

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

CONSULTANTS

ASEAN SECRETARIAT

Assistant Director and Head of Health Division
Human Development Directorate
Ferdinal Fernando, MDM, MD

Programme Coordinator for Mitigation for Biological
Threats (MBT) Phase 2
Michael Glen, MSSc

EDITORIAL TEAM

Editor-in-Chief
Abdurrahman, MPH

Managing Editor
Aldilas Achmad Nursetyo, MD, MS

Associate Editor
Abdul Haris Ibrahim, MHI

Copy Editor
Nur Ismi Hamid

Interns
Svetlana Pratiwi
Divva Kaamila
Natasha Alicia Putri

PUBLISHER

ASEAN Biodiaspora Virtual Center
2/F Ministry of Health, Jl. H.R. Rasuna Said, Blok X5, Kav.
4-9, Jakarta Selatan, Jakarta, Indonesia

E-mail: support@biodiaspora.org

Facebook: <https://facebook.com/ASEANBiodiaspora>

Instagram: <https://instagram.com/ASEANBiodiaspora>

Table of Contents

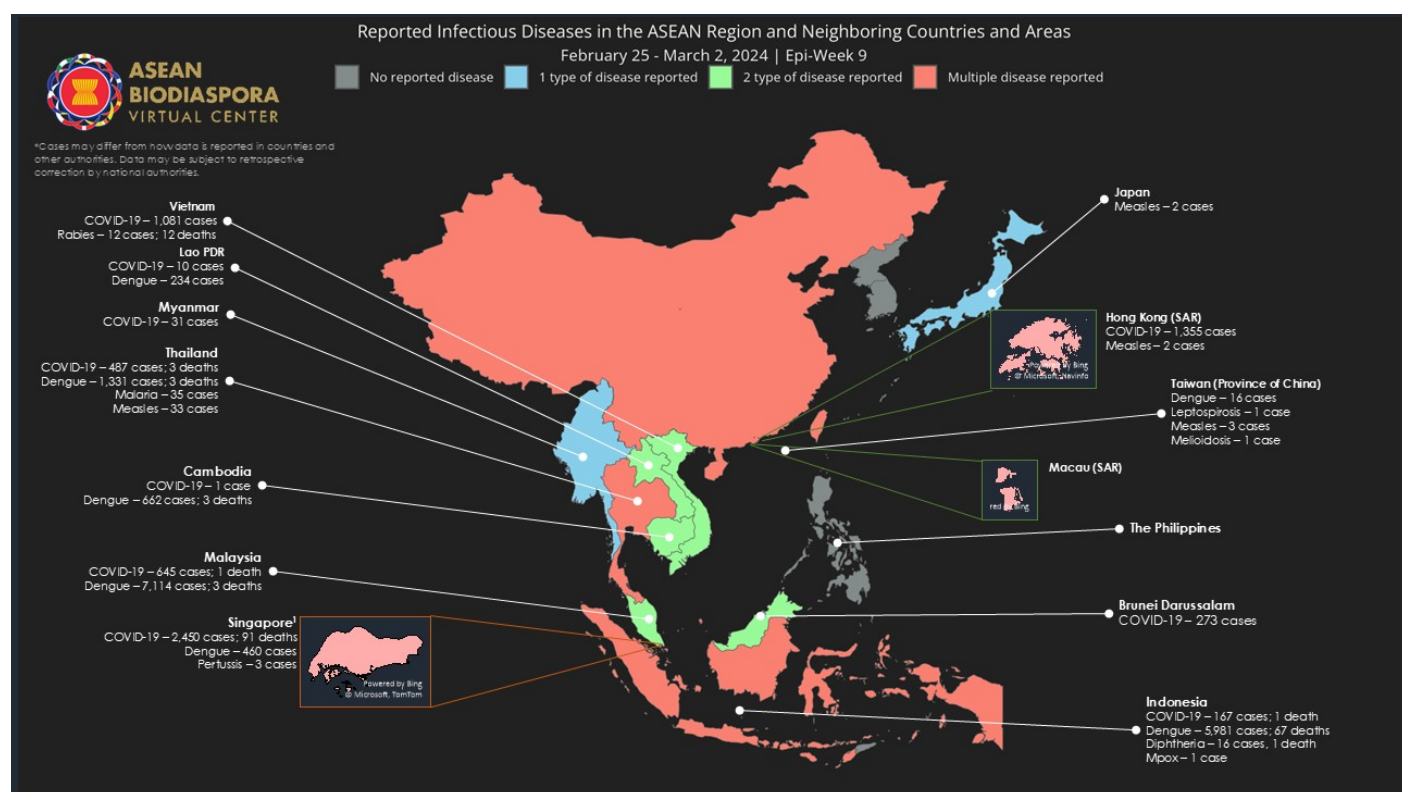
Key Findings	1	Vector-Borne Diseases	12
Reported Infectious Diseases in the ASEAN Region and Neighboring Countries	1	Dengue	12
Emerging Diseases	2	Dengue Cases in the ASEAN Region Map	12
COVID-19	2	Dengue Cases in the ASEAN Region Table	12
COVID-19 Cases and Deaths	2	Malaria	13
COVID-19 Cases in the ASEAN Region	2	Malaria Cases in the ASEAN Region Map	13
ASEAN Weekly COVID-19 Cases and Deaths	3	Malaria Cases in the ASEAN Region Table	13
Trends of Influenza Confirmed Cases in the ASEAN region	3	Media Monitoring for Vector-borne Diseases	14
Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS	4	Global Situation	14
COVID-19 Variants Frequencies Among the ASEAN Member States	5	Regional Situation	14
COVID-19 Variants Frequencies in the ASEAN Region	5	Vaccine-Preventable Diseases	15
Mpox	6	Diphtheria	15
Mpox Cases Reported in the ASEAN Region	6	Diphtheria Cases in the ASEAN Region Map	15
Mpox Highlights and Situation Overview	7	Diphtheria Cases in the ASEAN Region Table	15
Mpox Cases in the ASEAN Region	7	Measles	16
Top 5 Countries with Most Mpox Cases Globally	7	Measles Cases in the ASEAN Region Map	16
Mpox Cases per Region	7	Measles Cases in the ASEAN Region Table	16
Media Monitoring for Emerging Diseases	8	Media Monitoring for Vaccine-Preventable Diseases	17
Global Situation	8	Global Situation	17
Regional Situation	9	Annex 1. Infectious Diseases in the ASEAN Region in 2023-2024 – Summary Table	19
Zoonosis	10	References	20
Rabies	10		
Rabies Cases in the ASEAN Region Map	10		
Rabies Cases in the ASEAN Region Table	10		
Media Monitoring for Zoonosis	11		
Global Situation	11		
Regional Situation	11		

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 the early of March 2024.
- There is **one** new mpox case in the ASEAN region since the last report.
- The region also reported **12** new rabies cases since the last report.
- Dengue cases has increased by **15,782** 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 **33** new measles and **16** new diphtheria cases since the last report of vaccine-preventable diseases in the ASEAN region.

Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 9 | February 25 – March 2, 2024



Source: AMS Official Sources, [Worldometer](#), [WHO](#), [Our World in Data](#), and [BlueDot Platform](#), accessed on March 05, 2024

EMERGING DISEASES

COVID-19: Highlights and Situation Overview

- As of 2 March 2024 (5PM, GMT+7), there were **703,878,608** confirmed cases **worldwide**, including **7,003,614 deaths**. Globally, Case Fatality Rate (CFR) was **0.99%**.
- 36,987,208 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

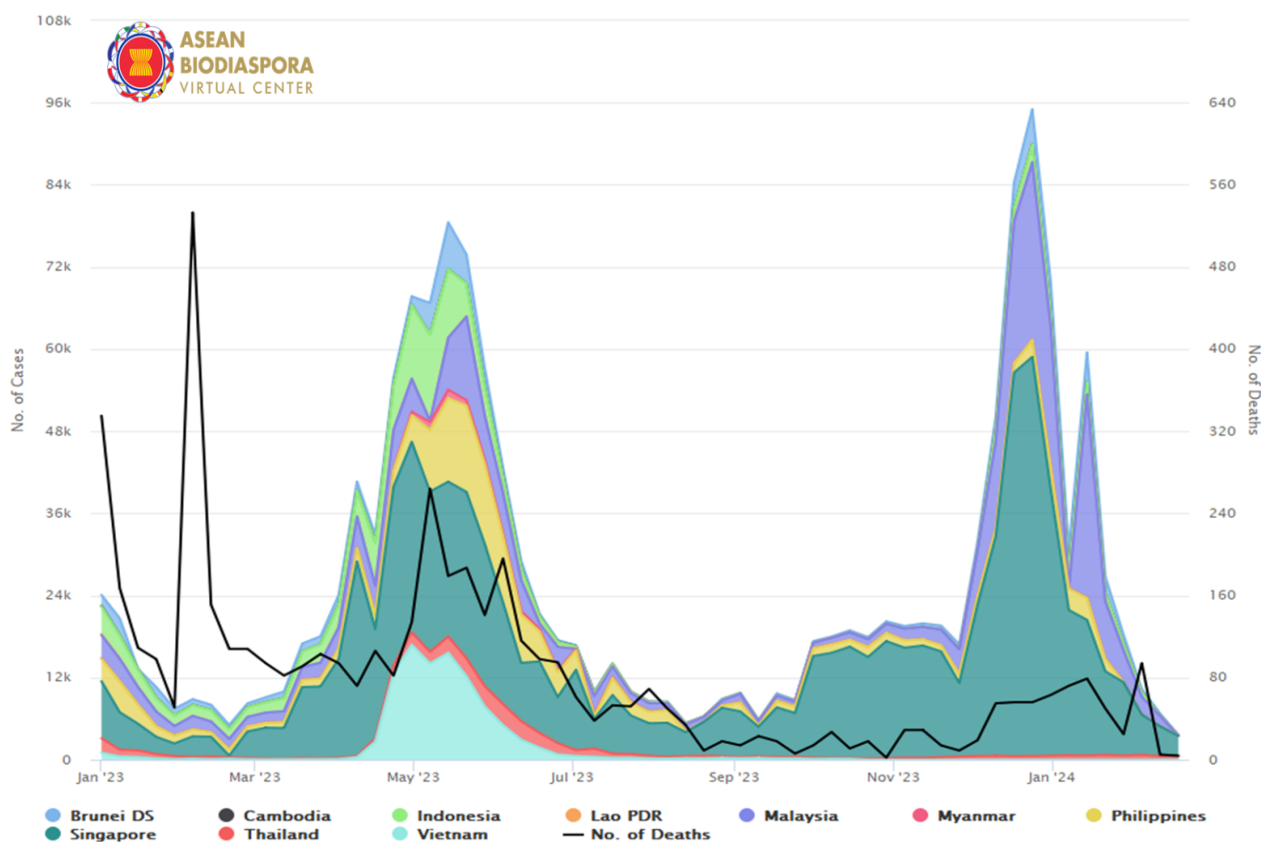
ASEAN MEMBER STATES	FIRST CONFIRMED CASES	LATEST REPORT ON CONFIRMED	CUMULATIVE CASES	CUMULATIVE CASES IN 2024	NEW CASES SINCE LAST REPORT	CUMULATIVE DEATHS	NEW DEATHS SINCE LAST REPORT	CUMULATIVE CASES/ 100,000
Brunei Darussalam	10-Mar-20	1-Mar-24	343,075	81,635	273	225	0	77,021
Cambodia	27-Jan-20	1-Mar-24	139,094	656	1	3,056	0	810
Indonesia	02-Mar-20	2-Mar-24	6,829,005	117,302	167	162,062	1	2,446
Lao PDR	24-Mar-20	29-Feb-24	218,950	1,364	10	758	0	2,927
Malaysia	25-Jan-20	25-Feb-24	5,276,312	256,912	645	37,348	1	15,902
Myanmar	23-Mar-20	29-Feb-24	641,801	8,226	31	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	1-Mar-24	3,006,155	819,481	2,450	2,024	91	50,578
Thailand	13-Jan-20	29-Feb-24	4,767,238	48,330	487	34,567	3	6,803
Vietnam	23-Jan-20	1-Mar-24	11,625,195	101,828	1,081	43,206	0	11,748
ASEAN REGION			36,987,208	1,577,105	5,145	369,605	96	5,438

REGIONS	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS
AFRICA	12,860,287	129	258,884	0
AMERICAS	201,474,266	144,434	3,058,065	16,948
ASEAN	36,987,208	5,145	369,605	96
ASIA & OCEANIA	199,324,246	15,307	1,216,417	150
EUROPE	253,232,601	39,427	2,100,643	313
GLOBAL TOTAL	703,878,608	204,442	7,003,614	17,507

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

ASEAN Weekly COVID-19 Cases and Deaths

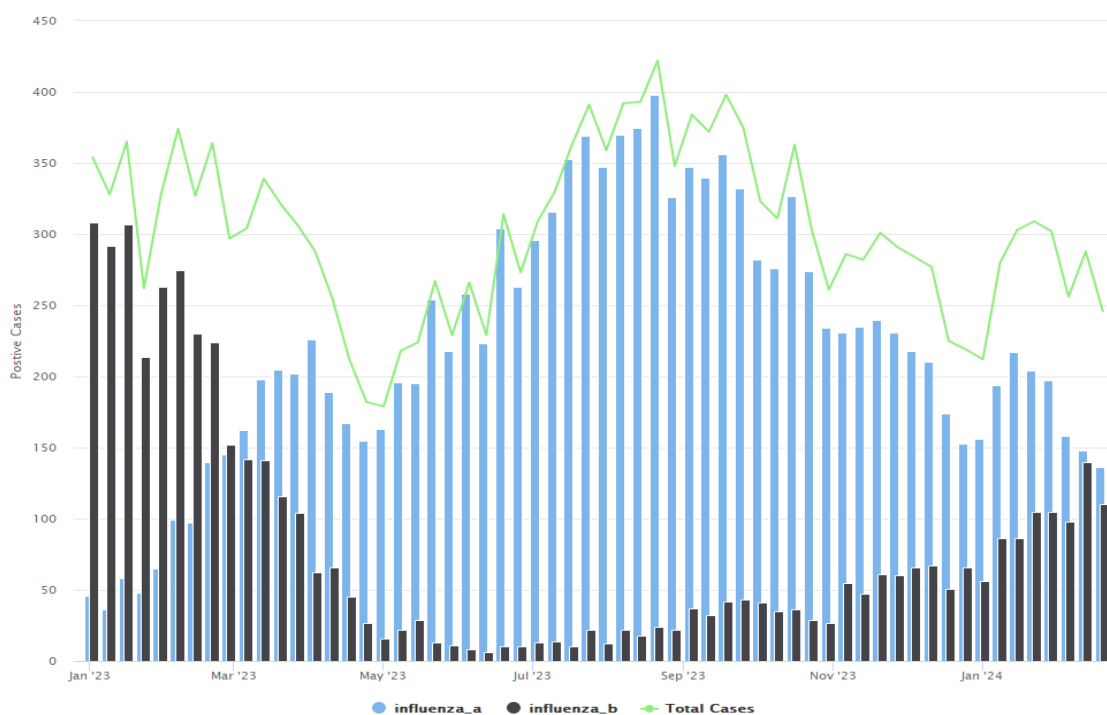
From January 1, 2023 to March 2, 2024



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

Trends of Influenza Confirmed Cases in the ASEAN region

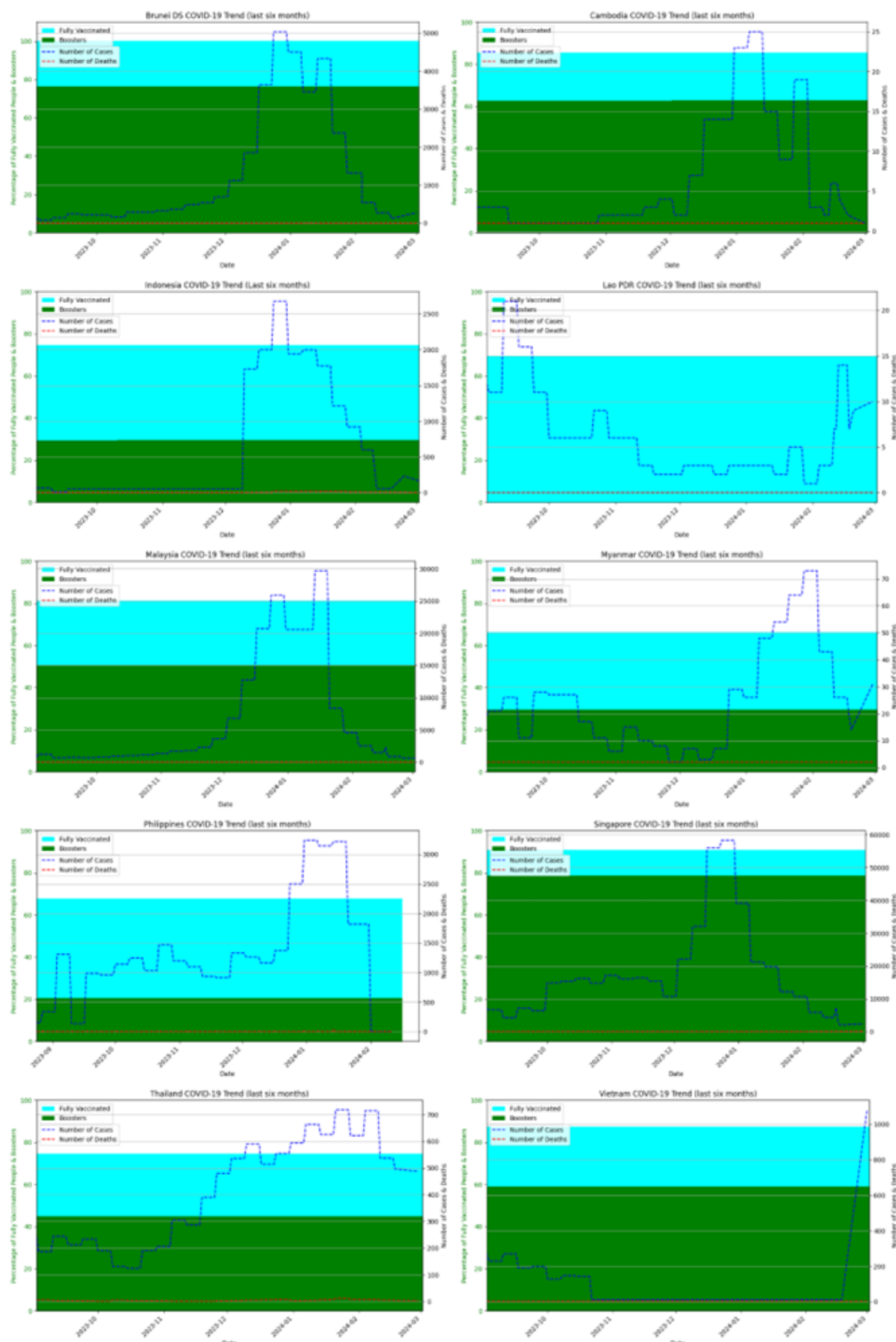
From January 1, 2023 to March 2, 2024



Source: FluNet, accessed on March 5, 2024 (<https://www.who.int/tools/fluNet>)

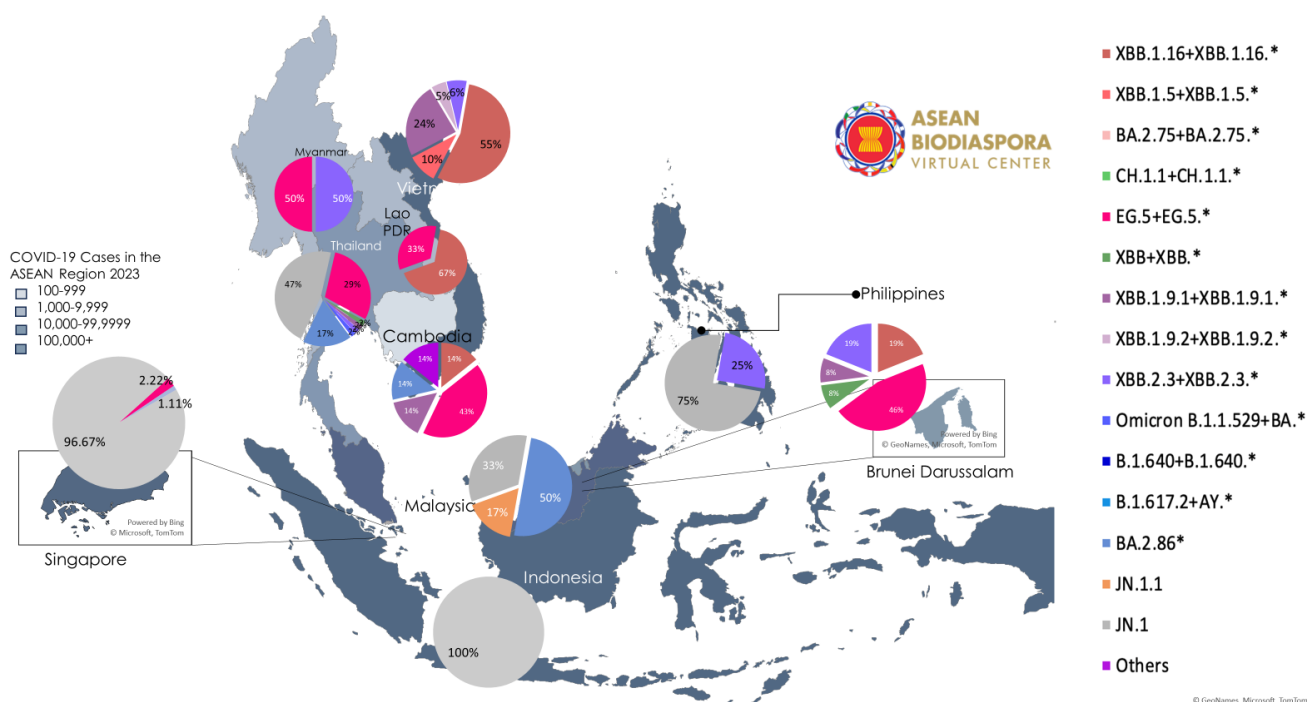
Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS

From July 1, 2023 to March 2, 2024

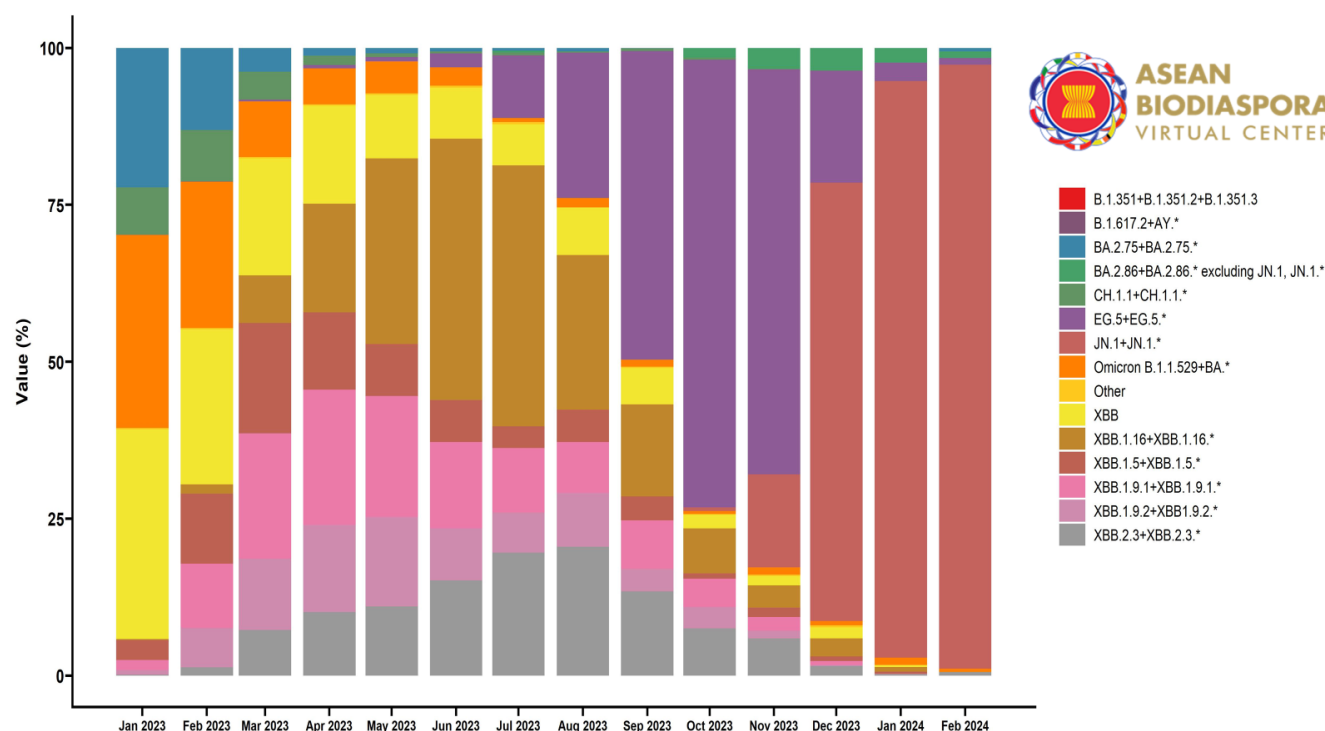


Source: [Worldometer](#), [Our World In Data](#), and [WHO](#)

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



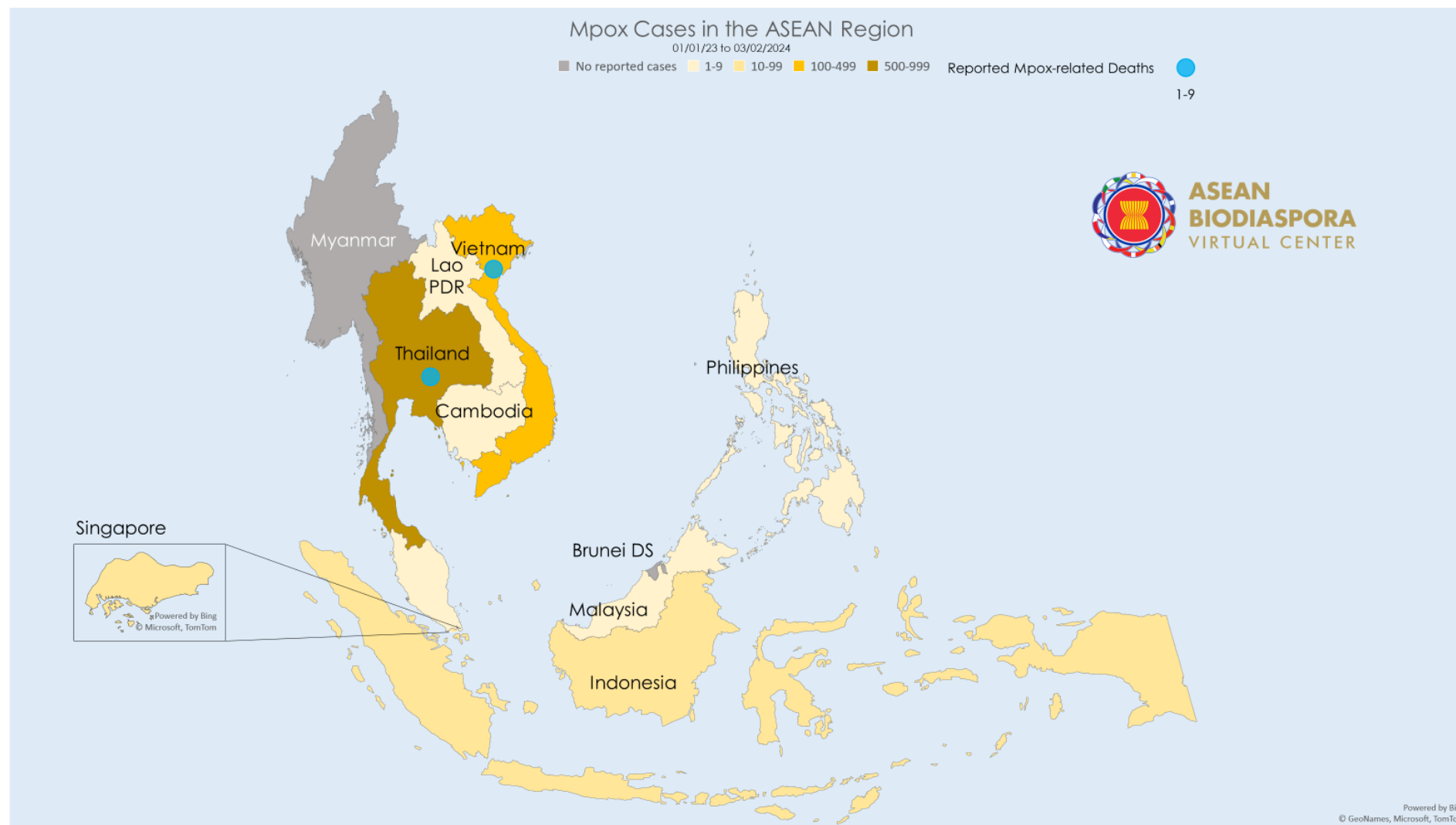
COVID-19 Variants Frequencies in the ASEAN Region From January 2023 to February 2024





Mpox Cases Reported in the ASEAN Region

January 1, 2023 – March 2, 2024



Source:

1. Ministry of Health Republic of Indonesia
2. Bluedot Platform, accessed on March 5, 2024 (<https://portal.bluedot.global>)
3. Ministry of Health Singapore, accessed March 5, 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 2 March 2024, **10,886** confirmed cases worldwide since 2023, including **119** deaths. Globally, the CFR was **1.09%**.
- 982 confirmed cases** including **seven deaths** in the **ASEAN** region, with a CFR of **0.71%**.
- 9,904 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 March 2, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
Cambodia ¹	4	0	0	0.00%
Indonesia ²	85	1	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	34	0	0	0.00%
Thailand ¹	709	0	1	0.14%
Vietnam ¹	135	0	6	4.44%
ASEAN Total	982	1	7	0.71%

Source:

1. Bluedot Platform, accessed on March 5, 2024 (<https://portal.bluedot.global/>)
2. Ministry of Health Republic of Indonesia
3. Ministry of Health Singapore, accessed on March 5, 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 March 2, 2024)

Country	Cumulative Cases 2023	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
People's Republic of China	2,022	0	1	0.05%
United States of America	1,973	0	37	1.88%
Democratic Republic of Congo	1069	0	2	0.19%
Thailand	709	0	1	0.14%
Brazil	456	0	2	0.44%

Source: Our World in Data, accessed on March 5, 2024 (<https://ourworldindata.org/monkeypox>)

Mpox cases per region (Jan. 1, 2023 to March 2, 2024)

REGIONS	CUMULATIVE CASES 2023	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS 2023	CFR
AFRICA	1,225	0	7	0.57%
AMERICAS	4,048	0	86	2.12%
ASEAN	982	0	7	0.71%
ASIA & OCEANIA	3,506	12	16	0.46%
EUROPE	1,125	0	3	0.27%
TOTAL	10,886	12	119	1.09%

Source: Our World in Data, accessed on March 5, 2024 (<https://ourworldindata.org/monkeypox>)

Media Monitoring for Emerging Diseases

Epidemiological Week 9 | February 25 – March 2, 2024

Global Situation for Emerging Diseases

COVID-19

- **Australia:** South Australia (SA) reported 1,496 new COVID-19 cases in the past week, with 4,281 people receiving a polymerase chain reaction (PCR) test, a 14% increase from the previous week (Adelaide, 2024). Rapid Antigen Tests are available for low-risk individuals with symptoms, and SA Health encourages vaccinations and a plan for vulnerable individuals to access PCR testing and antiviral treatments if they develop symptoms. [\[Full article\]](#)
- **Bangladesh** reported two more COVID-19-linked deaths raising the total fatalities to 29,490 (The Daily Observer, 2024). In a week there were 213 fresh cases reported until 28 February, 639 samples were tested, with a positivity rate of 8.92%. The country has 2,048,464 cases and 2,015,455 recoveries. [\[Full article\]](#)
- **Canada:** Ottawa Public Health reported 83 new confirmed cases and three new deaths during the period ending February 27 (Staff Reporter Ottawa, 2024). This week's reading brought the total number of Ottawa cases to 98,254 since the pandemic began in 2020, while 1,230 people have died. The health agency's weekly respiratory infections dashboard showed 12 new hospitalizations for flu patients in the seven days ending February 24, for a total of 199 this season. The report described flu levels as very high, the same as last week's data. Wastewater surveillance levels for flu continued to be very high, while levels for COVID-19 and respiratory syncytial virus (RSV) were described as "moderate." There were five new outbreaks of COVID-19 in long-term care facilities, three new outbreaks of RSV, and no new outbreaks of flu, while two outbreaks are ongoing. [\[Full article\]](#)
- **China** has experienced a significant increase in COVID-19 and influenza-related hospitalizations and deaths following the Chinese New Year holiday. Health officials in Beijing have admitted to a resurgence of the COVID-19 epidemic, with residents reporting a surge in infections and an uptick in deaths during the holiday week. The Beijing Center for Disease Control and Prevention (CDC) announced that respiratory infectious diseases in Beijing are currently caused by both influenza and COVID-19. The main circulating strain causing infections is the JN.1 variant, with a COVID-19 positivity rate in hospitals of 21.1% in the past week. The COVID-19 positivity rate in Beijing has risen from 6.4% before the holiday to a higher rate in just two weeks. [\[Full article\]](#)
- The **United Kingdom (UK):** The number of COVID-19 cases reported in the past week is slightly down from the previous week, with 6,084 cases reported as of midnight on 25 February (News R, 2024). 20 deaths were attributed to the virus, with 3,935 reinfections. Canterbury had the most cases, with 205 people in hospital. [\[Full article\]](#)
- The **United States (US):** Michigan has reported over 40,000 confirmed COVID-19 deaths, reaching 40,044 since the pandemic began in March 2020 (Bridge Staff, 2024). The state reported 3,071 new cases, down 7% from the previous week. The state's 164 hospitals reported 542 confirmed COVID-19 patients, down from 566 reported a week earlier. [\[Full article\]](#)

Indiana's COVID-19 death toll increased to 26,335 from 26,285 on February 13, with probable deaths increasing to 1,522 (Montgomery G, 2024). The total number of COVID-19-positive cases in Indiana rose to 2,200,358 from 2,194,098 on February 13. [\[Full article\]](#)

Nipah

- **Bangladesh:** From January 1 to February 9, 2024, two laboratory-confirmed cases of Nipah virus infection have been reported from the Dhaka division of Bangladesh (WHO, 2024). Both cases are unlinked, the first patient is a 38-year-old male from Manikganj district and the second patient is a three-year-old female from Shariatpur district. Both cases have died. WHO assesses the overall risk at the national levels to be moderate. [[Full article](#)]

Regional Situation for Emerging Diseases

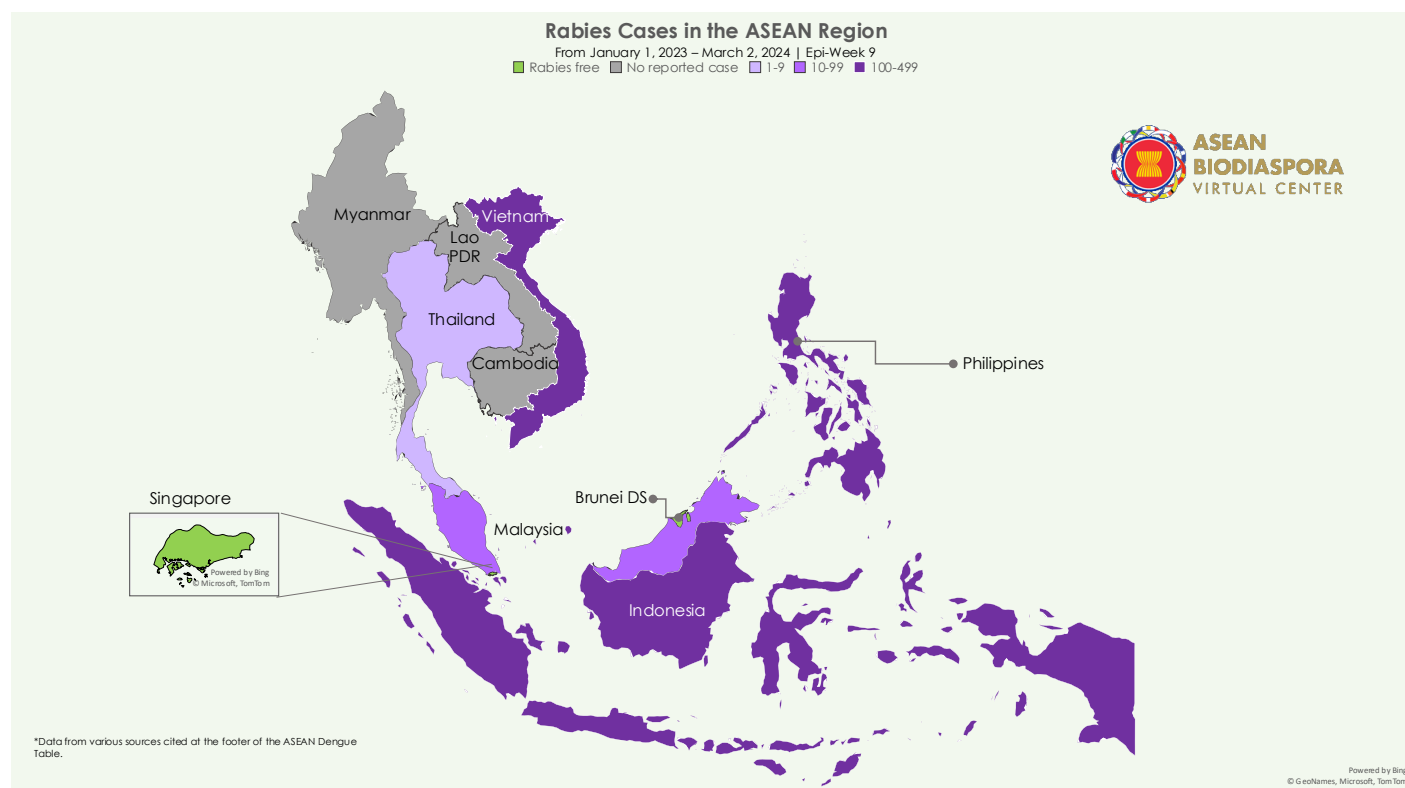
COVID-19

- **Cambodia** has reported one new COVID-19 case, bringing the total to 139,094. No deaths were reported, with 3,056 fatalities (Tharith, 2024). Over 15.3 million doses of vaccines have been administered, with over 10 million shots for people aged 18 and above. The sixth dose is being accelerated. [[Full article](#)]
- **Malaysia:** Perak recorded 9,014 COVID-19 cases from January 2023 to December 2023, a decrease of 91.8% compared to the previous year (Bunyan J, 2024). The state Health Department has been working to increase public awareness through social media and vaccination campaigns. From mid-November 2023 to January 15, 2024, 60 infographics and five videos were shared on the JKN and District Health Offices' Facebook site. Approximately 80% of people in Perak received the first dose of vaccine until January 30, and 79.1% received their second dose. Perak recorded 60 deaths due to COVID-19 in 2023, compared to 719 in the previous year. [[Full article](#)]
- **Singapore's** Ministry of Health has announced that mask-wearing will no longer be mandatory in some lower-risk healthcare settings, including polyclinics, general practitioner clinics, specialist outpatient clinics, dialysis centers, Traditional Chinese Medicine clinics, and dental clinics, starting March 1 (CNA, 2024). However, mask-wearing is still strongly encouraged for medically vulnerable persons, seniors, and those with acute respiratory infection. The revised measure comes a year after Singapore lowered its disease alert level to green. [[Full article](#)]

ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1, 2023 to March 2, 2024 (Epi-Week 9)



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 8	159	0	159	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 7	6	0	6	100%
Vietnam²	Week 9	100	12	100	100%
Total		658	12	658	100%

1. Ministry of Health, Republic of Indonesia
2. Bluedot Platform, accessed March 5, 2024 (<https://portal.bluedot.global/>)
3. Department of Health Website, accessed March 5, 2024 "Statistics," (<https://doh.gov.ph/statistics>)
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed March 5, 2024 (<http://doe.moph.go.th/surdata/index.php>)

- The **ASEAN** region reported **12** new rabies cases in Vietnam since the previous report. The region reported **658** total cases with **100%** CFR.

Media Monitoring for Zoonosis

Epidemiological Week 9 | February 25 – March 2, 2024

Global Situation for Zoonosis

Rabies

- **India:** The Bihar Economic Survey (2023-24) has revealed a significant increase in dog bite cases in the state, with 207,181 people suffering from such incidents in 2022-2023 compared to 9,809 in 2021-2022 (Gupta A.K, 2024). The survey identified dog bites as the most prevalent disease in Bihar, with an average of 600 people becoming victims daily. Patna, the state capital, reported 22,599 incidents of dog bites in 2022-2023, the highest in Bihar. Patna Municipal Commissioner stated that they will intensify their efforts to combat the menace and engage non-government organizations. The report also highlighted the need for more information on rabies cases, which are typically transmitted by bites from infected animals, including dogs. Patna-based medical practitioner criticized the survey report for not including the number of rabies cases usually caused by bites from infected animals, including dogs. [\[Full article\]](#)

Regional Situation for Zoonosis

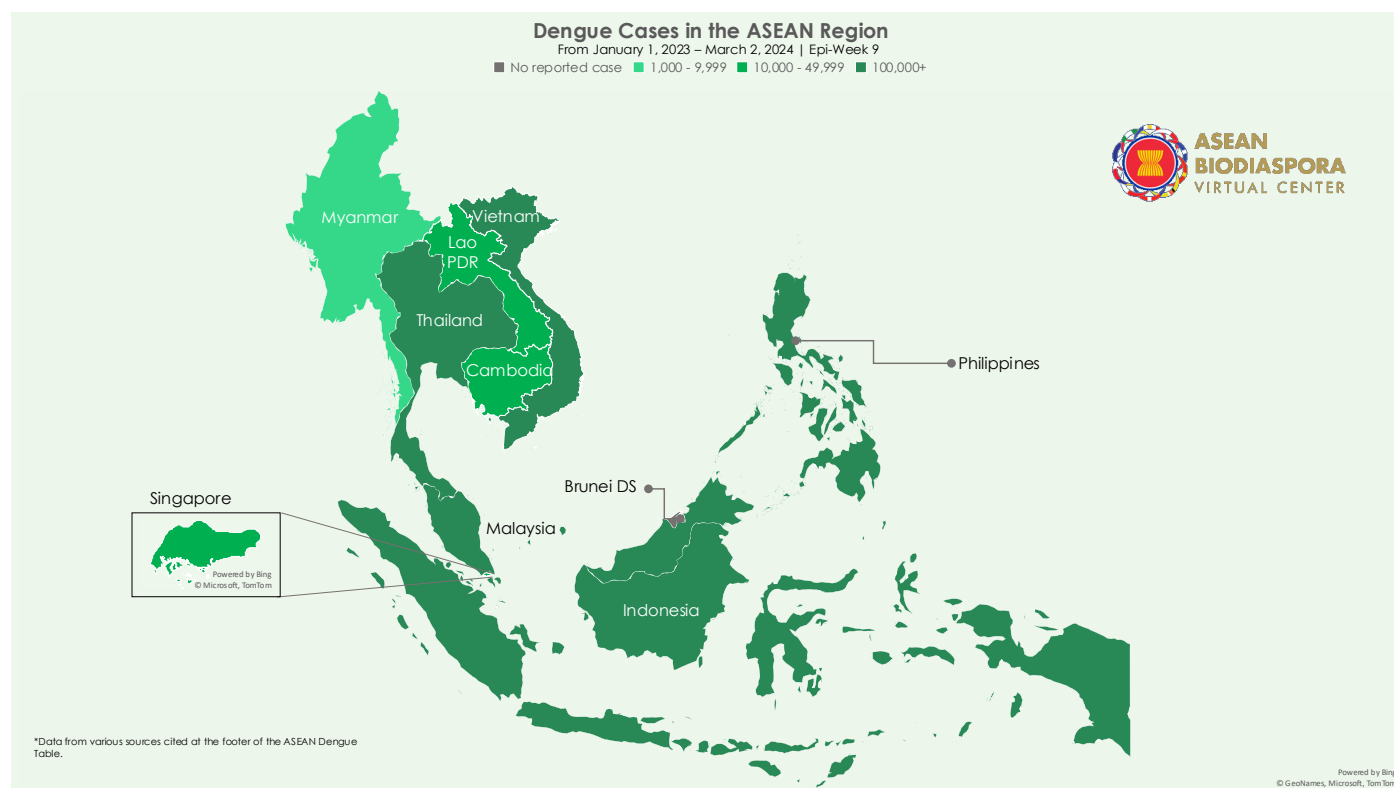
Rabies

- **Indonesia:** A child died in South Timor Tengah District, East Nusa Tenggara Province, due to rabies, marking the third case in 2024 (Rambu B, 2024). The total number of rabies-related deaths in South Timor Tengah District is 3. Since 2023, bite victims have reached 3,552, and 3,533 vaccinated people have been bitten by dogs. Health, Citizenship, and Civil Registration Office reported four cases of rabies deaths in 2024, with the increase in deaths indicating a total of 5 deaths in East Nusa Tenggara in 2024. [\[Full article\]](#)

VECTOR-BORNE DISEASES

Dengue Cases in the ASEAN Region

From January 1, 2023 to March 2, 2024 (Epi-Week 9)



Dengue cases in the ASEAN region

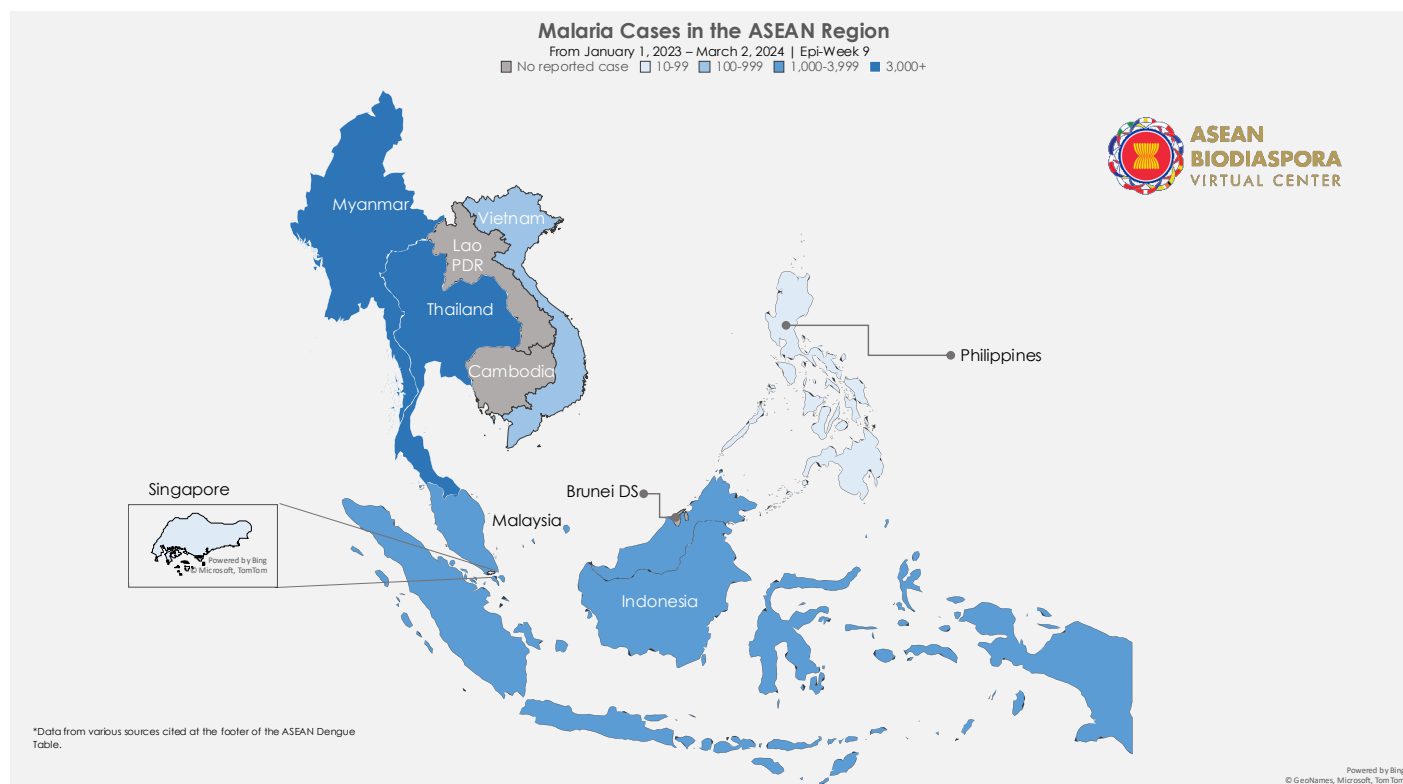
Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-
Cambodia¹	Week 6	38,024	662	107	3	0.28%
Indonesia²	Week 9	136,393	5,981	1085	67	0.80%
Lao PDR¹	Week 7	33,075	234	20	0	0.06%
Malaysia³	Week 7	148,674	7,114	123	14	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 8	13,380	460	0	0	0.00%
Thailand⁷	Week 8	176,061	1,331	195	3	0.11%
Vietnam¹	Week 2	175,758	0	43	0	0.02%
Total		923,653	15,782	2,260	87	0.24%

1. WHO WPRO, "Dengue," World Health Organization, accessed March 5, 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 March 5, 2024, https://www.moh.gov.my/index.php/database_stores/store_view/17
 4. Bluedot Developer Portal, accessed March 5, 2024, <https://developer-portal.bluedot.global/>.
 5. Department of Health Website, accessed March 5, 2024 "Statistics," <https://doh.gov.ph/statistics>.
 6. Ministry of Health, "Weekly Infectious Disease Bulletin", accessed March 5, 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 March 5, 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 **15,782** new dengue cases in Cambodia, Indonesia, Lao PDR, Malaysia, Singapore, and Thailand and **87** new deaths. The region reported **923,653** total cases with **0.24%** CFR.

Malaria Cases in the ASEAN Region

From January 1, 2023 to March 2, 2024 (Epi-Week 9)



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	0	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	0	0	0.00%
Singapore ³	Week 8	27	0	0	0.00%
Thailand ²	Week 8	5,454	35	4	0.07%
Vietnam ¹	Week 42 '23	349	0	1	0.29%
Total		13,484	35	5	0.04%

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

- The **ASEAN** region reported **35** new malaria cases in Thailand since the previous report. The region reported **13,484** total cases with **0.04%** CFR.

Media Monitoring for Vector-borne Diseases

Epidemiological Week 9 | February 25 – March 2, 2024

Global Situation for Vector-borne Diseases

Dengue

- **Bangladesh:** The Directorate General of Health Services reported 30 dengue patients hospitalized until 2 March, with a total of 1,407 cases and 17 deaths recorded this year (News Desk, 2024). The country recorded 1,705 dengue-related deaths and 321,179 cases last year. [\[Full article\]](#)
- **Mauritius** has 494 active dengue cases, while Rodrigues has 361 (Defimedia, 2024). Since December 11, 2023, over 1,700 cases have been recorded, with two deaths linked to dengue fever, as per the Ministry of Health's data. [\[Full article\]](#)

Regional Situation for Vector-borne Diseases

Dengue

- **Indonesia:** The Indonesian Medical Association, stated that there has been a tendency for cases of dengue hemorrhagic fever (DHF) to increase in the past month. From January to mid-February 2024, the number of dengue fever cases was 10,665 cases with an infection rate (IR) of 3.81 per 100,000 with a death rate of 89 cases. The five districts or cities that have the highest dengue cases in succession are Kendari, Kutai Kartanegara, Bogor City, Subang and West Bandung. [\[Full article\]](#)
- **Lao PDR:** The Lao Ministry of Health has called on local authorities and the public to be vigilant in controlling the spread of dengue fever, which has reached 1,118 cases since January 2024, including two deaths, according to a report by the Center of Information and Education for Health (Xinhua, 2024). The ministry has instructed everyone to engage in mosquito eradication, stating that this requires the support of all sectors of society and should be the responsibility of every household. [\[Full article\]](#)
- **Malaysia:** Dengue fever cases in Malaysia have decreased to 3,483 in the 7th epidemiological week from February 11 to 17, with four deaths due to complications (Bernama, 2024). The cumulative number of cases up to 7th epidemiological week was 25,541, compared to 15,243 in the previous week. The number of hotspot localities reported has also decreased to 185. [\[Full article\]](#)
- **The Philippines:** The Department of Health (DOH) reported a 11% reduction in dengue cases in the Philippines from January 14 to 27, 2024, compared to the preceding period from January 1 to 13, 2024, which had 8,368 cases (HDT, 2024). The number of dengue deaths from January 1 to February 10, 2024, was 67. The DOH attributed the increase to the El Niño season, as people store water, which becomes breeding grounds for mosquitoes. The DOH has called for the public to strengthen the implementation of the 5S strategy against dengue. [\[Full article\]](#)

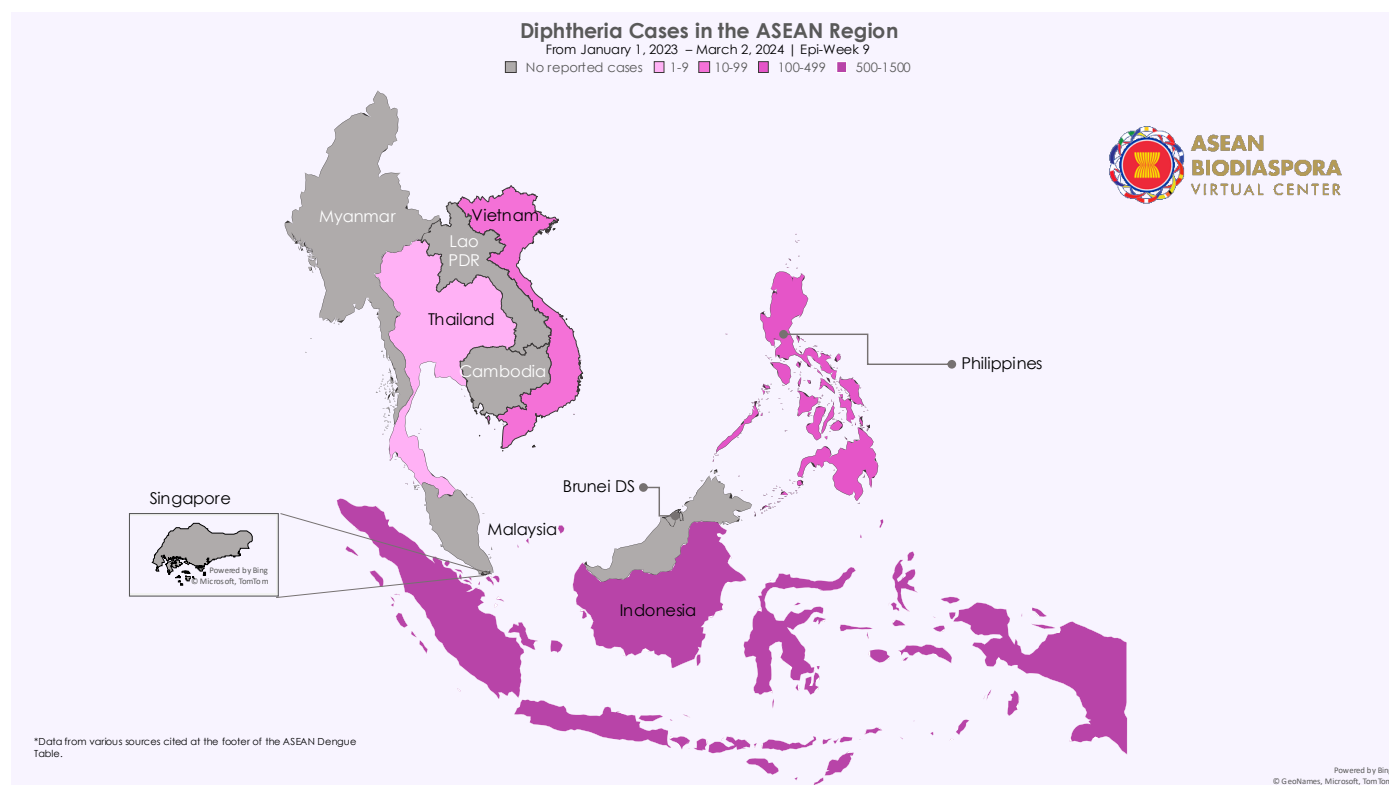
Malaria

- **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 March 2, 2024 (Epi-Week 9)



Diphtheria cases in the ASEAN region

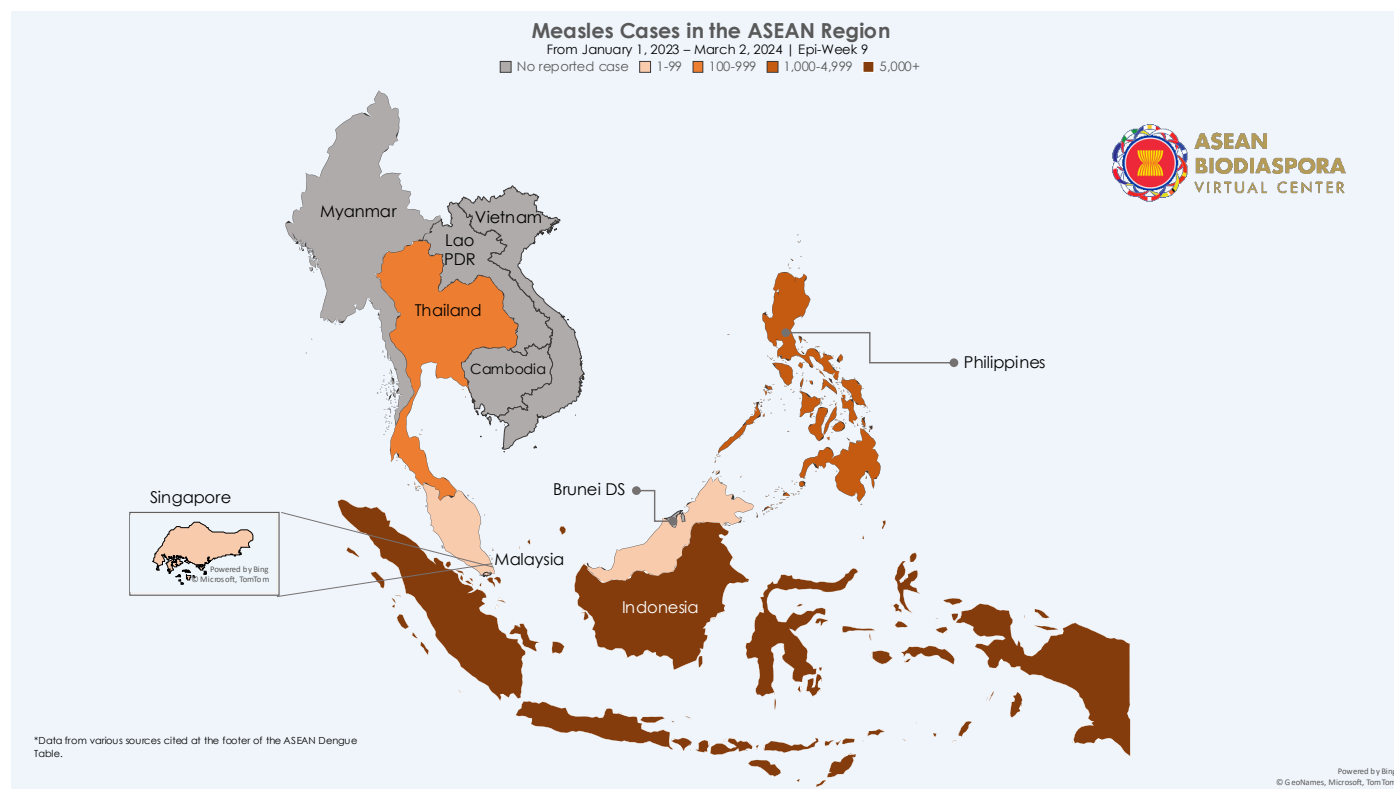
Country	Epi-Week Reported	Cumulative Diphtheria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 8	1,032	16	71	6.88%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 48 '23	198	0	50	25.25%
Singapore ³	Week 8	0	0	0	0.00%
Thailand ⁴	Week 8	7	0	0	0.00%
Vietnam ⁵	Week 52 '23	55	0	5	9.09%
Total		1,292	16	126	9.75%

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

- The ASEAN region reported **16** new diphtheria cases in Indonesia since the previous report. The region reported **1,292** total cases with **9.80%** CFR.

Measles Cases in the ASEAN Region

From January 1, 2023 to March 2, 2024 (Epi-Week 9)



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 8	10,465	0	12	0.11%
Lao PDR	-	-	-	-	-
Malaysia ²	Week 6	30	0	0	0.00%
Myanmar	-	-	-	-	-
Philippines ³	Week 48 '23	2,576	0	16	0.62%
Singapore ⁴	Week 8	9	0	0	0.00%
Thailand ⁵	Week 8	498	33	0	0.00%
Vietnam	-	-	-	-	-
Total		13,578	33	28	0.21%

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

- The **ASEAN** region reported **33** new measles cases in Thailand since the previous report. The region reported **13,578** total cases with **0.21%** CFR.

Media Monitoring for Vaccine-Preventable Diseases

Epidemiological Week 9 | February 25 – March 2, 2024

Global Situation for Vaccine-Preventable Diseases

Measles

- **Austria:** Tyrol has reported 59 confirmed cases of measles this year, with most of them are recovering and no longer contagious (Die Presse, 2024). Four people were initially considered sick and contagious. Visitors should check vaccination status, monitor health, and contact a doctor if ill. Two MMR (measles-mumps-rubella) vaccinations offer the most effective protection against measles. [\[Full article\]](#)
- **Denmark:** Two new cases of measles have been detected in Region Central Jutland, Denmark, affecting an adult and a child (Ritzau, 2024). The cases are not related and are the fourth and fifth confirmed this year. The adult has no known contact with measles cases, and the child has a sibling who has a febrile illness but has not been examined for measles. Both children have been on a trip abroad at the end of January, making the infection potentially travel-related. The Swedish Agency for Patient Safety has initiated infection detection based on the infected person's close contacts in private life and healthcare. [\[Full article\]](#)
- **Greece:** The National Public Health Organization reports eight confirmed cases of measles in Greece, with the probability of other cases being high (Prokopi D, 2024). The increase in measles cases in Europe is alarming, with over 30,000 cases reported in 40 of the 53 member states during January-October 2023. The resurgence of measles is largely attributed to the decline in vaccination coverage in European countries during the period 2020-2022, with over 1.8 million children missing the opportunity to be vaccinated. The National Immunization Committee recommends immediate vaccination for children, adolescents, and adults, with two doses given at 24-36 months. [\[Full article\]](#)
- **Hong Kong (SAR):** Measles cases are on the rise globally, with over 58,000 people infected in Europe and Central Asia last year (Zhiqing, 2024). In Hong Kong, there have been three cases as of February 28 this year, with two people having completed the combined measles, mumps, and rubella (MMR) vaccination and two not having a travel history for young children. The last major outbreak was in 2019, with 91 cases recorded in 2019. The Department of Health recommends vaccination for non-local-born persons, pregnant women, and children under one year old who have not received the first dose of MMR vaccine. A Honorary clinical associate professor of the Department of Pediatrics and Adolescence at the University of Hong Kong, advises public health precautions. [\[Full article\]](#)
- **Japan:** A measles infection was confirmed in a foreign tourist in Nara City earlier this year, and an infection was reported in Tokyo in an infant boy whose route of infection is unknown (Mainichi, 2024). To prevent an epidemic, it is desirable for 95% of the population to receive two doses of the vaccine. [\[Full article\]](#)
- **Russia:** A measles outbreak has occurred in a large residential complex in Surgut, with around ten people reportedly falling ill (Teplyakova, 2024). Doctors have conducted door-to-door visits, and residents are awaiting vaccination. The entrances are awaiting chemical treatment. Internet users noted that the house on the street likely was involved in the outbreak. [\[Full article\]](#)
- **Taiwan (Province of China):** Taipei City has confirmed a new confirmed case involving a non-national male in his 20s who has not been vaccinated (Weirong, 2024). The case entered the country from Malaysia on February 20 and was notified after seeking medical treatment on February 22. The Taipei City Health Bureau reported 330 contacts, including 1 traveler, 29 aircraft

contacts, 291 medical contacts, and 9 other contacts. The case took a flight to Taipei and took the Taoyuan Airport MRT from Terminal 1 to Station A1. [\[Full article\]](#)

- The **United States (US)**: Two children have become the latest measles patients in Broward County, with the total cases increasing from six to eight (Nefzi, S. and Torres A, 2024). [\[Full article\]](#) Michigan's Washtenaw County Health Department reports Michigan's third measles case this year (Clarke, K., 2024). [\[Full article\]](#)

The ninth case of measles outbreak confirmed in Polk County (Bowen, 2024). The patient, aged 20-24, is the first Florida adult to be infected this year. The outbreak is causing concern as the number of cases reported in the first two months of 2024 already accounts for over half of the total number reported last year. The virus is extremely contagious, with unvaccinated people having a 90% chance of being infected. The Florida Surgeon General veered away from a 21-day quarantine recommendation, leaving it up to parents to decide. [\[Full article\]](#)

- The **United Kingdom (UK)**: The UK Health Security Agency (UKHSA) confirmed 69 laboratory-confirmed measles cases in England since last week, bringing the total number since October to 650 (Deas, B.T., 2024). The outbreak initially dominated in the West Midlands, but clusters in other regions like the North West have continued to increase. A total of 17 cases were reported in October, 42 in November, 158 in December 2023, 268 in January, and 165 so far in February 2024. 63% of these cases were in the West Midlands, 15% in London, and 7% in Yorkshire and The Humber. [\[Full article\]](#)

Pertussis

- The **United Kingdom (UK)**: Over 2,500 suspected cases of whooping cough have been diagnosed in 2024, with 365 cases in the last week ending February 25 (Ault, R. & Hurst, B., 2024). This is 25 times higher than the 108 cases identified last year and 35 times higher than the 76 cases at this point in 2022. General Practitioners are required to send notifications to the UKHSA to provide early warnings. Wales continues to have the most suspected cases, with 560 in the latest week. The spread is gaining pace in parts of England, particularly the South East. [\[Full article\]](#)

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

Epidemiological Week 8 | From January 1, 2023 to March 02, 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	81,635	77	0.09%	-	-	-	Rabies-free Country			-	-	-
Cambodia	656	0	0.00%	4	0	0.00%	-	-	-	38,024	107	0.28%
Indonesia	117,302	1,450	1.24%	85	0	0.00%	159	159	100%	136,393	1085	0.80%
Lao PDR	1,364	87	6.54%	1	0	0.00%	-	-	-	33,075	20	0.06%
Malaysia	256,912	491	0.19%	9	0	0.00%	25	25	100%	148,674	123	0.08%
Myanmar	8,226	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	819,481	313	0.04%	34	0	0%	Rabies-free Country			12,920	0	0%
Thailand	48,330	898	1.91%	709	1	0.14%	6	6	100%	176,061	195	0.11%
Vietnam	101,828	20	0.02%	135	6	4.44%	100	100	100%	175,758	43	0.02%
ASEAN Region	1,577,105	4,808	0.31%	982	7	0.71%	658	658	100%	923,653	2,260	0.24%

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%	10,465	12	0.11%	1,032	71	6.88%
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%	0	0	0.00%
Thailand	5,454	4	0.07%	498	0	0%	7	0	0.00%
Vietnam	349	1	0.29%	-	-	-	55	5	9.09%
ASEAN Region	13,484	5	0.04%	13,578	28	0.21%	1,292	126	9.75%

References

- Adelaide (2024) COVID-19 update 1 March 2024, Sa health. Available at: <https://www.sahealth.sa.gov.au/wps/wcm/connect/public+content/sa+health+internet/about+us/news+and+media/all+media+releases/covid-19+update+1+march+2024> (Accessed: 01 March 2024).
- Anggita, N. (2024) Kemenkes Ungkap Kematian Akibat dbd di Indonesia capai 89 Jiwa, Eranasional.com. Available at: <https://eranasional.com/66603/kemenkes-ungkap-kematian-akibat-dbd-di-indonesia-capai-89-jiwa> (Accessed: 01 March 2024).
- Arif, A. (2024) Prevent dengue fever during the transition period, kompas.id. Available at: https://www.kompas.id/baca/english/2024/02/27/en-cegah-demam-berdarah-di-masa-pancaroba?open_from=Section_English (Accessed: 28 February 2024).
- Ault, R. and Hurst, B. (2024) Mapped - whooping cough cases in your area as outbreak continues, Wales Online. Available at: <https://www.walesonline.co.uk/news/health/mapped-whooping-cough-cases-your-28726266> (Accessed: 01 March 2024).
- Bernama (2024) Health D-G: Dengue cases down from February 11 to 17, four deaths reported, Malay Mail. Available at: <https://www.malaymail.com/news/malaysia/2024/02/27/health-d-g-dengue-cases-down-from-february-11-to-17-four-deaths-reported/120242> (Accessed: 28 February 2024).
- Bowen, J. (2024) Florida's 9th case of measles confirmed in Polk County: Health officials, FOX 13 Tampa Bay. Available at: <https://www.fox13news.com/news/floridas-9th-case-of-measles-confirmed-in-polk-county-health-officials> (Accessed: 28 February 2024).
- Bridge Staff (2024) Covid Tracker: Michigan deaths surpass 40,000, as cases decline 7%, Bridge Michigan. Available at: <https://www.bridgemi.com/michigan-health-watch/covid-tracker-michigan-deaths-surpass-40000-cases-decline-7> (Accessed: 28 February 2024).
- Budianto, E.E. (2024) 6 pasien Demam Berdarah di Jombang meninggal selama Februari 2024, detikjatim. Available at: <https://www.detik.com/jatim/berita/d-7219128/6-pasien-demam-berdarah-di-jombang-meninggal-selama-februari-2024> (Accessed: 01 March 2024).
- Bunyan, J. (2024) Perak Records 9,014 covid-19 cases in 2023, State Assembly told, Malay Mail. Available at: <https://www.malaymail.com/news/malaysia/2024/02/27/perak-records-9014-covid-19-cases-in-2023-state-assembly-told/120211> (Accessed: 28 February 2024).
- CNA (2024) Mask-wearing no longer mandatory in lower-risk health settings such as polyclinics, GPS, Channel News Asia. Available at: <https://www.channelnewsasia.com/singapore/covid-19-mask-wearing-no-longer-compulsory-outpatient-clinics-vaccines-moh-4159606> (Accessed: 01 March 2024).
- Deas, B.T. (2024) Measles warning as UK cases skyrocket sparking major 'cluster outbreak' fears, The Mirror. Available at: <https://www.mirror.co.uk/news/health/measles-warning-uk-cases-skyrocket-32241873> (Accessed: 01 March 2024).
- Defimedia (2024) Dengue à maurice : 494 cas Actifs Enregistrés, Le Defi Media Group. Available at: <https://defimedia.info/dengue-maurice-494-cas-actifs-enregistres> (Accessed: 28 February 2024).
- Die Presse (2024) Tirol: 59 Gesicherte Masern-Fälle Seit Jahresbeginn verzeichnet, Die Presse. Available at: <https://www.diepresse.com/18219528/tirol-59-gesicherte-masern-faelle-seit-jahresbeginn-verzeichnet> (Accessed: 28 February 2024).
- Fitrat, I. (2024) 845 Kasus Dbd di Kota Bogor Januari-Februari, Empat Orang meninggal, Republika Online. Available at: <https://rejabar.republika.co.id/berita/s9ekqe432/845-kasus-dbd-di-kota-bogor-januari-februari-empat-orang-meninggal> (Accessed: 26 February 2024).
- Gupta, A.K. (2024) Dog bite cases increased by more than 20 times in Bihar: Economic Survey Report, Hindustan Times. Available at: <https://www.hindustantimes.com/india-news/dog-bite-cases-increased-by-more-than-20-times-in-bihar-economic-survey-report-101708852893287.html> (Accessed: 26 February 2024).
- HDT (2024) Dengue cases in ph declining, SunStar Publishing Inc. Available at: <https://www.sunstar.com.ph/manila/dengue-cases-in-ph-declining> (Accessed: 04 March 2024).
- Hujaini, M. (2024) Banyuwangi KLB Demam Berdarah, bulan ini 2 orang meninggal, Ngopibareng. Available at: <https://www.ngopibareng.id/read/banyuwangi-klb-demam-berdarah-bulan-ini-2-orang-meninggal> (Accessed: 28 February 2024).
- Ibrahim, M.B. (2024) Waspada Kasus Dbd di Kota Batu, Satu Balita meninggal, detikjatim. Available at: <https://www.detik.com/jatim/berita/d-7211587/waspada-kasus-dbd-di-kota-batu-satu-balita-meninggal> (Accessed: 26 February 2024).
- Lauren Desena (2024) Covid-19 update 2-26-24, Suffolk County Government. Available at: <https://suffolkcountyny.gov/News/ArtMID/583/ArticleID/11652/COVID-19-update-2-26-24> (Accessed: 28 February 2024).
- Mainichi (2024) Measles outbreak worldwide; multiple cases of infection in Japan; vaccination rate declines, 毎日新聞. Available at: <https://mainichi.jp/articles/20240302/k00/00m/030/143000c> (Accessed: 04 March 2024).
- Montgomery, G. (2024) Indiana dashboard adds 50 Covid deaths, 6,260 more cases of coronavirus in 2 weeks, WISH. Available at: <https://www.wishtv.com/news/coronavirus/indiana-dashboard-adds-50-covid-deaths-6260-more-cases-of-coronavirus-in-2-weeks/> (Accessed: 01 March 2024).
- Nafilah Sagita, (2024) 36 Kasus Kematian Negara DBD, Nyamuk Wolbachia Sudah disebar di jabar?, detikjabar. Available at: <https://www.detik.com/jabar/berita/d-7218220/36-kasus-kematian-pegara-dbd-nyamuk-wolbachia-sudah-disebar-di-jabar> (Accessed: 01 March 2024).
- New Age (2024) Bangladesh reports one more Covid death, 73 cases in 24Hrs, New Age | The Most Popular Outspoken English Daily in Bangladesh. Available at: <https://www.newagebd.net/article/226357/bangladesh-reports-one-more-covid-death-73-cases-in-24hrs> (Accessed: 26 February 2024).
- News Desk (2024) Bangladesh Records 9 dengue cases, no deaths in a day, bdnews24.com. Available at: <https://bdnews24.com/health/hm88mkreey> (Accessed: 04 March 2024).
- News, R. (2024) Covid-19 update: 6084 new cases, 20 deaths, RNZ. Available at: <https://www.rnz.co.nz/news/national/510198/covid-19-update-6084-new-cases-20-deaths> (Accessed: 26 February 2024).



- Nefzi, S. and Torres, A. (2024) Measles outbreak: 2 more children infected; case list increases to 8 in Broward, WPLG. Available at: <https://www.local10.com/news/local/2024/02/26/measles-outbreak-cases-of-2-more-children-increase-infections-to-8-in-broward/> (Accessed: 26 February 2024).
- Okezone (2024) Waspada! Ratusan Warga Lebak Terjangkit DBD Dalam Dua Bulan, 4 meninggal Dunia : Okezone News, <https://news.okezone.com/>. Available at: <https://news.okezone.com/read/2024/02/26/340/2975314/waspada-ratusan-warga-lebak-terjangkit-dbd-dalam-dua-bulan-4-meninggal-dunia?page=2> (Accessed: 26 February 2024).
- Online Desk (2024) ২৪ ঘণ্টায় ডিউতে হাসপাতালে ভিত্তি ১০, বাংলাদেশ প্রতিদিন. Available at: <https://www.bd-pratidin.com/dengue-update/2024/02/29/97214> (Accessed: 01 March 2024).
- Prokopi, D. (2024) Ιλάρá: 8 επιβεβαιωμένα κρούσματα στη χώρα μας - υψηλή η πιθανότητα και άλλων κρουσμάτων, Newsbomb. Available at: <https://www.newsbomb.gr/ygeia/story/1526557/ilar-a-8-epivevaiomena-kroysmata-sti-xora-mas> (Accessed: 28 February 2024).
- PM News (2024) Measles infections spread across London - p.m. news, PM News. Available at: <https://pmnewsnigeria.com/2024/02/25/measles-infections-spread-across-london/> (Accessed: 26 February 2024).
- Rambu, B. (2024) Kabar Duka! 1 lagi korban meninggal Dunia Karena rabies di TTS Provinsi NTT, Kabar Duka! 1 Lagi Korban Meninggal Dunia Karena Rabies di TTS Provinsi NTT - Victory News. Available at: <https://www.victorynews.id/ntt/33112032418/kabar-duka-1-lagi-korban-meninggal-dunia-karena-rabies-di-tts-provinsi-ntt> (Accessed: 04 March 2024).
- Ritzau (2024) To Nye Tilfælde af Mæslinger Er Konstateret i Region midtjylland, Politiken. Available at: <https://politiken.dk/danmark/sundhed/art9786482/To-nye-tilf%C3%A6lde-af-m%C3%A6slinger-er-konstateret-i-Region-Midtjylland> (Accessed: 01 March 2024).
- Sarret, L. (2024) Beijing sees alarming spike in Covid cases following Chinese New Year, Express.co.uk. Available at: <https://www.express.co.uk/news/world/1871374/china-covid-cases-number-surge-2024> (Accessed: 28 February 2024).
- Staff Reporter Ottawa (2024) Ottawa Public Health Stats mainly stable for covid-19, flu and ..., Ottawa Citizen. Available at: <https://ottawacitizen.com/443/news/local-news/ottawa-public-health-stats-mainly-stable-for-covid-19-flu-and-rsv> (Accessed: 01 March 2024).
- Sun, D. (2024) 11 dengue patients hospitalised, daily. Available at: <https://www.daily-sun.com/printversion/details/736425> (Accessed: 26 February 2024).
- Terpyakova, K. (2024) В многоэтажке сургута обнаружили очаг кори, www.nakanune.ru. Available at: <https://www.nakanune.ru/news/2024/02/29/22759425/> (Accessed: 01 March 2024).
- Tharirth (2024) Top news: Cambodia reports 1 new Covid19 case; 2 recovered; 0 died, FRESH NEWS. Available at: <https://en.freshnewsasia.com/index.php/en/localnews/46683-2024-02-29-05-45-48.html> (Accessed: 01 March 2024).
- The Daily Observer (2024) 83 new COVID cases reported in country -, The Daily Observer. Available at: <https://www.observerbd.com/news.php?id=461835> (Accessed: 28 February 2024).
- The Daily Observer (2024) One more dies from Covid, 57 cases reported -, The Daily Observer. Available at: <https://www.observerbd.com/news.php?id=462116> (Accessed: 01 March 2024).
- Weirong, S. (2024) 首例麻疹境外移入!曾到八方雲集用餐、搭機捷 桃捷公司回應了: 社會萬象: 要聞, NOWnews 今日新聞. Available at: <https://www.nownews.com/news/6372268> (Accessed: 28 February 2024).
- WHO (2024) Nipah virus infection - bangladesh, World Health Organization. Available at: <https://www.who.int/emergencies/disease-outbreak-news/item/2024-DON508> (Accessed: 28 February 2024).
- Xinhua (2024) Lao Health Ministry urges public to help Control Dengue, China.org.cn. Available at: http://www.china.org.cn/world/Off_the_Wire/2024-02/27/content_117023149.htm (Accessed: 28 February 2024).
- Zhiqing, T. (2024) 麻疹復燃 今年首2月錄3個案 與過去4年全年水平看齊, SingTao. Available at: <https://www.singtaousa.com/2024-02-29/麻疹復燃-今年首2月錄3個案-與過去4年全年水平看齊/4777091> (Accessed: 01 March 2024).