV-19 Variants Dashboard," accessed on May 14, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)

## COVID-19 Variants Frequencies in the ASEAN Region

From January 2023 to April 2024



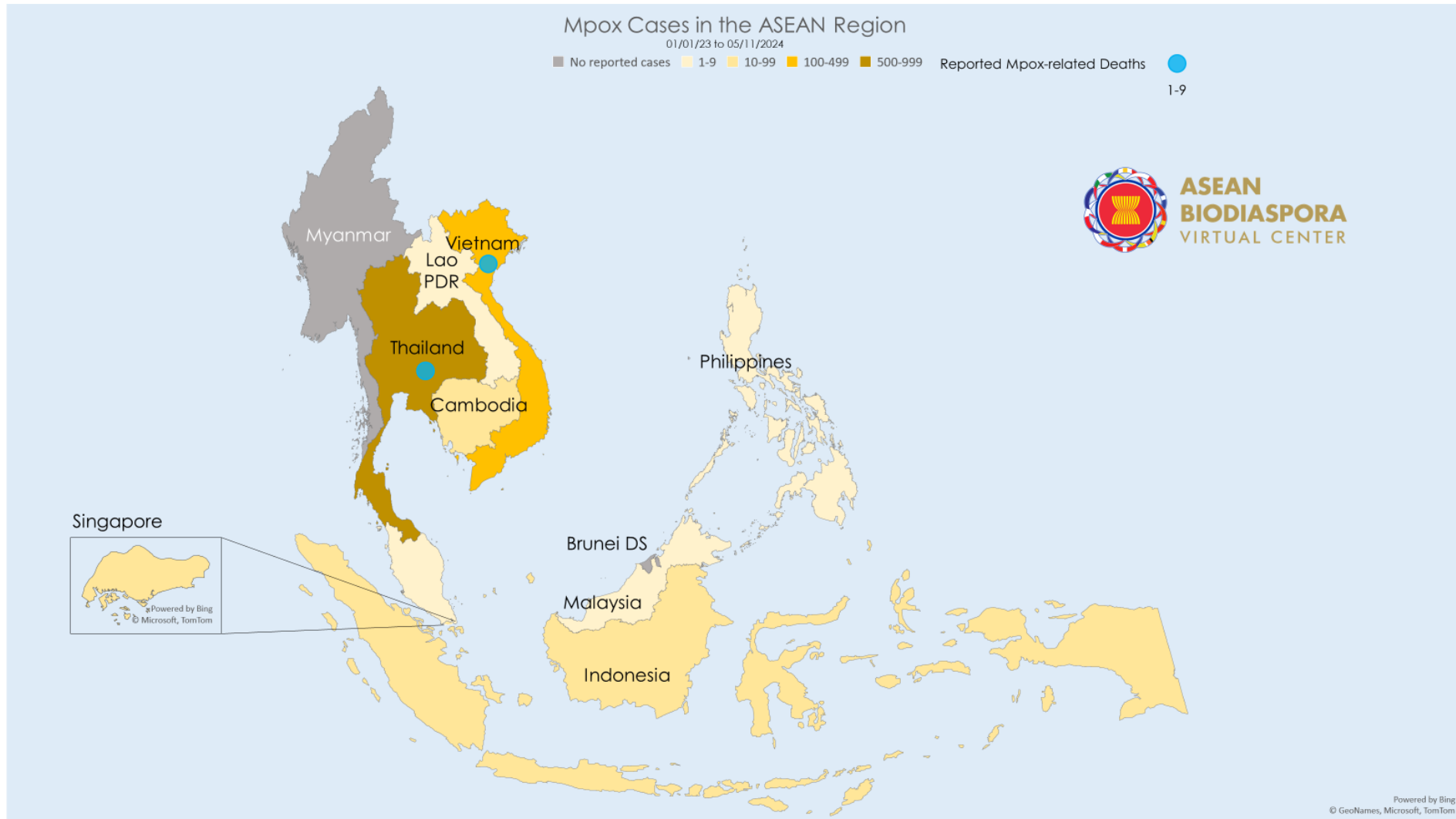
Source: GISAID. "hCoV-19 Variants Dashboard," accessed on May 14, 2024 (<https://gisaid.org/hcov-19-variants-dashboard/>)





## Mpox Cases Reported in the ASEAN Region

January 1, 2023 – May 11, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. Bluedot Platform, accessed on May 14, 2024 (<https://portal.bluedot.global>)
3. Ministry of Health Singapore, accessed May 14, 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 11 May 2024, **12,224** confirmed cases worldwide since 2023, including **126** deaths. Globally, the CFR was **1.03%**.
- **1071 confirmed cases** including **nine deaths** in the **ASEAN** region, with a CFR of **0.84%**.
- **11,153 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 May 11, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
Cambodia <sup>1</sup>	13	0	0	0.00%
Indonesia <sup>2</sup>	87	1	0	0.00%
Lao PDR <sup>1</sup>	1	0	0	0.00%
Malaysia <sup>1</sup>	9	0	0	0.00%
Philippines <sup>1</sup>	5	0	0	0.00%
Singapore <sup>3</sup>	40	0	0	0.00%
Thailand <sup>1</sup>	749	18	1	0.13%
Vietnam <sup>1</sup>	167	12	8	4.79%
<b>ASEAN Total</b>	<b>1071</b>	<b>31</b>	<b>9</b>	<b>0.84%</b>

Source:

1. Bluedot Platform, accessed on May 14, 2024 (<https://portal.bluedot.global/>)
2. Ministry of Health Republic of Indonesia
3. Ministry of Health Singapore, accessed on May 14, 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 May 11, 2024)

Country	Cumulative Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
United States of America	2,301	104	38	1.65%
People's Republic of China	2,030	2	1	0.05%
Democratic Republic of Congo	1,502	146	2	0.13%
Thailand	749	18	1	0.13%
Spain	464	8	0	0.00%

Source: Our World in Data, accessed on May 14, 2024 (<https://ourworldindata.org/monkeypox>)

## Mpox cases per region (Jan. 1, 2023 to May 11, 2024)

REGIONS	CUMULATIVE CASES	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS	CFR
AFRICA	1,723	180	8	0.46%
AMERICAS	4,425	149	87	1.97%
ASEAN	1,071	31	9	0.84%
ASIA & OCEANIA	3,562	40	17	0.48%
EUROPE	1,443	123	5	0.35%
<b>TOTAL</b>	<b>12,224</b>	<b>523</b>	<b>126</b>	<b>1.03%</b>

Source: Our World in Data, accessed on May 14, 2024 (<https://ourworldindata.org/monkeypox>)



## Media Monitoring for Emerging Diseases

Epidemiological Week 19 | May 5 – 11, 2024

### Global Situation for Emerging Diseases

#### COVID-19

- **Bangladesh** reported new COVID-19 cases in a week, increasing its total caseload to 2,050,089 (Daily Bangladesh, 2024). The official death toll remains at 29,494, with recovery and death rates at 98.41% and 1.44%, respectively. [[Full article](#)]

#### Middle East Respiratory Syndrome (MERS-CoV)

- **Saudi Arabia** has reported four new cases of Middle East respiratory syndrome (MERS), a coronavirus that first emerged 12 years ago (BNO News, 2024). Two of the cases were caused by human-to-human transmission. The World Health Organization reported three cases in Riyadh between April 10 and April 17. The index case, a 56-year-old school teacher, had no clear history of exposure to MERS risk factors. Two more cases were found in the hospital, including a 60-year-old man who developed a fever and was admitted to the ICU. The fourth case, a 32-year-old man, had recent contact with camels and passed away on February 17. MERS has infected 2,613 people in 27 countries, including 941 who died. There is no vaccine or treatment for MERS, but several vaccines and therapeutics are currently in development. [[Full article](#)]

#### Mpox

- The **United States (US)**: The New York City Health Department has reported a significant rise in mpox cases since October 2023 (Herriman, 2024). The majority of cases were mild, with 73% not vaccinated or receiving only one dose. Most cases were Black or Hispanic, aged 25-44, and were not hospitalized. The virus is most likely to be introduced into the US through travel to endemic countries or with epidemiological links to those regions. Isolation vaccination and treatment strategies are expected to be effective for Clade I infections. [[Full article](#)]

### Regional Situation for Emerging Diseases

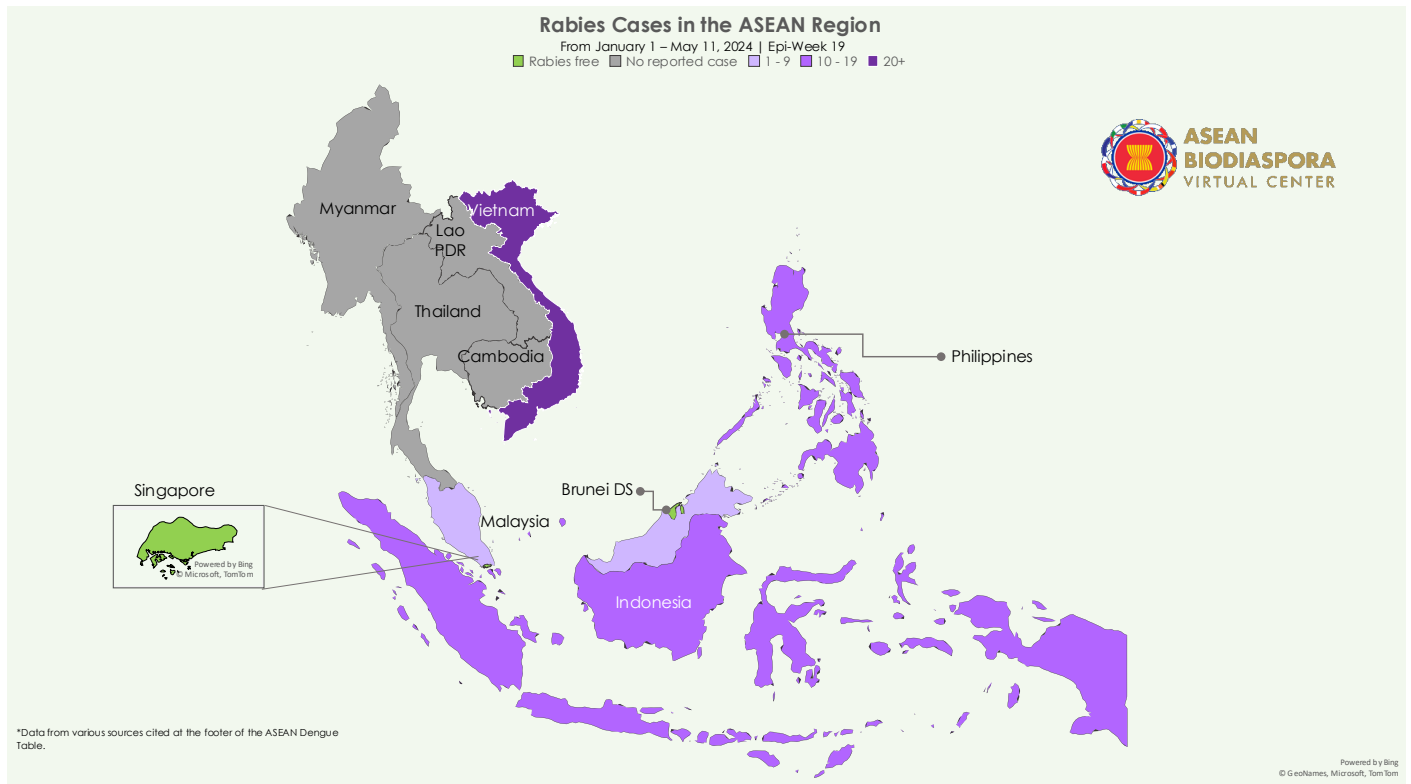
#### COVID-19

- **Thailand**: The Department of Disease Control predicts a continued rise in COVID-19 infections due to a surge in hospital admissions and deaths among at-risk groups since the Songkran holiday (Wipatayotin, A, (2024). 1,792 people were admitted to hospitals, with 12 deaths from April 28 to May 4. [[Full article](#)]

# ZOONOSIS

## Rabies Cases in the ASEAN Region

From January 1 to May 11, 2024 (Epi-Week 19)



## Rabies cases in the ASEAN region

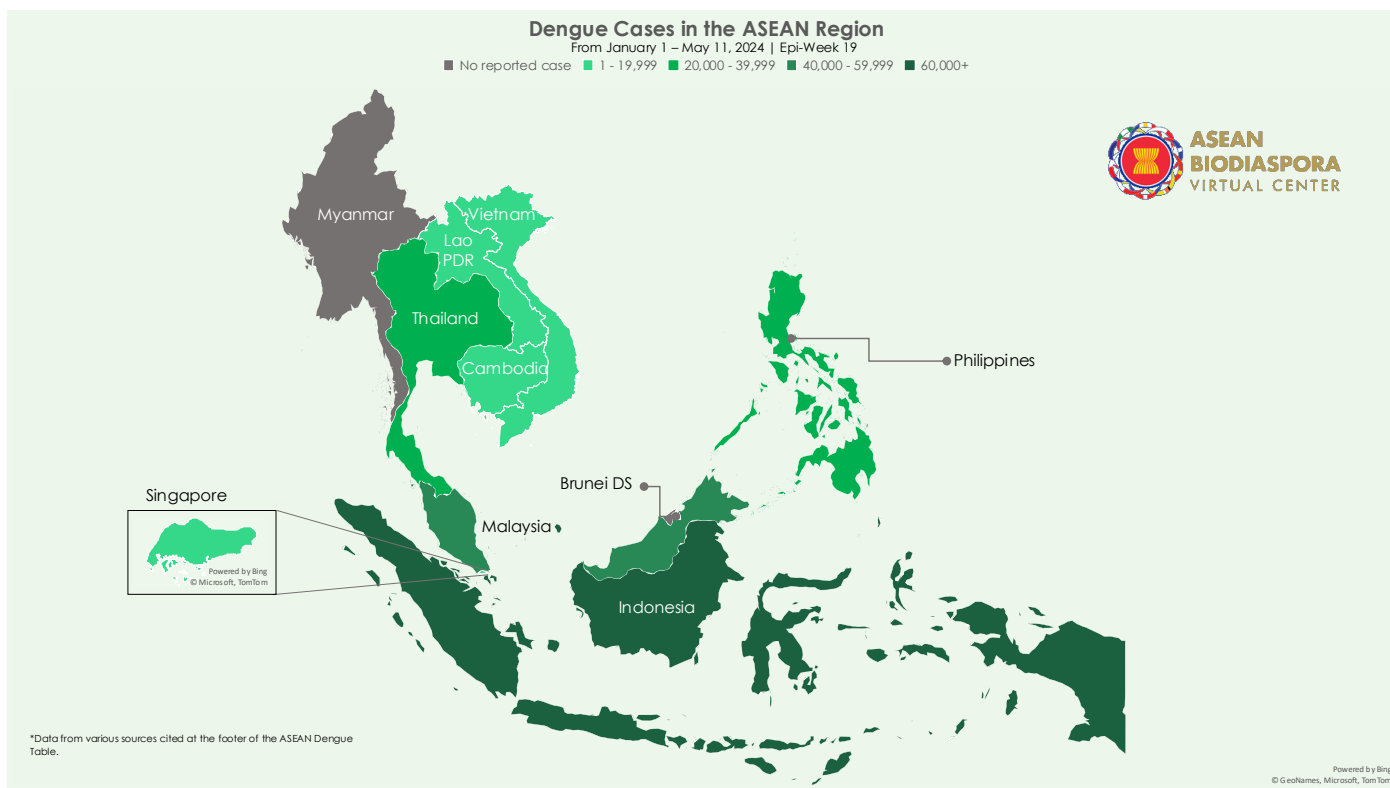
Country	Epi-Week Reported	Cumulative Rabies Cases	New Cases Since Previous Report	Cumulative Deaths	CFR
<b>Brunei Darussalam</b>			Rabies-free country		
<b>Cambodia</b>	-	-	-	-	-
<b>Indonesia<sup>1</sup></b>	Week 18	30	0	30	100%
<b>Lao PDR</b>	-	-	-	-	-
<b>Malaysia<sup>2</sup></b>	Week 4	3	0	3	100%
<b>Myanmar</b>	-	-	-	-	-
<b>Philippines<sup>2</sup></b>	Week 14	89	0	89	100%
<b>Singapore</b>			Rabies-free country		
<b>Thailand<sup>3</sup></b>	Week 17	1	0	1	0%
<b>Vietnam<sup>2</sup></b>	Week 14	29	0	29	100%
<b>Total</b>		<b>152</b>	<b>0</b>	<b>152</b>	<b>100%</b>

1. Ministry of Health, Republic of Indonesia  
 2. Bluedot Platform, accessed May 14, 2024 (<https://portal.bluedot.global/>)  
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed May 14, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **NO** new rabies cases since the previous report. The region reported **152** total cases with **100%** CFR.

## VECTOR-BORNE DISEASES

### Dengue Cases in the ASEAN Region From January 1 to May 11, 2024 (Epi-Week 19)



### 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 <sup>1</sup>	Week 15	5,062	0	17	0	0.34%
Indonesia <sup>2*</sup>	Week 17	88,593	0	621	0	0.70%
Lao PDR <sup>1</sup>	Week 16	2,170	0	0	0	0.00%
Malaysia <sup>3</sup>	Week 16	50,650	0	39	0	0.08%
Myanmar	-	-	-	-	-	-
Philippines <sup>4</sup>	Week 11	21,069	0	67	0	0.32%
Singapore <sup>5**</sup>	Week 18	6,816	250	0	0	0.00%
Thailand <sup>6***</sup>	Week 17	28,638	852	29	1	0.10%
Vietnam <sup>1</sup>	Week 16	16,111	0	1	0	0.01%
<b>Total</b>		<b>219,109</b>	<b>1,102</b>	<b>774</b>	<b>1</b>	<b>0.35%</b>

1. WHO WPRO, "Dengue," World Health Organization, accessed May 14, 2024 (<https://www.who.int/westpacific/emergencies/surveillance/dengue>).
  2. Ministry of Health, Republic of Indonesia
  3. Disease Control Division, Ministry of Health Malaysia, accessed May 14, 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 May 14, 2024, <https://developer-portal.bluedot.global/>.
  5. Ministry of Health, "Weekly Infectious Disease Bulletin", accessed May 14, 2024. <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2024/weekly-infectious-diseases-bulletin>
  6. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed May 14, 2024, <http://doe.moph.go.th/surdata/index.php>
- \*Data were updated and collected from official sources, which may have a 2-8 weeks delay in reporting. Data must be interpreted cautiously.  
 \*Notified dengue cases only includes severe cases Dengue Hemorrhagic fever (DHF) and Dengue Shock Syndrome (DSS)  
 \*\*Notified dengue cases only includes Dengue Fever (DF) and DHF  
 \*\*\*Notified dengue cases include all type of cases DF, DHF, and DSS

- The **ASEAN** region reported **1,102** new dengue cases since the previous report. The region reported **219,109** total cases with **0.35%** CFR.

## Malaria Cases in the ASEAN Region

From January 1 to May 11, 2024 (Epi-Week 19)



### Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Malaria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia <sup>1</sup>	Week 14	754	0	7	0.93%
Lao PDR	-	-	-	-	-
Malaysia <sup>1</sup>	Week 10	2	0	0	0.00%
Myanmar <sup>1</sup>	-	-	-	-	0.00%
Philippines <sup>1</sup>	Week 6	2	0	0	0.00%
Singapore <sup>3</sup>	Week 18	7	0	0	0.00%
Thailand <sup>2</sup>	Week 17	822	74	0	0.00%
Vietnam <sup>1</sup>	Week 11	1	0	0	0.00%
<b>Total</b>		<b>1,588</b>	<b>74</b>	<b>7</b>	<b>0.44%</b>

1. Bluedot Platform, accessed May 14, 2024 (<https://portal.bluedot.global/>)  
 2. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed May 14, 2024 (<http://doe.moph.go.th/surdata/index.php>)  
 3. Ministry of Health Singapore, accessed May 14, 2024 (<https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>)

- The **ASEAN** region reported **74** new malaria cases since the previous report. The region reported **1,588** total cases with **0.44%** CFR.

## Media Monitoring for Vector-borne Diseases

Epidemiological Week 19 | May 5 – 11, 2024

### Global Situation for Vector-borne Diseases

#### Dengue

- **Bangladesh:** Dengue in Bangladesh has increased to 29 fatalities this year, with 31 more patients hospitalized with viral fever (UBN News, 2024). The disease affected 1,705 people last year, making it the deadliest year on record. The Directorate General of Health Services (DGHS) recorded 321,179 cases and 3, 18,749 recoveries in 2024, with September being the deadliest month. [[Full article](#)]
- **India:** Six young children are being treated for dengue fever at Indira Gandhi Memorial Hospital (IMGH), with a record high in daily consultations (Raajje.mv, 2024). Doctor specialist at the hospital, advises patients to be closely monitored within 48 hours of onset and to be extra cautious for at least two days after the fever subsides. [[Full article](#)]
- **Maldives:** Dengue fever and chikungunya cases have been reported across the Maldives, with 660 cases reported between January and May 4 (Solih, 2024). The most common cases were reported in April, with 239 individuals contracting the disease. The highest number of cases was reported in Hulhumale' City, with 142 patients seeking medical attention. The highest number of chikungunya cases was reported in Male' City, with 193 cases. [[Full article](#)]
- **Nepal:** Dengue fever cases in Bagmati Province have risen to 11,409 which began on July 17, 2023. Dhading recorded the highest number of cases at 3,501, while Rasuwa had the lowest at two (Khabarhub, 2024). Districts like Kathmandu, Chitwan, Makwanpur, Bhaktapur, and Dolakha reported cases. The Health Office is launching a campaign to identify and eliminate mosquito breeding sites. [[Full article](#)]

#### Leptospirosis

- **India:** In the last four months, Rajasthan has reported at least 32 cases of Leptospirosis and 61 cases of Brucellosis, both transmitted to humans through rat urine and raw meat (ETV Bharat, 2024). Symptoms include high fever, mild blisters, headache, chills, muscle pain, stomach ache, vomiting, and diarrhea. If symptoms appear, immediate treatment is required, and if treatment is not received at the right time, many patients may die. [[Full article](#)]
- **Mauritius** has reported 20 cases of leptospirosis since early this year, with 5 positive in April (Radio One, 2024). The disease, primarily caused by rodents, causes fevers, muscle and joint pain, and can lead to complications like kidney, liver, or lung disease. [[Full article](#)]

### Regional Situation for Vector-borne Diseases

#### Dengue

- **Indonesia:** Dengue Hemorrhagic Fever (DHF) cases in Indonesia are expected to increase significantly until the 17<sup>th</sup> week of 2024, with a three-fold increase compared to the previous year, reaching 88,593 cases (K, N.S.S., 2024). Meanwhile, in 2023 there were 'only' 28,579 cases recorded. The total number of deaths due to dengue fever in 2024 will reach 621 people, an increase from 209 deaths in 2023 in the same time period. Bandung City and Regency both lead the highest number of new cases and highest deaths in 2024. [[Full article](#)]

In Situbondo District, Dengue Hemorrhagic Fever (DHF) remains a significant threat, particularly to children. At least three children have died due to contracting DHF and were referred to the hospital too late ( Laksana, 2024). In May 2024, the number of patients undergoing inpatient treatment at the Dr. Abdoer Rahem Situbondo General Hospital



reached nine. However, no reports of patients dying from DHF have been reported. The number of DHF cases has increased from early 2024 to April, reaching 450 cases. [\[Full article\]](#)

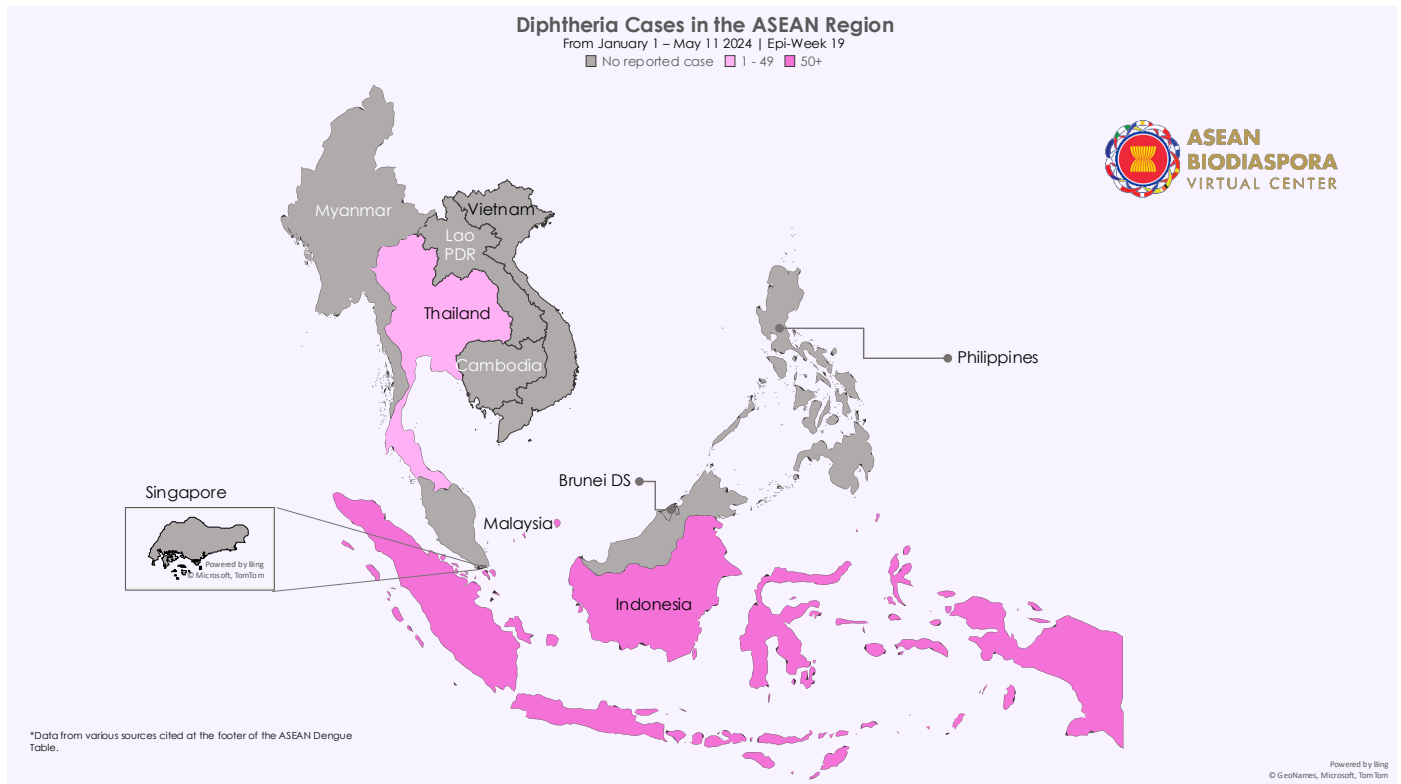
- **Malaysia:** Dengue fever cases decreased to 2,237 in the 17th Epidemiological Week from April 21-27, compared to 2,321 in the previous week (Online, T.S., 2024). No deaths due to complications were reported. The cumulative number of cases was 52,887, with 39 deaths due to complications. Hotspot localities were 63. [\[Full article\]](#)
- **Philippines:** Baguio City is intensifying its battle against dengue disease, dubbed "Denguerra," as summer begins its peak season (Dumlao, Artemio A, 2024). Barangays are mobilizing for search and destroy operations, and an online reporting system has been launched to capture cases. The city mayor has ordered preventive programs to prevent a repeat of the 2016 dengue season, with 260 cases recorded since January 1 as of April 25. [\[Full article\]](#)



## VACCINE-PREVENTABLE DISEASES

### Diphtheria Cases in the ASEAN Region

From January 1 to May 11, 2024 (Epi-Week 19)



### Diphtheria cases in the ASEAN region

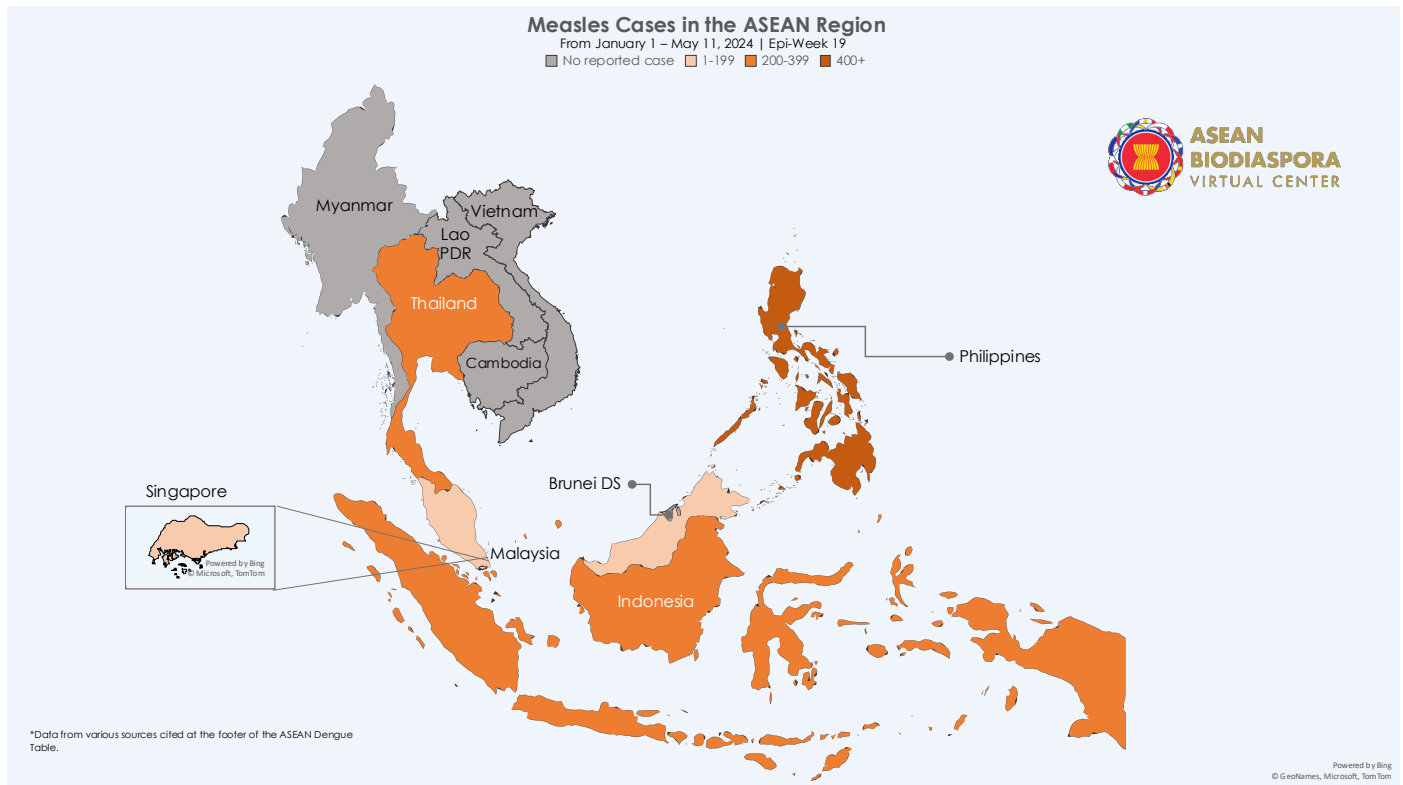
Country	Epi-Week Reported	Cumulative Diphtheria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia <sup>1</sup>	Week 17	248	0	12	4.84%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines <sup>2</sup>	-	-	-	-	-
Singapore <sup>3</sup>	Week 18	0	0	0	0%
Thailand <sup>4</sup>	Week 17	1	0	1	100%
Vietnam <sup>5</sup>	-	-	-	-	-
<b>Total</b>		<b>249</b>	<b>0</b>	<b>13</b>	<b>5.22%</b>

1. Ministry of Health, Republic of Indonesia.
2. Department of Health Website, accessed May 14, 2024 "Statistics" (<https://doh.gov.ph/statistics>)
3. Ministry of Health Singapore, accessed May 14, 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 May 14, 2024 (<http://doe.moph.go.th/surdata/index.php>)
5. BlueDot Platform, accessed May 14, 2024 (<https://developer-portal.bluedot.global/>)

- The ASEAN region reported **NO** new diphtheria cases since the previous report. The region reported **249** total cases with **5.22%** CFR.

## Measles Cases in the ASEAN Region

From January 1 to May 11, 2024 (Epi-Week 19)



### 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 <sup>1</sup>	Week 17	504	0	0	0.00%
Lao PDR	-	-	-	-	-
Malaysia <sup>2</sup>	Week 11	34	0	0	0.00%
Myanmar	-	-	-	-	-
Philippines <sup>2</sup>	Week 15	2,500	0	3	0.12%
Singapore <sup>4</sup>	Week 18	7	1	0	0.00%
Thailand <sup>5</sup>	Week 17	697	27	0	0.00%
Vietnam <sup>2</sup>	Week 13	42	0	0	0.00%
<b>Total</b>		<b>3,784</b>	<b>28</b>	<b>3</b>	<b>0.08%</b>

1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed May 14, 2024 (<https://developer-portal.bluedot.global/>)
3. Ministry of Health Singapore, accessed May 14, 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 May 14, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **28** new measles cases since the previous report. The region reported **3,784** total cases with **0.08%** CFR.



## Media Monitoring for Vaccine-Preventable Diseases

Epidemiological Week 19 | May 5 – 11, 2024

### Global Situation for Vaccine-Preventable Diseases

#### Measles

- **Germany:** Measles cases in Lower Saxony have dropped from 13 in 2023 to eight in 2024, with most confirmed cases imported (Dpa, 2024). This is due to high vaccination rates, the Measles Protection Act, and consistent local health authorities' actions. Two small children in the Nienburg district were infected while visiting their family abroad, but they are doing well after a short hospital stay. The state health department emphasizes the importance of vaccination for effective protection against the contagious disease. Lower Saxony's rate of first and second measles vaccinations is slightly above the national average, but every visit to a doctor should be used to close gaps in vaccination status. The national average vaccination rate for infants and small children is 79.5%, while Lower Saxony's rate is 85.2%. [[Full article](#)]
- **Pakistan:** The measles outbreak in Dadu has resulted in 22 deaths and over 100 children admitted to hospitals due to inadequate facilities (Staff Report, 2024). Over 40 children have deteriorated due to lack of treatment, and authorities have not implemented specific measures to address the situation in Tehsils of Johi, Khairpur Nathan Shah, and Mehar. [[Full article](#)]
- **Russia:** Over 100 people have contracted measles in the Sverdlovsk region since January, with 93 cases reported in the first four and half months of 2023 (JustMedia, 2024). The disease is transmitted through airborne droplets and can cause complications in the respiratory, nervous, and gastrointestinal systems. The region received over 51,000 doses of the Vaktrivir vaccine. [[Full article](#)]
- The **United Kingdom (UK):** Ireland has reported 20 measles cases this year, with 13 more under investigation (Magliocco, 2024). Three outbreaks occurred in private homes, with one involving four, three, and two cases. The Health Protection Surveillance Centre (HPSC) reports 13 cases under investigation, including probable and possible cases that haven't been laboratory-confirmed. The majority of confirmed cases are aged 25-34, with one involving a 45-54 year old. The remaining cases range from 1 to 19 years old. [[Full article](#)]

#### Pertussis

- **Canada:** Eastern Newfoundland is experiencing an outbreak of whooping cough, with 42 cases reported since February, mainly affecting children (The Canadian Press, 2024). The health authority has opened an appointment-only testing in clinics for those experiencing symptoms or in contact with a confirmed infection. The province's chief medical officer of health has issued a news release urging residents to ensure their vaccinations are up to date. Whooping Cough is a highly contagious bacterial infection that can be prevented through routine childhood vaccinations and antibiotic treatment. [[Full article](#)]
- **Spain:** In Aragon, 290 cases of whooping cough have been recorded this year, with 10 cases in the last week (Heraldo, 2024). This is higher than the last five years, with a median of two affected people. The Aragonese Government's Public Health Surveillance Service, Begoña Adiego, acknowledged the increasing incidence of the disease, warning that it reproduces in cycles of five and six years. [[Full article](#)]



- **The United Kingdom (UK):** The Public Health Agency (PHA) has reported a significant increase in whooping cough cases in Northern Ireland, with 769 confirmed cases from the start of the year to 5 May (Glynn, 2024). This follows five babies dying in England from whooping cough. The PHA is urging pregnant women and parents of young children to book an appointment for the pertussis vaccine, which provides protection against diphtheria, tetanus, polio, Haemophilus influenzae type b (Hib), and hepatitis B. The vaccine is given as part of the childhood vaccination program to children aged 8, 12, and 16 weeks, and is available at GP practices. [[Full article](#)]
- **The United States (US):** The number of confirmed whooping cough cases in Henderson County has risen to 70, marking the most significant outbreak since 2017 (Chickering & Sandoval, 2024). The highly contagious infection affects the airways and lungs and is spread easily through coughing or sneezing. Most cases are among school-aged children, but many adults are diagnosed, including some who didn't realize they had pertussis. Health officials stress the importance of covering mouth and nose when coughing and sneezing, as well as frequent handwashing, to prevent transmission. Vaccination is the most effective protection against whooping cough. Residents needing a vaccine can contact their healthcare provider or the Henderson County Health Department. [[Full article](#)]

## Regional Situation for Vaccine-Preventable Diseases

### Measles

- The **Philippines:** The Department of Health (DOH) in the Philippines has reported over 2,000 cases of measles and rubella, an increase of 39% from the previous month (Villanueva, 2024). The Bangsamoro Autonomous Region in Muslim Mindanao has seen 1,177,299 children vaccinated against measles since May 1, aiming to reach its target of 1.3 million vaccines. The DOH urges parents and guardians to get their children vaccinated. [[Full article](#)]

### Pertussis

- The **Philippines:** Pertussis cases in Camarines Sur have been confirmed, with one death reported (BNFM Naga, 2024). The highly contagious disease, also known as whooping cough, is highly fatal to infants. The Department of Health-Bicol reports five laboratory-confirmed cases and seven clinical cases. [[Full article](#)]



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

Epidemiological Week 19 | From January 1 to May 11, 2024

Infectious Diseases	COVID-19			Mpox			Rabies			Dengue		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	82,279	77	0.10%	-	-	-	Rabies-free Country			-	-	-
Cambodia	682	0	0%	13	0	0%	-	-	-	5,062	17	0.34%
Indonesia	117,569	1,453	1.26%	87	0	0%	30	30	100%	88,593	621	0.70%
Lao PDR	1,384	87	6.55%	1	0	0%	-	-	-	2,170	0	0%
Malaysia	262,994	493	0.20%	9	0	0%	3	3	100%	50,650	39	0.08%
Myanmar	8,649	5	0.06%	-	-	-	-	-	-	-	-	-
Philippines	141,371	1,467	1.04%	5	0	0%	89	89	100%	21,069	67	0.32%
Singapore	819,481	313	0.04%	40	0	0%	Rabies-free Country			6,816	0	0%
Thailand	51,241	917	1.99%	749	1	0.13%	1	1	0%	28,638	29	0.10%
Vietnam	101,828	20	0.02%	167	8	4.79%	29	29	100%	16,111	1	0.01%
<b>ASEAN Region</b>	<b>1,587,478</b>	<b>4,832</b>	<b>0.32%</b>	<b>1,071</b>	<b>9</b>	<b>0.84%</b>	<b>152</b>	<b>152</b>	<b>100%</b>	<b>219,109</b>	<b>774</b>	<b>0.35%</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	754	7	0.93%	504	0	0%	248	12	4.84%
Lao PDR	-	-	-	-	-	-	-	-	-
Malaysia	2	0	0%	34	0	0%	-	-	-
Myanmar	-	-	-	-	-	-	-	-	-
Philippines	2	0	0%	2,500	3	0.12%	-	-	-
Singapore	7	0	0%	6	0	0%	0	0	0%
Thailand	822	0	0%	670	0	0%	1	1	100%
Vietnam	1	0	0%	42	0	0%	-	-	-
<b>ASEAN Region</b>	<b>1,588</b>	<b>7</b>	<b>0.44%</b>	<b>3,756</b>	<b>3</b>	<b>0.08%</b>	<b>249</b>	<b>13</b>	<b>5.22%</b>





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