



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

Editorial

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Weekly Issue



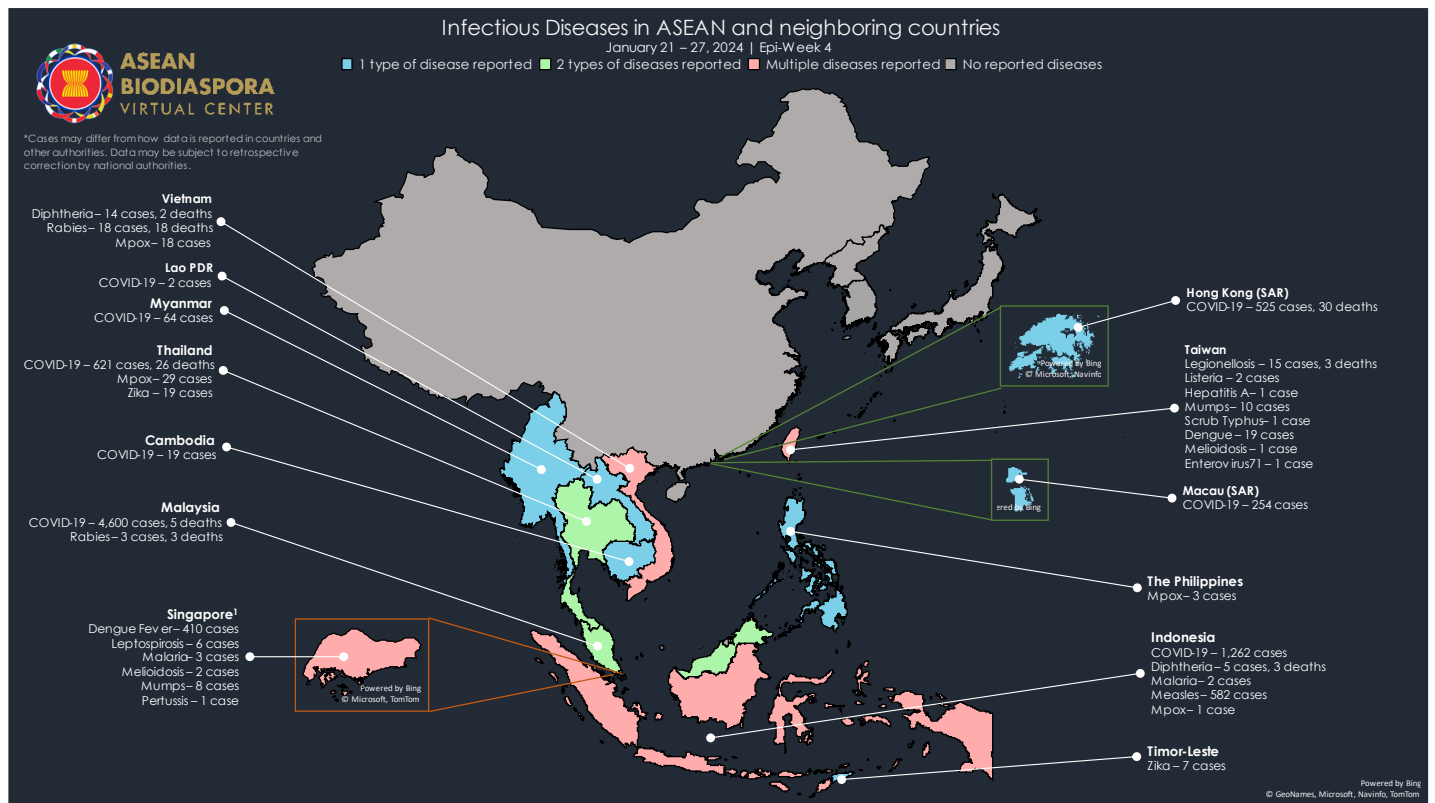
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Key Findings

- COVID-19 cases and deaths have increased by **6,568** and **31**, respectively, since the last report 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 January 2024.
- There are **51** mpox new cases in the ASEAN Region since last report.
- **21** new rabies cases have been found since last report for zoonosis in the ASEAN Region.
- Dengue cases has increased by **419** since the last report. Meanwhile, **five** new malaria cases has been found since the last report for vector-borne diseases in the ASEAN Region.
- There have been **19** new cases of diphtheria and **582** 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 4 | January 21 – 27, 2024



**The data was taken from the BlueDot Developer Portal, accessed January 30, 2024, <https://developer-portal.bluedot.global/>.

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



EMERGING DISEASES

COVID-19: Highlights and Situation Overview

- As of 27 January 2024 (5PM, GMT+7), there were **702,478,250** confirmed cases **worldwide**, including **6,974,401 deaths**. Globally, Case Fatality Rate (CFR) was **0.99%**.
- **36,942,026 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

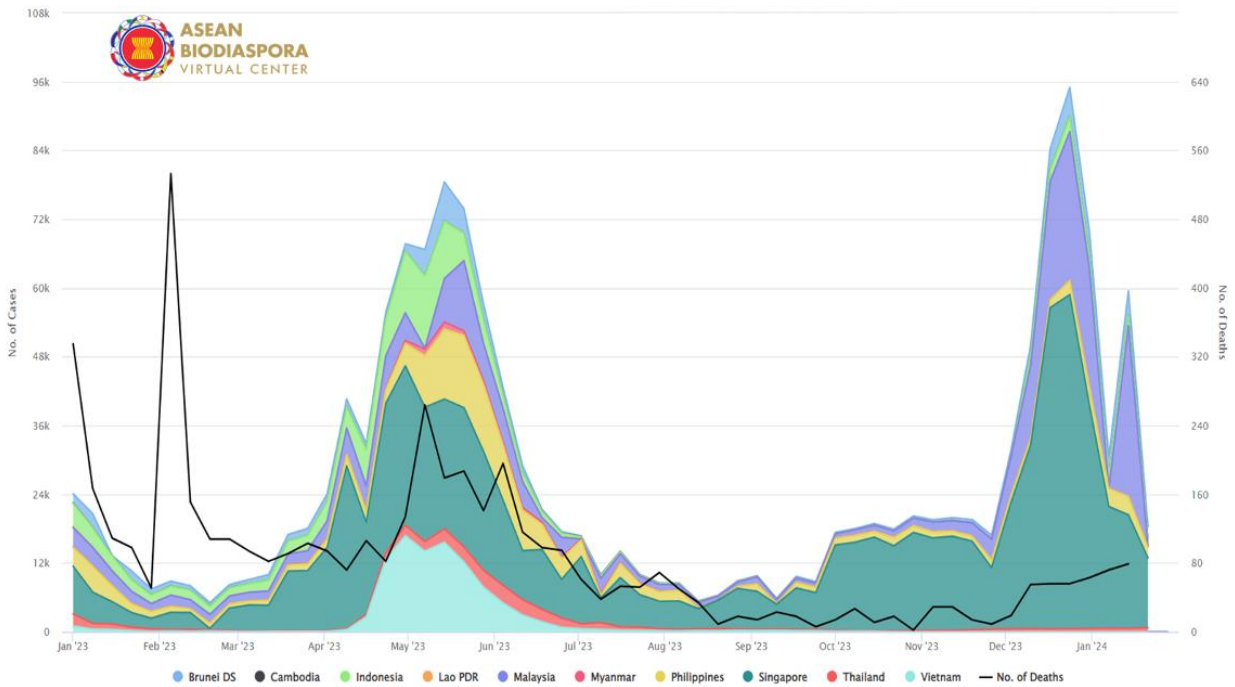
ASEAN MEMBER STATES	FIRST CONFIRMED CASES	LATEST REPORT ON CONFIRMED	CUMULATIVE CASES	CUMULATIVE CASES IN 2023	NEW CASES SINCE LAST REPORT	CUMULATIVE DEATHS	NEW DEATHS SINCE LAST REPORT	CUMULATIVE CASES/ 100,000
Brunei Darussalam	10-Mar-20	14-Jan-24	338,569	77,129	0	225	0	76,009
Cambodia	27-Jan-20	22-Jan-24	139,082	644	19	3,056	0	810
Indonesia	02-Mar-20	26-Jan-24	6,826,664	114,961	1,262	161,954	0	2,445
Lao PDR	24-Mar-20	22-Jan-24	218,915	1,329	2	758	0	2,926
Malaysia	25-Jan-20	22-Jan-24	5,269,967	250,567	4,600	37,340	5	15,869
Myanmar	23-Mar-20	22-Jan-24	641,614	8,039	64	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	22-Jan-24	2,977,715	791,041	0	1,933	0	50,100
Thailand	13-Jan-20	29-Jan-24	4,765,003	46,095	621	34,547	26	6,799
Vietnam	23-Jan-20	31-Oct-23	11,624,114	100,747	0	43,206	0	11,747
ASEAN REGION			36,942,026	1,531,923	6,568	369,378	31	5,431

REGIONS	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS
AFRICA	12,859,143	771	258,884	6
AMERICAS	200,452,251	215,777	3,033,757	1,192
ASEAN	36,942,026	6,568	369,378	31
ASIA & OCEANIA	199,213,585	41,840	1,215,783	266
EUROPE	253,011,245	72,765	2,096,599	992
GLOBAL TOTAL	702,478,250	337,721	6,974,401	2,487

**Data Reference: [Worldometer](#), [WHO](#)

ASEAN Weekly COVID-19 New Cases and Deaths

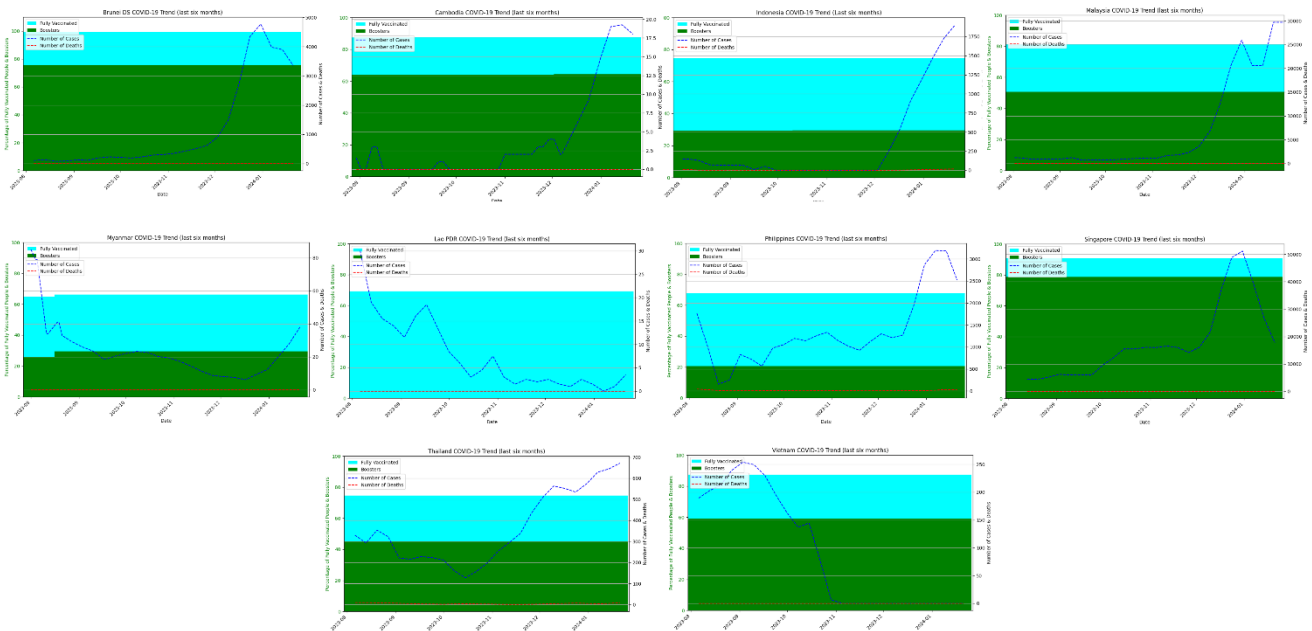
From January 1, 2023 to January 27, 2024



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

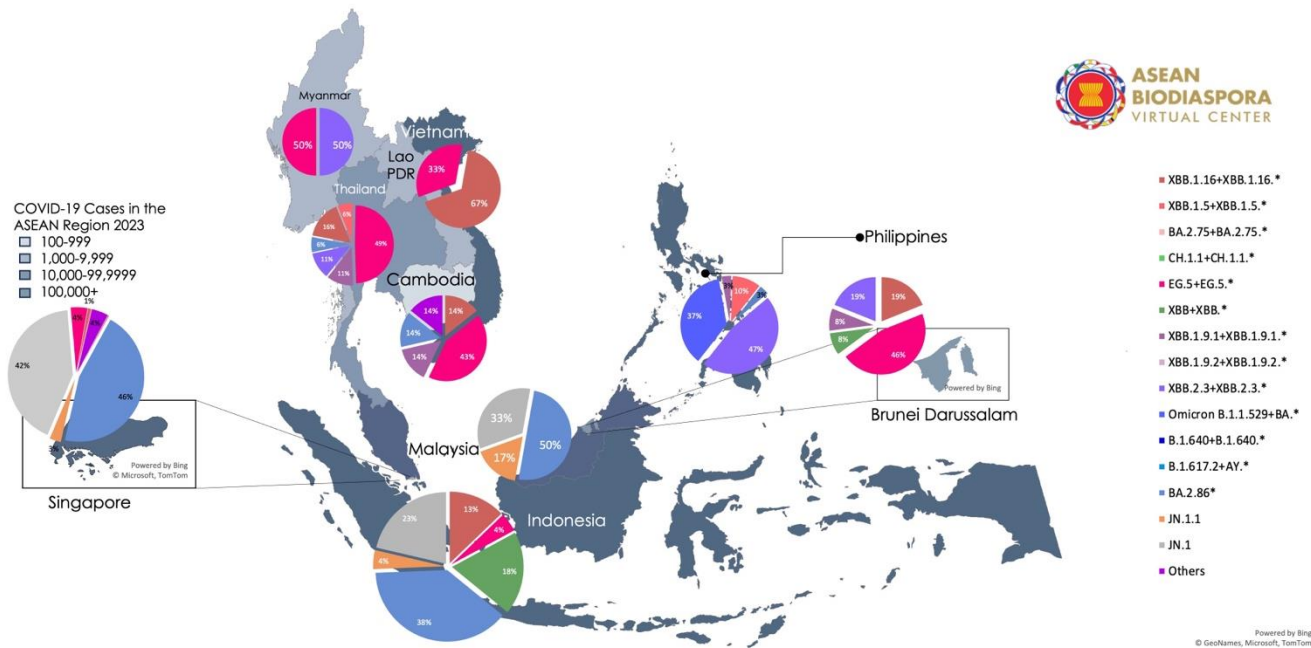
Trends of COVID-19 Cases, Deaths, and Vaccine Coverage among AMS

From July 1, 2023 to January 27, 2024



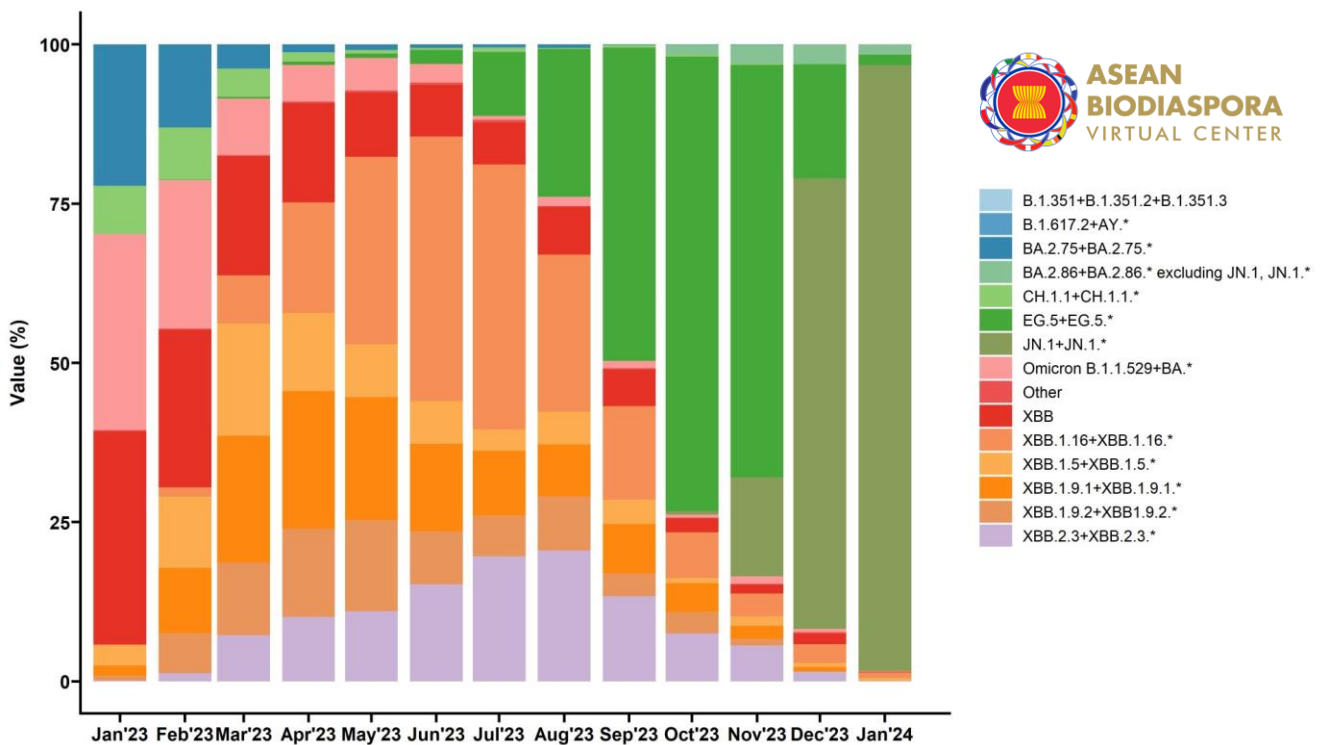
**Data References: [Singapore Government](#), [Worldometer](#), [OWID](#), and the [WHO](#)

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



GISAID. "hCoV-19 Variants Dashboard," accessed January 30, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.

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

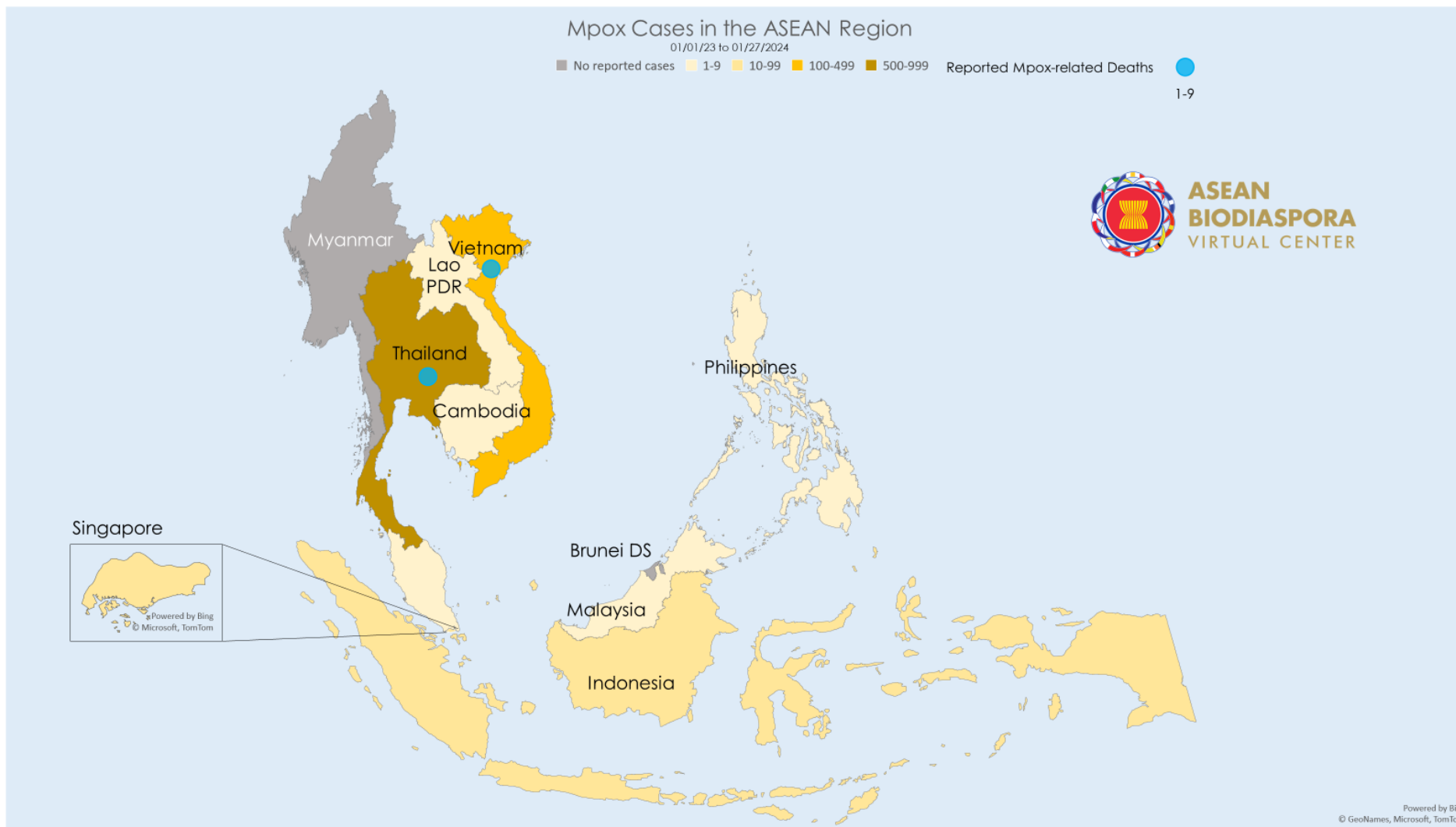


GISAID. "hCoV-19 Variants Dashboard," accessed January 30, 2024, <https://gisaid.org/hcov-19-variants-dashboard/>.



Mpox Cases Reported in the ASEAN Region

January 1, 2023 – January 27, 2024



1. Ministry of Health Republic of Indonesia
2. EBS BlueDot (Accessed on January 30, 2024)
3. Ministry of Health Singapore, accessed January 30, 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 27 January 2024, **10,055** confirmed cases worldwide since 2023, including **106** deaths. Globally, the CFR was **1.05%**.
- **936 confirmed cases** including **seven deaths** in the **ASEAN** region, with a CFR of **0.75%**.
- **9,119 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 Jan. 27, 2024)

ASEAN Member States	Cumulative Cases 2023-2024	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
Cambodia ¹	3	0	0	0.00%
Indonesia ²	78	1	0	0.00%
Lao PDR ¹	1	0	0	0.00%
Malaysia ¹	9	0	0	0.00%
Philippines ¹	5	3	0	0.00%
Singapore ³	32	0	0	0.00%
Thailand ¹	673	29	1	0.15%
Vietnam ¹	135	18	6	4.44%
ASEAN Total	936	51	7	0.75%

1. EBS Bluedot (Accessed on January 30, 2024)
2. Ministry of Health Republic of Indonesia
3. Ministry of Health Singapore, accessed January 30, 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 Jan. 27, 2024)

Country	Cumulative Cases 2023	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
People's Republic of China	2,020	1	1	0.05%
United States of America	1,856	213	36	1.94%
Democratic Republic of Congo	761	7	2	0.26%
Thailand	673	29	1	0.15%
Brazil	456	0	2	0.44%

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

Mpox cases per region (Jan. 1, 2023 to Jan. 27, 2024)

REGIONS	CUMULATIVE CASES 2023	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS 2023	CFR
AFRICA	917	7	7	0.76%
AMERICAS	3,883	139	85	2.19%
ASEAN	936	51	7	0.75%
ASIA & OCEANIA	3,370	584	5	0.15%
EUROPE	949	0	2	0.21%
TOTAL	10,055	781	106	1.05%



Media Monitoring for Emerging Diseases

Epidemiological Week 4 | January 21 – 27, 2024

Global Situation for Emerging Diseases

COVID-19

- **Australia:** In South Australia, 1,336 new COVID-19 cases were reported in the past week, with 34 deaths notified to the Department for Health and Wellbeing (Mirage News, 2024). The total number of cases has been readjusted due to a reconfiguration of data. In the past week, 4,044 people received a PCR test, a 19% decrease from the previous week. [[Full article](#)]
- **Canada:** New Brunswick has reported two more COVID-19 deaths, raising its official pandemic death toll to 1,000 (MacKinnon, 2024). The province has counted only hospital-acquired deaths since September. The two deaths between January 7 and January 13 were both aged 65 or older. Public Health has reported 1,000 COVID-19 deaths since March 2020, including 64 during the current respiratory illness season. The total number of COVID-19 deaths prior to this season was 936. [[Full article](#)]
- **India** has registered 236 new COVID-19 cases in the past 24 hours, raising the overall COVID-19 total cases to 45,024,190 (Service S.N, 2024). Karnataka reported 161 cases, Maharashtra 22 and Kerala 12. Three more people died, raising the death toll to 533,439. Recovery tally rose to 44,488,720, with active cases at 2,031. [[Full article](#)]

India has seen a single-day rise in 198 new COVID-19 infections, while the number of active cases has dropped to 1,764 (PTI, 2024). The rise began after the emergence of a new variant and cold weather conditions. The highest single-day rise was 841 new cases on December 31, 2023. Around 92% of the 1,764 active cases are recovering under home isolation. India has experienced three waves of COVID-19, with the peak incidence occurring during the Delta wave in April-June 2021. Since the pandemic began, over 45 million people have been infected and over 530,000 have died. [[Full article](#)]

- **Kyrgyzstan** registered 9,295 cases of acute respiratory viral infection (ARVI) and influenza, as well as five COVID-19 cases from January 15 to 21 (Bengard, 2024). The incidence rate decreased by 8.1% compared to the previous week, with 67.1% of patients being children under 14. High incidence was observed in Bishkek, Osh, and Chui regions, while all cases were registered in the capital. The epidemiological situation is under control. [[Full article](#)]
- **Pakistan:** Nine new COVID-19 cases were reported in Pakistan in the last week, with a case positivity ratio of 0.33% (Ali, 2024). No patients were in critical condition, and no deaths were reported. The government strengthened the role of Border and Health Services, implementing surveillance systems at all entry points, including airports, and rapid tests and screening of passengers. 90% of the population has already received the COVID-19 vaccine. [[Full article](#)]
- The **United States (US):** Wise County reported 50 new COVID-19 cases between January 9 and 16, 2024, bringing the county's total number of cases to 15,736 since spring 2020 (Coalfield Progress, 2024). The total number of COVID-19 deaths increased by one from 256 to 257. Norton's cumulative positive case count increased by five from 1,831 to 1,836, while the city's total number of deaths remained at 22. [[Full article](#)]

The US Centers for Disease Control and Prevention (CDC) has estimated COVID-19 subvariant JN.1 to account for 85.7% of cases in the US as of January 19 (Reuters, 2024). JN.1 is the most widely circulating variant of SARS-CoV-2 globally and there is no evidence that it causes more severe disease than other variants. Currently available vaccines are expected to increase protection against the variant. JN.1 was classified a "variant of interest" by the World Health Organization (WHO) in December 2023. [[Full article](#)]



COVID-19 is rapidly spreading, with a new variant called JN.1 affecting 86% of cases in the US and globally (Romo, 2024). The virus's rapid evolution has led to a lack of vaccination, with only 11% of children and 21% of adults receiving the updated vaccine. [\[Full article\]](#)

- **Russia:** Worldometer reports that 702 million people have been infected with COVID-19, with 6,972,344 confirmed deaths (ShiaWaves, 2024). Over 43,000 new cases and 272 deaths were reported in various countries, with Russia reporting the highest number of deaths and COVID-19 patients, with 141 deaths and 26,000 new infections reported. [\[Full article\]](#)

Regional Situation for Emerging Diseases

COVID-19

- **Thailand:** Last week, the COVID-19 variant JN.1 in Thailand increased, leading to an increase in hospitalizations and over ten deaths (Wipatayotin, 2024). Most hospitalized patients were elderly and did not receive a vaccine or boosters. The Department of Disease Control reported 718 new cases and 11 deaths in the week ending January 20. Out of these, 209 patients suffered severe pneumonia, with 149 requiring endotracheal intubation. All deceased patients belonged to the group of elderly people with chronic diseases. [\[Full article\]](#)
- **Cambodia** reported one new COVID-19 case on Thursday, bringing the total to 139,071 (Reaseyeam38, 2024). No deaths were reported, with fatalities remaining at 3,056. Over 136,005 patients have recovered nationwide. Over 15.3 million doses of COVID-19 vaccines have been administered, with over 10 million shots for people aged 18 and above. Cambodia has already recorded COVID-19 infections with Omicron BA.4, BA.5 sub-variants, and JN.1 variants. [\[Full article\]](#)

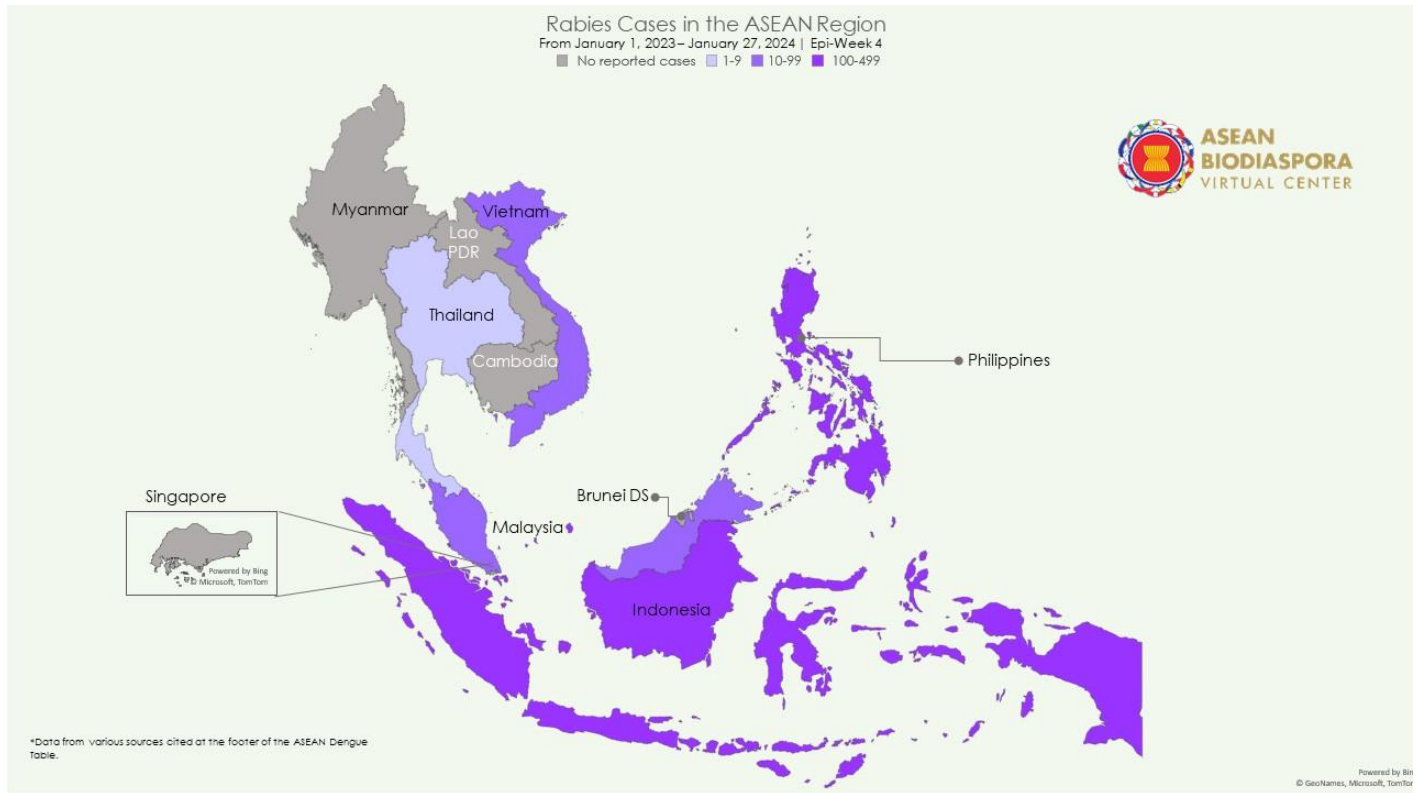
Mpox

- **Cambodia** has reported a new mpox case, raising the total number of confirmed cases to four since December (Xinhua, 2024). The Ministry of Health confirmed the latest case, which has been undergoing proper treatment at a hospital. [\[Full article\]](#)

ZOONOSIS

Rabies Cases in the ASEAN Region

From January 1, 2023 to January 27, 2024 (Epi-Week 4)



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 52 '23	118	0	118	100%
Lao PDR	-	-	-	-	-
Malaysia²	Week 4	25	3	25	100%
Myanmar	-	-	-	-	-
Philippines³	Week 48 '23	368	0	368	100%
Singapore			Rabies-free country		
Thailand⁴	Week 1	6	0	6	100%
Vietnam²	Week 52' 23	82	18	82	100%
Total		599	21	599	100%

1. Ministry of Health, Republic of Indonesia
2. BlueDot Developer Portal, accessed January 30, 2024, <https://developer-portal.bluedot.global/>.
3. Department of Health Website, accessed January 30, 2024 "Statistics," <https://doh.gov.ph/statistics>.
4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed January 30, 2024, <http://doe.moph.go.th/surdata/index.php>

- The **ASEAN** region reported **21** new rabies cases since the previous report. The region reported **599** total cases with **100%** CFR.



Media Monitoring for Zoonosis

Epidemiological Week 4 | January 21 – 27, 2024

Regional Situation for Zoonosis

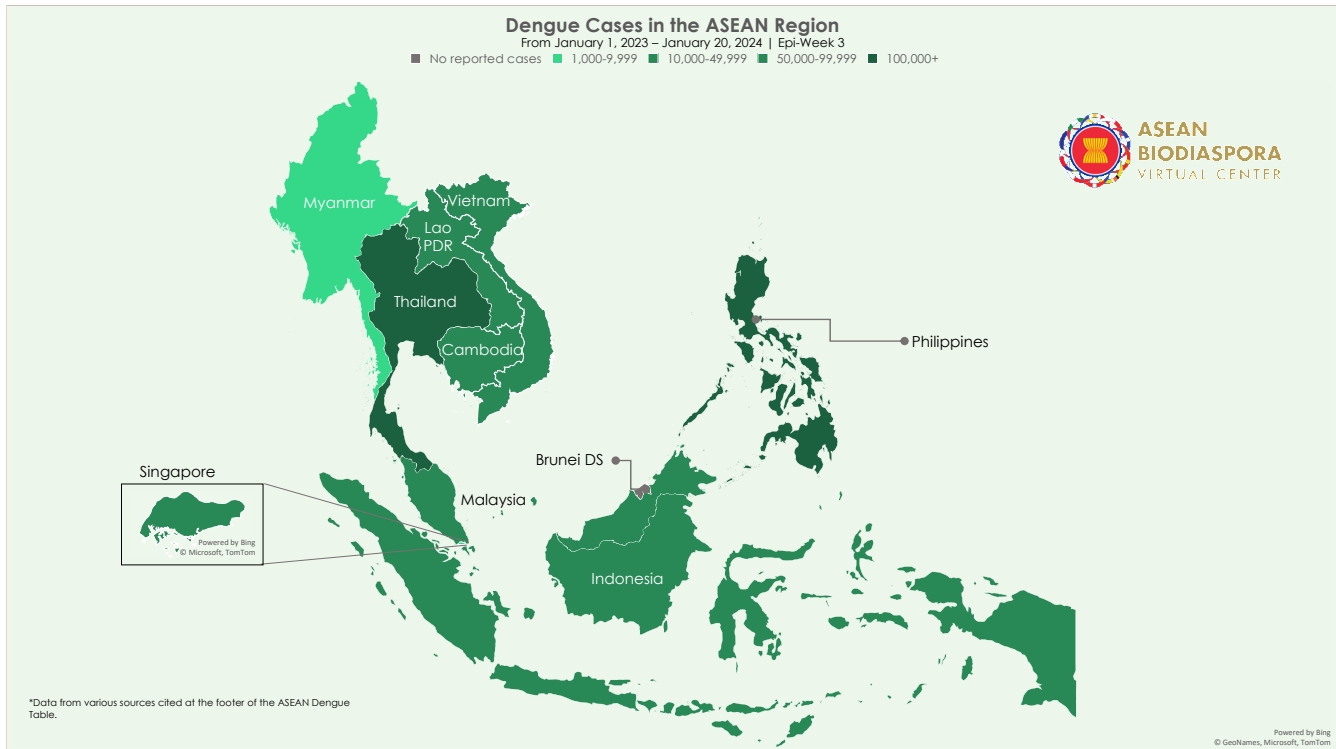
Rabies

- **Philippines:** A one-year-old boy in Moises Padilla, Negros Occidental, died from rabies after being bitten by their pet dog. The provincial health officer reported a drop in rabies cases in Negros Occidental last year, with only six cases compared to 10 in 2022. The Provincial Veterinary Office (PVO) detected 17 canine-positive rabies cases among dogs in the province, including its capital city. As of December 31, 2023, the PVO had vaccinated 123,000 dogs, but only 45% of the total dog population had been vaccinated. The PVO is lobbying for the purchase of rabies vaccines and is expecting a spike in rabies cases this year due to the effects of the El Niño phenomenon. [\[Full article\]](#)

VECTOR-BORNE DISEASES

Dengue Cases in the ASEAN Region

From January 1, 2023 to January 27, 2024 (Epi-Week 4)



Dengue cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-
Cambodia ¹	Week 52 '23	35,390	0	99	0	0.28%
Indonesia ²	Week 3	99,253	0	764	0	0.77%
Lao PDR ¹	Week 1	32,174	0	20	0	0.06%
Malaysia ³	Week 1	126,314	0	107	0	0.08%
Myanmar ⁴	Week 28 '23	6,685	0	30	0	0.45%
Philippines ⁵	Week 48 '23	195,603	0	657	0	0.34%
Singapore ⁶	Week 3	11,059	419	0	0	0.00%
Thailand ⁷	Week 1	158,585	0	181	0	0.11%
Vietnam ¹	Week 50 '23	166,619	0	42	0	0.03%
Total		831,682	419	1,900	0	0.23%

1. WHO WPRO, "Dengue," World Health Organization, accessed January 30, 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 January 30, 2024, https://www.moh.gov.my/index.php/database_stores/store_view/17.
 4. BlueDot Developer Portal, accessed January 30, 2024, <https://developer-portal.bluedot.global/>.
 5. Department of Health Website, accessed January 30, 2024 "Statistics," <https://doh.gov.ph/statistics>.
 6. Ministry of Health, "Weekly Infectious Disease Bulletin", accessed January 30, 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 January 30, 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 **419** new dengue cases in Singapore. The region reported **831,682** total cases and **1,900** total deaths with **0.23%** CFR.

Malaria Cases in the ASEAN Region

From January 1, 2023 to January 27, 2024 (Epi-Week 4)



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 4	1,901	2	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 28 '23	31	0	0	0.00%
Singapore ³	Week 3	27	3	0	0.00%
Thailand ²	Week 1	5,080	0	4	0.08%
Vietnam ¹	Week 42 '23	349	0	1	0.29%
Total		13,014	5	5	0.04%

1. BlueDot Developer Portal, accessed January 30, 2024, <https://developer-portal.bluedot.global/>.
2. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed January 30, 2024, <http://doe.moph.go.th/surdata/index.php>
3. Ministry of Health Singapore, accessed January 30, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The **ASEAN** region reported **five** new malaria case in Indonesia and Singapore since the previous report. The region reported **13,014** total cases and **five** total deaths with **0.04%** CFR.

Media Monitoring for Vector-borne Diseases

Epidemiological Week 4 | January 21 – 27, 2024

Global Situation for Vector-borne Diseases

Dengue

- **Bangladesh:** A dengue patient died and 32 patients were hospitalized in the last 24 hours, raising the total number of cases to 853 this year (Bss, 2024). Eight patients were hospitalized in Dhaka, while 24 were admitted to hospitals outside the capital city. [\[Full article\]](#)

Dengue cases in Bangladesh have risen to 907 this year, with 14 deaths in the first 23 days of 2024 (Report S.D, 2024). 143 patients are still undergoing treatment, with 750 released. Last year, the country had 1,705 deaths and 321,179 cases. [\[Full article\]](#)

- **India:** The Health Department reported 18 confirmed dengue cases across 36 districts in Punjab, with 11 in Lahore, two in Rawalpindi, two in Faisalabad, one in Gujarat, one in Sargodha, and one in Vehari (The news, 2024). [\[Full article\]](#)

Leptospirosis

- **India:** A young girl in Bhilwara, Rajasthan, has been diagnosed with leptospirosis, a potentially dangerous disease transmitted through rat-borne sources (Pillai G.S, 2024). The girl, who was initially treated at home, was referred to a private hospital in Bhilwara for further examination and treatment. Despite initial tests failing to identify the ailment, a positive test for leptospirosis was received, and treatment has been administered. Leptospirosis is a common infection during monsoon, especially in areas prone to flooding and waterlogging. It is known to spread to children through contact with rat urine, presenting symptoms similar to dengue. [\[Full article\]](#)

Malaria

- **India:** Gadchiroli, a malaria-endemic district in Nagpur, has reported fewer malaria cases than Mumbai for the first time in recorded history (Sarfaraz Ahmed, 2024). The Nagpur health circle, registered 6,342 cases in 2023, including 5,600 from Gadchiroli, compared to Mumbai's 6,478 cases. [\[Full article\]](#)

Melioidosis

- **Australia:** Nine cases of melioidosis, a rare tropical disease caused by bacteria in soil and water, have been recorded in the Cairns region in Far North Queensland, the highest number recorded in January for five years (Richardson H, 2024). The disease, caused by the bacteria *Burkholderia pseudomallei*, can be fatal in up to 50% of untreated cases. Most cases occur after heavy rain, as the bacteria, deep in the soil, rise to the surface. Director of Tropical Public Health Services Cairns, emphasized the importance of avoiding contact with floodwaters and soil due to the increased risk of melioidosis. If contact is not possible, avoiding inhaling dust or water drops, wearing gloves and boots, and washing off mud on skin can help reduce the risk of infection. [\[Full article\]](#)



Regional Situation for Vector-borne Diseases

Chikungunya

- **Indonesia:** Chikungunya has attacked residents of Mojodanu Village and Ngampel Village in Ngusikan Sub-district, Jombang District, for almost a month (Ilham M, 2024). The outbreak, which began with fever and joint pain, has spread to other residents and has caused mouth ulcers. The average complaint is fever and joint pain. As of January 25, 2024, the outbreak has not been completely resolved, and the disease has spread to two hamlets in Mojodanu Village. Head of the Keboan Public Health Center, Ngusikan, confirmed the complaints but noted that joint pain complaints have not been proven to be chikungunya. Test results are needed to confirm the diagnosis. [\[Full article\]](#)
- **Malaysia:** Dengue fever cases in Malaysia have increased to 3,525 cases from January 7 to 13, with two deaths reported (Ani, 2024). The Ministry of Health warns that persistent rainy weather is contributing to the problem, with the southwest monsoon season from November to March increasing potential breeding areas for aedes mosquitoes. The number of hotspots has risen from 130 to 136. [\[Full article\]](#)
- **The Philippines:** Chikungunya cases in the Philippines increased 269% in 2023 (Campos, 2024). Central South Region recorded 27 cases, Chorotega 16 cases, and Central Pacific regions 14 cases. Those were the 3 regions with the highest number of reports from the Ministry of Health. The country-wide rate of the virus increased from 1.8 per 100,000 inhabitants in 2022 to 96 in 2023. [\[Full article\]](#)

Dengue cases in the Philippines have decreased by 24.40% from January 1 to 13, with a case fatality rate of 25% (Jaymalin, 2024). The Department of Health (DOH) has warned the public to take necessary precautions to prevent the spread of dengue, particularly during the rainy season, as improper water storage can serve as breeding sites for mosquitoes. The DOH has advised the public to search and destroy mosquito breeding sites, uphold self-protection, seek early consultation, support fogging and misting, and sustain hydration. [\[Full article\]](#)

- **Singapore** dengue cases have surged for the seventh consecutive week, with 410 cases recorded in January 2024, bringing the total number of infections for 2024 to 1,110 (Pagaduan M, 2024). The National Environment Agency (NEA) is calling for immediate action to prevent a surge in cases, emphasizing the importance of collective community vigilance. Residents are advised to help suppress the Aedes mosquito population by spraying insecticide, using repellents, and wearing long-sleeved clothing. [\[Full article\]](#)

The National Environment Agency (NEA) reported six dengue deaths in 2023, with a total of 2,546 cases reported in the fourth quarter (Chan G, 2024). Singapore recorded 19 dengue deaths in 2022, the second-highest number in a year on record. Local dengue cases have risen for the seventh consecutive week, with 410 cases recorded from January 14 to 20. January 2024 saw 1,180 cases, the highest in the last three years. There are over 80 active dengue clusters. [\[Full article\]](#)



- **Timor-Leste:** Over 180 people in Timor-Leste have been infected with the first chikungunya outbreak, with most cases reported in Dili (Sousa, 2024). The virus, transmitted by infected mosquitoes, is primarily transmitted by humans. The outbreak has led to a health advisory, with 183 cases reported as of January 25. The virus is characterized by fever, joint pain, headaches, and rash. WHO Timor-Leste is ready to cooperate with the Ministry of Health to control the spread of chikungunya, dengue, and Zika. [\[Full article\]](#)

Vice Minister for Institutional Health Strengthening, confirmed the presence of the chikungunya virus in the country (Ermera D, 2024). The virus, transmitted by the same mosquitoes as dengue and yellow fever, causes fever and severe joint pain. The virus has been detected in 55 infected people in Dili, Ermera, and Bobonaro municipalities. Despite eradicating malaria in 2018, eight cases were registered in Covalima in 2023. [\[Full article\]](#)

Dengue

- **Indonesia:** In 2023, 299 residents of Gunung Mas district, central Kalimantan, were infected with dengue hemorrhagic fever, with four deaths (Prokal.co, 2024). The cause of death was due to late medical treatment. The District Health Office (DHO) has conducted epidemiological investigations, fogging or fumigation, and distributed larva powder. They urge residents to eradicate mosquito nests and maintain cleanliness. However, the DHO faces challenges due to poor lifestyles, such as stagnant water and careless waste disposal. To prevent dengue spread, residents are encouraged to follow these activities, such as, draining water reservoirs, closing them, and burying used goods. [\[Full article\]](#)

The Situbondo District Health Office reported 40 dengue hemorrhagic fever cases in January 2024, primarily due to bites from the *Aedes aegypti* mosquito (Ilham, 2024). The increase was particularly pronounced during the rainy season, with dozens of cases spread across various sub-districts. The most affected areas were Situbondo, Panarukan, Besuki, Mlandingan, Asembagus, and Banyuputih. The head of the district health office noted a significant increase in cases in these sub-districts. [\[Full article\]](#)

As of January 20, 2024, Banjar District have reported 177 cases of Dengue Hemorrhagic Fever (DHF), with one death (Radio Suara Banjar, 2024). The increase is a significant concern, as it is more than the 51 cases in January 2023. To combat the spread of DHF, the Banjar District Health Office is urging residents to maintain cleanliness and follow proper procedures, such as exterminating larvae and Mosquito Nest Eradication. Additionally, residents are encouraged to clean around breeding areas and stagnant water. [\[Full article\]](#)

- The **Philippines:** A new person died from dengue fever in the Philippines, raising the number of fatalities to 14 (Online Report, 2024). The virus has affected 853 people, with 32 hospitalized and 148 patients undergoing treatment. The country experienced the highest dengue deaths in 2023, with 1,705 deaths in 2023 and 281 fatalities in 2022. [\[Full article\]](#)
- **Singapore:** Dengue infections have surged for six consecutive weeks, with 396 cases reported in the week of January 7-13, 2024, the highest weekly figure in over a year (Salma Khalik, 2024). The National Environment Agency (NEA) urges people living in dengue cluster areas to take immediate action to suppress the *Aedes* mosquito population and help break disease transmission. In 2023, nearly 10,000 cases were reported, down from 32,000 in 2022. Experts suggest recent storms could lead to a drop in cases. [\[Full article\]](#)

Malaria

- **Indonesia:** As of January 2024, malaria cases in Pohuwato District reached 837 cases, attributed to unhealthy lifestyles and miners' activities in several villages (Halid R, 2024). The problem is more about parasites that have developed in the body, spreading quickly. Prevention can be achieved through screening, a healthy lifestyle, and regularly consuming medicines from local health centers. The spread of malaria in Pohuwato District are 16 cases



per week. Efforts have been made to build screening posts in several malaria transmission centers, but operational funds are a challenge. Regular screenings are crucial to combat the spread of malaria in the region. [\[Full article\]](#)

Malaria cases in Pohuwato District have increased, prompting the Gorontalo Provincial Health Office to urge public awareness and take preventive measures (Dailypost.id, 2024). Malaria, caused by the bite of an infected mosquito, is a dangerous disease if not treated properly. The Gorontalo Provincial Health Office has identified cases in all districts and cities, including imported and indigenous cases. The health office urges the public to visit nearest health facilities if they experience symptoms of malaria, especially those with a history of travel to endemic areas. The health office also urges individuals diagnosed with malaria to undergo treatment with full awareness to prevent recurrence. [\[Full article\]](#)

Zika

- **Thailand:** Public health authorities are preparing for a potential Zika virus outbreak in Nakhon Ratchasima province, following 19 reported cases in the lower Northeast district (Pattaya Mail, 2024). The virus, transmitted by mosquitoes, has affected 758 individuals across 36 provinces, with Chanthaburi, Phetchabun, and Trat experiencing the highest number of infections. Symptoms include rashes, fever, headaches, and joint and muscle pains. Pregnant women and those planning pregnancy should seek medical attention. [\[Full article\]](#)

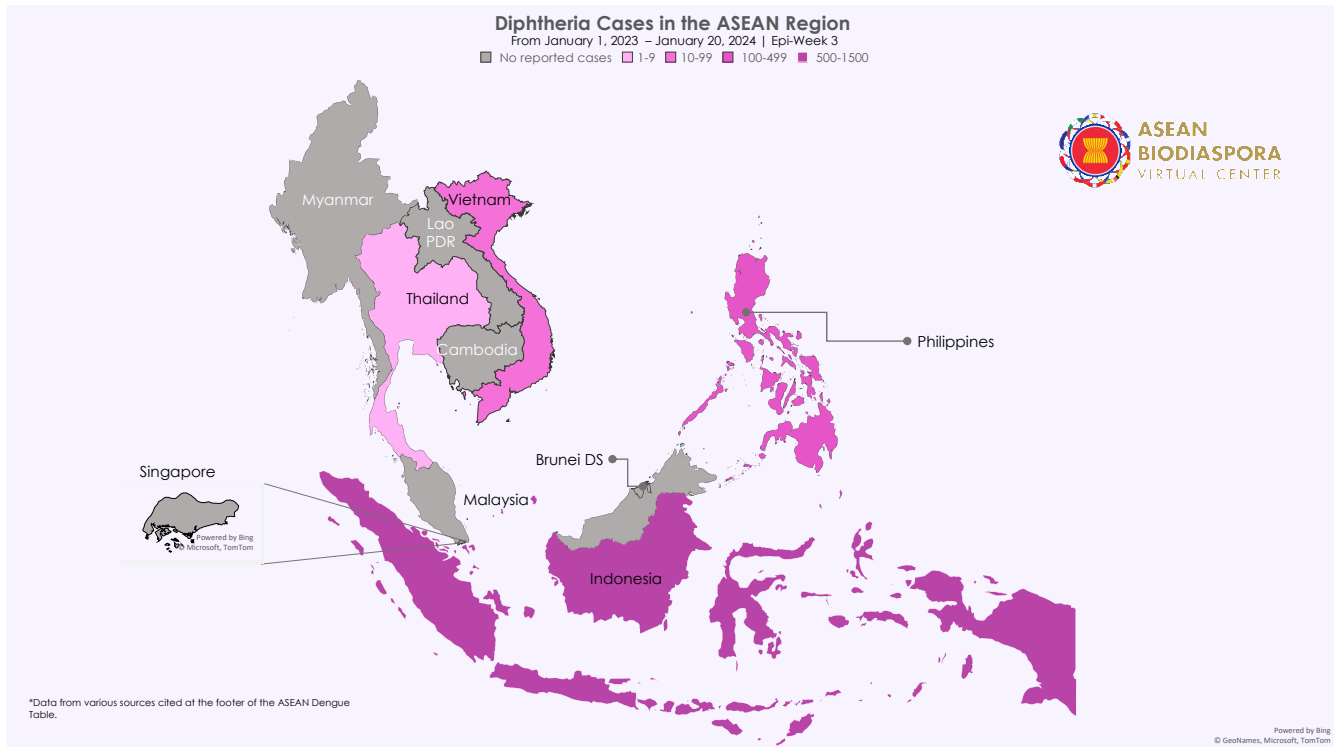
Public health authorities are preparing for a potential Zika virus outbreak after 19 cases were reported in the lower Northeast region between January 1 and 3 (VNA, 2024). The virus has affected at least 758 individuals across 36 provinces, with Chanthaburi, Phetchabun, and Trat experiencing the highest number of infections. [\[Full article\]](#)

- **Timor-Leste:** In January, Zika cases were confirmed, affecting infants under one year old and residents of Ermera municipality, according to the Director General of Primary Health Care during a press conference at the Ministry of Health in Dili (Lusa, 2024). The official specified that a Ministry of Health surveillance team is currently investigating to gather information on how these children contracted the disease. She also emphasized that there were no reported serious cases or fatalities from these three diseases. The Director General of Primary Health Care at the Ministry of Health advised the public to undergo testing if they exhibit symptoms such as fever, joint and body pain, headaches, and skin rashes. Additionally, she recommended the use of mosquito nets, repellents, and cautioned against stagnant water in gardens and backyard areas. [\[Full article\]](#)

VACCINE-PREVENTABLE DISEASES

Diphtheria Cases in the ASEAN Region

From January 1, 2023 to January 27, 2024 (Epi-Week 4)



Diphtheria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Diphtheria Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 2	914	5	61	6.67%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 48 '23	198	-	50	25.25%
Singapore ³	-	-	-	-	0.00%
Thailand ⁴	Week 1	6	-	-	0.00%
Vietnam ⁵	Week 52 '23	55	14	5	9.09%
Total		1,173	19	116	9.89%

1. Ministry of Health, Republic of Indonesia.
2. Department of Health Website, accessed January 30, 2024 "Statistics," <https://doh.gov.ph/statistics>.
3. Ministry of Health Singapore, accessed January 30, 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 January 30, 2024, <http://doe.moph.go.th/surdata/index.php>
5. BlueDot Developer Portal, accessed January 30, 2024, <https://developer-portal.bluedot.global/>

- The ASEAN region reported **19** new diphtheria cases since the previous report. The region reported **1,173** total cases and **116** total deaths in 2023 with **9.89%** CFR.

Measles Cases in the ASEAN Region

From January 1, 2023 to January 27, 2024 (Epi-Week 4)



Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 52 '23	10,284	582	11	0.11%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 48 '23	2,576	0	16	0.62%
Singapore ³	Week 3	8	0	-	0.00%
Thailand ⁴	Week 1	352	0	0	0.00%
Vietnam	-	-	-	-	-
Total		13,220	582	27	0.20%

1. Ministry of Health, Republic of Indonesia
 2. Department of Health Website, accessed January 30, 2024 "Statistics," <https://doh.gov.ph/statistics>.
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed January 30, 2024, <http://doe.moph.go.th/surdata/index.php>
 4. Ministry of Health Singapore, accessed January 30, 2024, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The **ASEAN** region reported **582** new measles cases in Indonesia since the previous report. The region reported **13,220** total cases and **27** total deaths with **0.20%** CFR.



Media Monitoring for Vaccine-Preventable Diseases

Epidemiological Week 4 | January 21 – 27, 2024

Global Situation for Vaccine-Preventable Diseases

Measles

- **Australia:** NSW Health has issued a warning about measles after a confirmed case in the Australian Capital Territory was confirmed after a traveler returned from India (Karacsony, 2024). The case was found in three locations, including an Air India flight from Delhi to Sydney, and the person's transit through Sydney Airport and the Murray Bus to Canberra. Symptoms typically appear 7-18 days after infection. [[Full article](#)]
- The **United Kingdom (UK):** Public Health Scotland has urged the public to get the Measles, Mumps and Rubella (MMR) vaccine after a second case of measles in three months was confirmed in Scotland (Jakson, 2024). The number of people receiving the vaccine has declined across all UK nations in recent years. The MMR vaccine protects against measles, with the first dose offered to children aged 12-13 months and the second dose at 3 years 4 months. Between July and September 2023, 93.3% of children received their first dose. [[Full article](#)]

The West Midlands reported the highest number of cases of measles, with 36 reported in the week leading up to 14 January, up from 27 the previous week (Sky News, 2024). London saw a decrease in cases, while the East of England saw a decrease in suspected cases. The UK Health Security Agency (UKHSA) weekly report only shows suspected cases. [[Full article](#)]

- The **United States (US):** Nearly a dozen measles cases have been reported in Pennsylvania, Virginia, and Georgia in recent weeks, with experts pointing to international travel and declining global vaccination rates as the main reasons (Musa & Hassan, 2024). The Philadelphia Department of Public Health confirmed at least nine cases of measles over the past month, leading to a Philadelphia day care outbreak involving at least five children. The number of measles cases in the United States has climbed to 764 in 23 states, with 60 new cases reported in the past week, breaking recent records. [[Full article](#)]
- **Russia:** Three cases of measles have been confirmed in the Pskov region, according to the chief sanitary doctor of the region (PSKOV, 2024). The disease is transmitted by airborne droplets and is highly contagious. Symptoms include intoxication, conjunctivitis, maculopapular rash, and temperature. The main preventive measure is vaccination, which is carried out for children from one year old. The regional Rospotrebnadzor department is under special control for measles incidence. The department is currently investigating the outbreak and contact tracing. All patients were hospitalized in an infectious diseases hospital, and two people have been discharged. [[Full article](#)]

New measles cases have been identified in the Saratov region, with 16 confirmed cases registered since the beginning of the year (Aksenova, 2024). The disease affects 12 children and 4 adults, with five cases currently being tested in Petrovsk and Saratov. COVID-19 has stabilized, with 68 inpatient and 560 outpatient treatment cases. However, there is still an excess for ARVI, with 21,599 cases in the region in the third week. [[Full article](#)]

- **Ukraine:** Four measles cases in unvaccinated children were confirmed in Odesa, Ukraine, with no fatalities (Pavlyuk, 2024). The disease was detected in two family units, considered outbreaks. The last two cases were registered in one family outbreak among children aged 3 and 1 years. The World Health Organization (WHO) reported a 30 times increase in measles incidence in Europe, with 941 cases recorded in 2022 and over 30 thousand cases from January to October 2023. [[Full article](#)]



Pertussis

- **Maldives:** Three cases of whooping cough, also known as pertussis, have been discovered on the Villingili Island of Gaaf Alif Atoll (Zalif Z, 2024). The Health Protection Agency (HPA) has urged parents who have not given vaccine doses to children under seven years of age to complete their vaccination at the earliest. The disease is transmitted through the respiratory tract and can cause intense and chronic coughing after a week, lasting for two months or more. Babies under three months are at the highest risk of complications, hospitalization, and even death. The most common complication observed in the illness is pneumonia or lung infection. Vaccination can reduce the chance of getting infected and getting sick. The Pentavalent Vaccine can be administered to babies at two, four, and six months of age, and DPT boosters are administered at the age of four. [\[Full article\]](#)
- **Russia:** The Ministry of Health reported an increase in whooping cough cases in Yaroslavl since 2022, with 397 cases recorded in 2023 and 62 hospitalizations (News S, 2024). In 2024, three cases were registered, one hospitalized, and three unvaccinated. No deaths were reported during this period. [\[Full article\]](#)

Regional Situation for Vaccine-Preventable Diseases

Measles

- **Malaysia:** Sabah Health Department is now providing targeted immunization to children affected by a measles outbreak, as over 80% of those infected had not been vaccinated (Online T.S, 2024). The outbreak has affected 52 cases, with 65% involving foreigners and 46% of children aged seven to 17 infected. Most cases have recovered, with only one hospital case admitted for further treatment. [\[Full article\]](#)



Media Monitoring for Other Diseases

Epidemiological Week 4 | January 21 – 27, 2024

Global Situation for Other Diseases

Tuberculosis

- Nepal:** Baglung district plans to reduce tuberculosis (TB) infection to zero, but the District Health Office faces pressure after 111 cases of TB were reported in Badigad Rural Municipality (TRN Onlien, 2024). 26 patients are suffering from communicable TB. The rural municipality will continue to identify patients and support treatment. An Xpert XDR Machine has been installed in Dhaulagiri Hospital for TB detection, treatment, and effectiveness measurement. [\[Full article\]](#)

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

Epidemiological Week 4 | From January 1, 2023 to January 27, 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	77,129	77	0.10%	-	-	-	Rabies-free Country			-	-	-
Cambodia	644	-	0.00%	3	0	0	-	-	-	35,390	99	0.28%
Indonesia	114,961	1,342	1.17%	78	0	0	118	118	100%	99,253	764	0.77%
Lao PDR	1,329	87	6.55%	1	0	0	-	-	-	32,174	20	0.06%
Malaysia	250,567	483	0.19%	9	0	0	25	25	100%	126,314	107	0.08%
Myanmar	8,039	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	791,041	222	0.03%	32	0	0%	Rabies-free Country			10,244	0	11,059
Thailand	46,095	878	1.90%	673	1	0.15%	6	6	100%	158,585	181	0.11%
Vietnam	100,747	20	0.02%	135	6	4.44%	82	82	100%	166,619	42	0.03%
ASEAN Region	1,531,923	4,581	0.30%	936	7	0.75%	599	599	100%	831,682	1,900	0.23%

Infectious Diseases	Malaria			Measles			Diphtheria		
	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR	Cum. Cases	Cum. Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-	-	-	-
Indonesia	1,901	0	0%	10,284	11	0.11%	914	61	6.67%
Lao PDR	-	-	-	-	-	-	-	-	-
Malaysia	1,116	0	0%	-	-	-	-	-	-
Myanmar	4,510	0	0%	-	-	-	-	-	-
Philippines	31	0	0%	2,576	16	0.62%	198	50	25.25%
Singapore	27	0	0%	8	0	0%	-	-	-
Thailand	5,080	4	0.08%	352	0	0%	6	0	0.00%
Vietnam	349	1	0.29%	-	-	-	55	5	9.09%
ASEAN Region	13,014	5	0.04%	13,220	27	0.20%	1,173	116	9.89%



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