

ASEAN BIODIASPORA VIRTUAL CENTER

Morbidity and Mortality Weekly Report

Infectious and Emerging Diseases

ASEAN REGION

November 29, 2023 | MMWR 2023-47
Epidemiological Week 47

With Support by:





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Weekly Issue





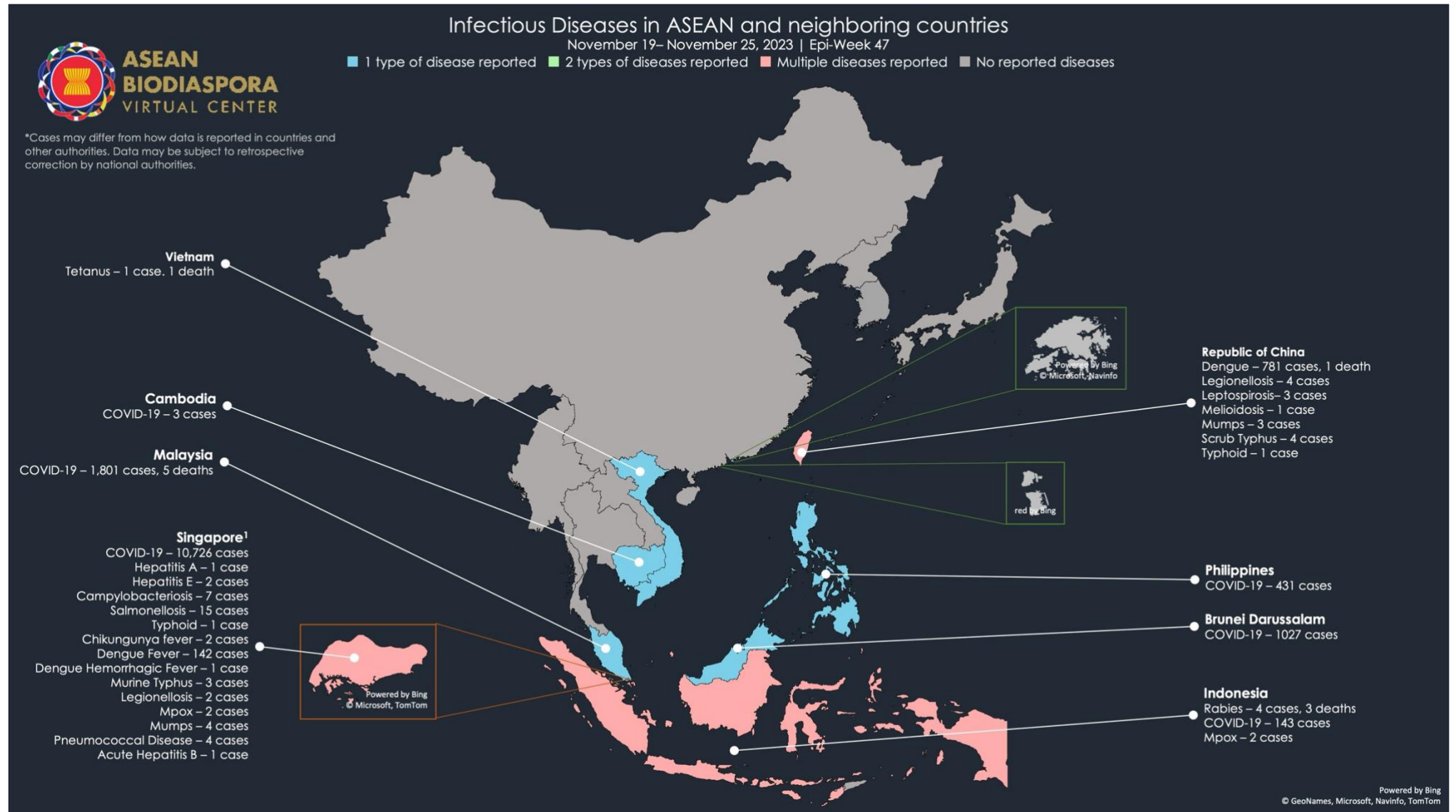
Table of Contents

Infectious Diseases	1	Vector-Borne Diseases	17
Reported Infectious Diseases in the ASEAN Region and Neighboring Countries	1	Dengue	18
Infectious Diseases in the ASEAN Region in 2023 – Summary Table 1 of 2	2	Dengue Cases in the ASEAN Region Map	18
Infectious Diseases in the ASEAN Region in 2023 – Summary Table 2 of 2	3	Dengue Cases in the ASEAN Region Table	18
Emerging Diseases	4	Malaria	19
COVID-19	5	Malaria Cases in the ASEAN Region Map	19
COVID-19 Cases and Deaths	5	Malaria Cases in the ASEAN Region Table	19
COVID-19 Cases in the ASEAN Region Table	5	Chikungunya	20
Epidemic Curve Among the ASEAN Member States	6	Chikungunya Cases in the ASEAN Region Map	20
ASEAN Weekly New Cases and Deaths	7	Chikungunya Cases in the ASEAN Region Table	20
COVID-19 Variants Frequencies Among the ASEAN Member States	8	Event Updates for Vector-borne Diseases	21
COVID-19 Variants Frequencies in the ASEAN Region	9	Global Updates	21
ASEAN COVID-19 Vaccination Status	10	Regional Updates	22
Mpox	11	Vaccine-Preventable Diseases	23
Mpox Cases Reported in the ASEAN Region	11	Diphtheria	24
Highlights and Situation Overview	12	Diphtheria Cases in the ASEAN Region Map	24
Mpox Cases in the ASEAN Region Table	12	Diphtheria Cases in the ASEAN Region Table	24
Top 5 Countries with Most Mpox Cases Globally	12	Measles	25
Mpox Cases per Region	12	Measles Cases in the ASEAN Region Map	25
Event Updates for Emerging Diseases	13	Measles Cases in the ASEAN Region Table	25
Global Updates	13	Event Updates for Vaccine-Preventable Diseases	26
Regional Updates	13	Global Updates	26
Zoonosis	14	Regional Updates	26
Rabies	15	Event Updates for Other Infectious Diseases	27
Rabies Cases in the ASEAN Region Map	15	Global Updates	27
Rabies Cases in the ASEAN Region Table	15	Regional Updates	27
Event Updates for Zoonosis Diseases	16	References	28
Regional Updates	16		



Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 47 | November 19-25, 2023



The data was taken from BlueDot Developer Portal, accessed November 28, 2023, <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>.



Infectious Diseases in the ASEAN Region in 2023 – Summary Table 1 of 2

Epidemiological Week 47 | From January 1 to November 25, 2023

Infectious Diseases	COVID-19			Mpox			Rabies			Dengue		
	Cumulative Cases	Cumulative Deaths	CFR	Cumulative Cases	Cumulative Deaths	CFR	Cumulative Cases	Cumulative Deaths	CFR	Cumulative Cases	Cumulative Deaths	CFR
Brunei Darussalam	52,479	77	0.15%	-	-	-	-	-	-	-	-	-
Cambodia	516	-	0.00%	-	-	-	-	-	-	26,912	39	0.14%
Indonesia	102,408	1,308	1.28%	59	-	0.00%	320	55	17.19%	78,209	574	0.73%
Lao PDR	1,312	87	6.63%	1	-	0.00%	-	-	-	30,292	19	0.06%
Malaysia	115,232	334	0.29%	4	-	0.00%	21	19	90.48%	108,108	80	0.07%
Myanmar	7,793	5	0.06%	-	-	-	-	-	-	6,685	30	0.45%
Philippines	124,908	1,358	1.09%	1	-	0.00%	327	327	100.00%	167,355	575	0.34%
Singapore	523,943	189	0.04%	28	-	0.00%	-	-	-	8,831	-	0.00%
Thailand	40,198	822	2.04%	565	1	0.18%	5	5	100.00%	136,655	255	0.19%
Vietnam	100,747	20	0.02%	78	1	1.28%	64	64	100.00%	135,879	35	0.03%
Total ASEAN Region	1,069,536	4,200	0.39%	736	2	0.27%	737	470	63.77%	698,926	1,607	0.23%



Infectious Diseases in the ASEAN Region in 2023 – Summary Table 2 of 2

Epidemiological Week 45 | From January 1 to November 25, 2023

Infectious Diseases	Malaria			Chikungunya			Measles			Diphtheria		
	Cumulative Cases	Cumulative Deaths	CFR	Cumulative Cases	Cumulative Deaths	CFR	Cumulative Cases	Cumulative Deaths	CFR	Cumulative Cases	Cumulative Deaths	CFR
Brunei Darussalam	-	-	-	-	-	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	1,899	-	0.00%	462	-	0.00%	8,802	17	0.19%	1,015	45	4.43%
Lao PDR	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	1,116	-	0.00%	185	-	0.00%	-	-	-	-	-	-
Myanmar	4,510	-	0.00%	-	-	-	-	-	-	-	-	-
Philippines	31	-	0.00%	2,691	-	0.00%	2,024	6	0.30%	162	38	23.46%
Singapore	20	-	0.00%	13	-	0.00%	6	-	0.00%	-	-	-
Thailand	4,767	4	0.08%	1,233	-	0.00%	312	-	0.00%	5	-	0.00%
Vietnam	349	-	0.00%	-	-	-	-	-	-	41	3	7.32%
Total ASEAN Region	12,692	4	0.03%	4,584	0	0.00%	11,144	23	0.21%	1,223	86	7.03%

Dominique Faget/AFP/Getty Images

Emerging Diseases



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COVID-19 Cases and Deaths

- As of 25 November 2023 (5PM, GMT+7), there were **698,444,224** confirmed cases **worldwide**, including **6,943,800** deaths. Globally, Case Fatality Rate (CFR) was **0.99%**.
- 36,479,639 total confirmed cases** of COVID-19 have been reported in the **ASEAN** Region.
- The CFR in the **ASEAN** Region was **1.01%**.

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	CUMULATIVE WITH AT LEAST ONE DOSE	CUMULATIVE FULLY VACCINATED	CUMULATIVE BOOSTED	FULLY VACCINATED PER 100
Brunei Darussalam	10-Mar-20	13-Nov-23	313,919	52,479	1,027	225	-	70,475	451,149	446,714	340,466	102.11
Cambodia	27-Jan-20	25-Nov-23	138,954	516	3	3,056	-	809	15,311,319	14,688,007	10,762,713	87.85
Indonesia	02-Mar-20	24-Nov-23	6,814,111	102,408	143	161,920	-	2,441	203,878,473	174,965,361	69,304,587	74.56
Lao PDR	24-Mar-20	25-Nov-23	218,898	1,312	3	758	-	2,926	6,324,678	5,691,962	2,451,034	78.23
Malaysia	25-Jan-20	16-Nov-23	5,134,632	115,232	1,801	37,191	5	15,475	28,140,965	27,554,035	16,348,342	85.13
Myanmar	23-Mar-20	14-Nov-23	641,368	7,793	-	19,495	-	1,161	41,551,927	35,937,796	15,987,381	66.05
Philippines	30-Jan-20	24-Nov-23	4,123,920	124,908	431	66,755	-	3,665	82,684,774	78,443,972	23,811,248	71.58
Singapore	23-Jan-20	20-Nov-23	2,710,617	523,943	10,726	1,900	-	45,606	5,284,679	5,248,693	4,769,158	89.72
Thailand	13-Jan-20	20-Nov-23	4,759,106	40,198	-	34,491	-	6,791	57,677,705	54,190,437	27,408,651	77.33
Vietnam	23-Jan-20	24-Oct-23	11,624,114	100,747	-	43,206	-	11,747	90,272,853	85,961,564	57,975,220	88.31
ASEAN REGION			36,479,639	1,069,536	14,144	368,997	5	5,364	531,578,552	483,128,541	229,158,800	71.04

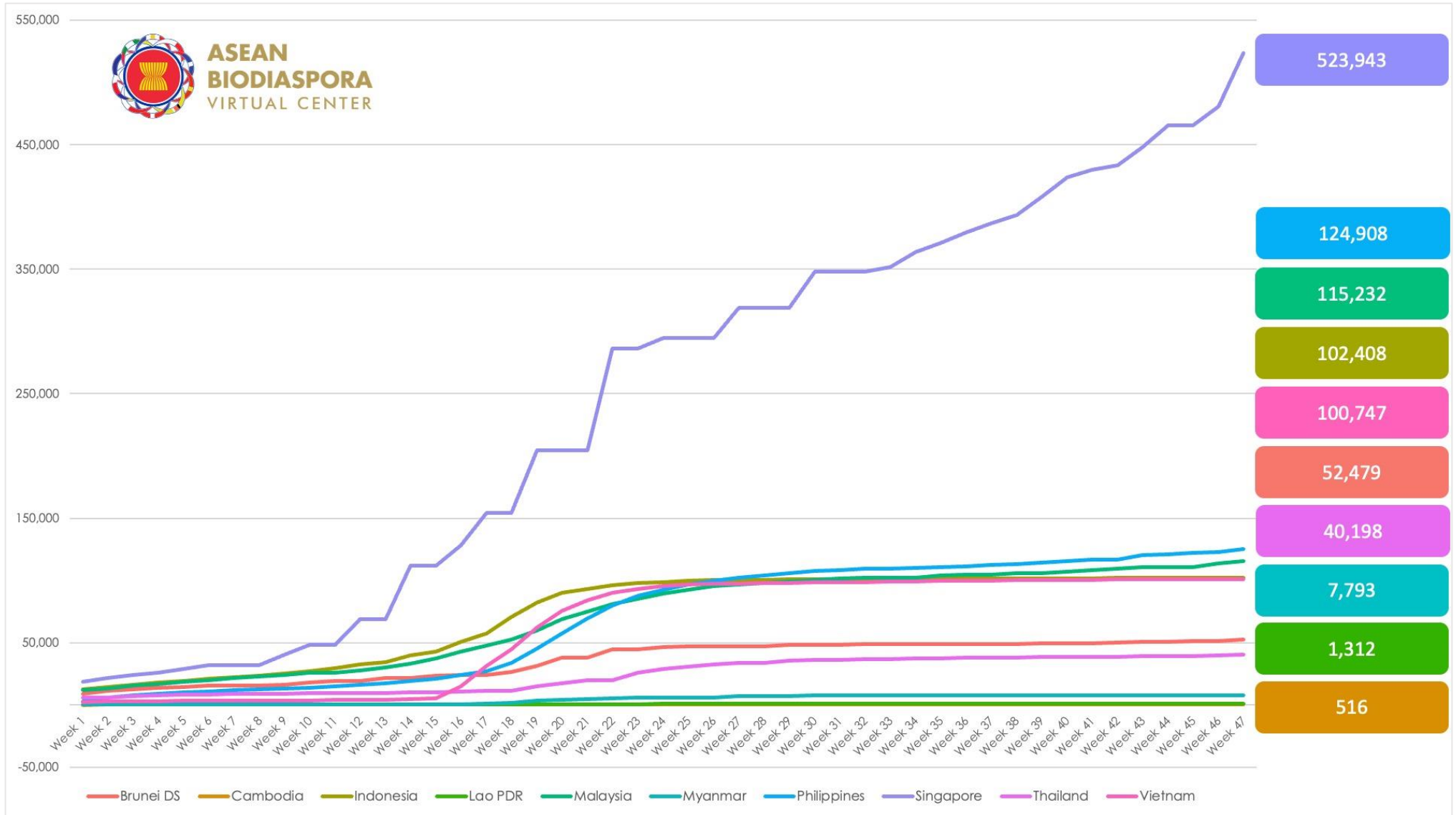
REGIONS	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS
AFRICA	12,845,325	860	258,851	4
AMERICAS	198,657,734	74,300	3,018,448	403
ASEAN	36,479,639	14,144	368,997	5
ASIA & OCEANIA	199,157,529	9,416	1,213,823	165
EUROPE	251,303,997	82,763	2,083,681	1,309
GLOBAL TOTAL	698,444,224	181,483	6,943,800	1,886

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



COVID-19 Epidemic Curve Among the ASEAN Member States

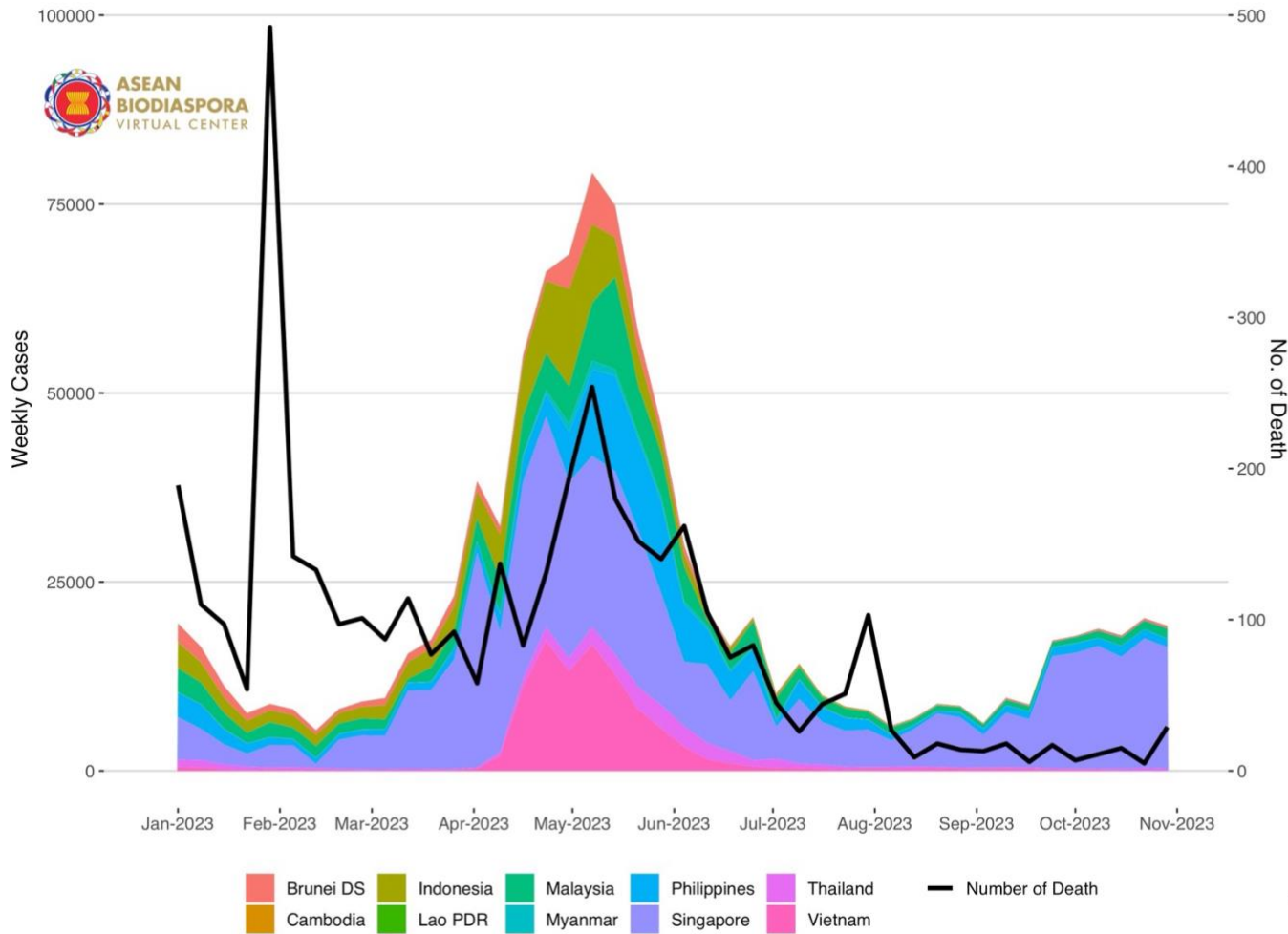
From January 1 to November 25, 2023





ASEAN Weekly COVID-19 New Cases and Deaths

From January 1, 2023 to November 25, 2023



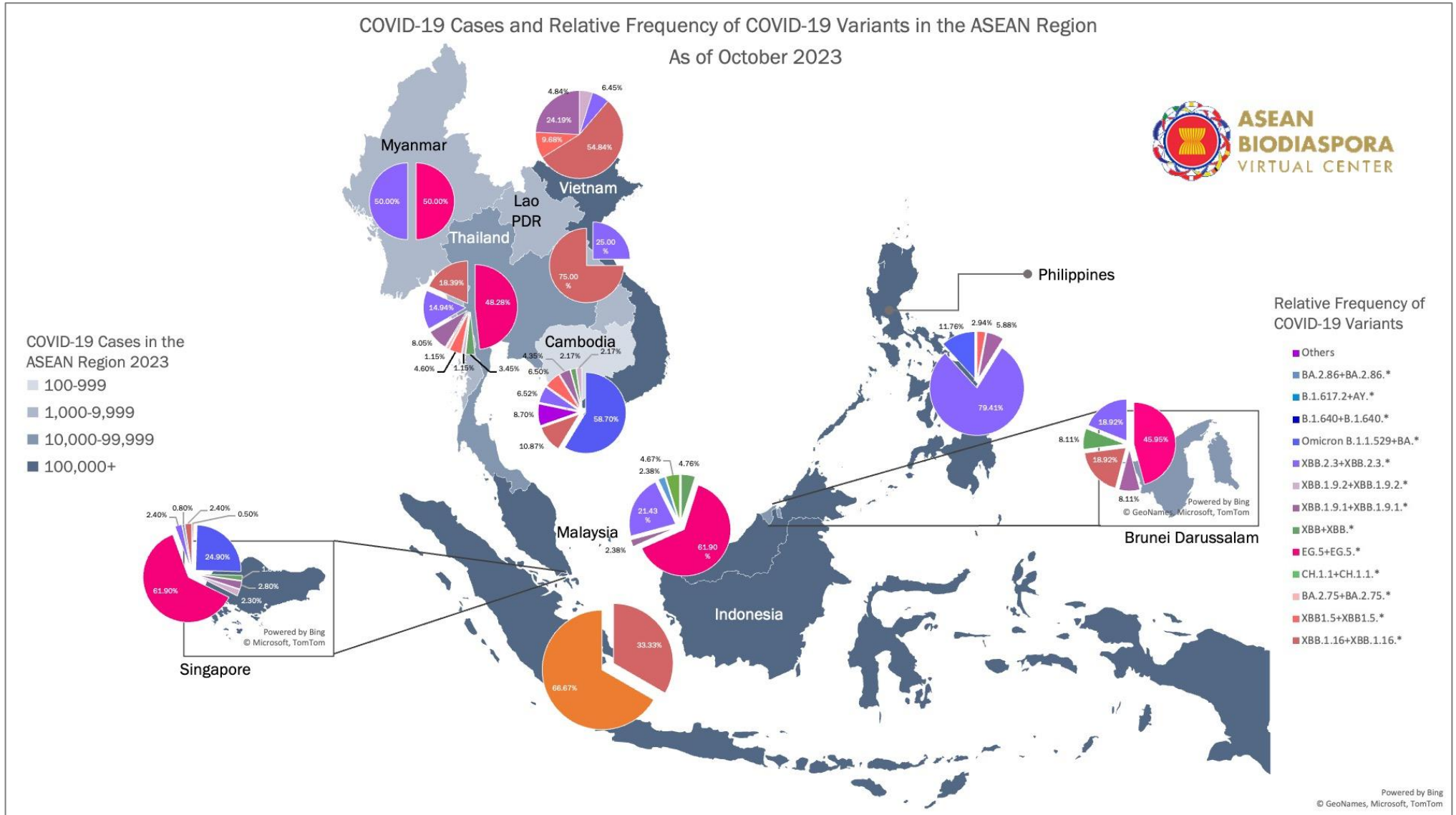
ASEAN MEMBER STATES	Weekly New Cases November 19 - 25, 2023	Weekly Deaths November 19 - 25, 2023
Brunei Darussalam	1,027	-
Cambodia	3	-
Indonesia	143	-
Lao PDR	3	-
Malaysia	1,801	5
Myanmar	-	-
Philippines	431	-
Singapore	10,726	-
Thailand	-	-
Vietnam	-	-

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



COVID-19 Variants Frequencies Among the ASEAN Member States

As of October 2023

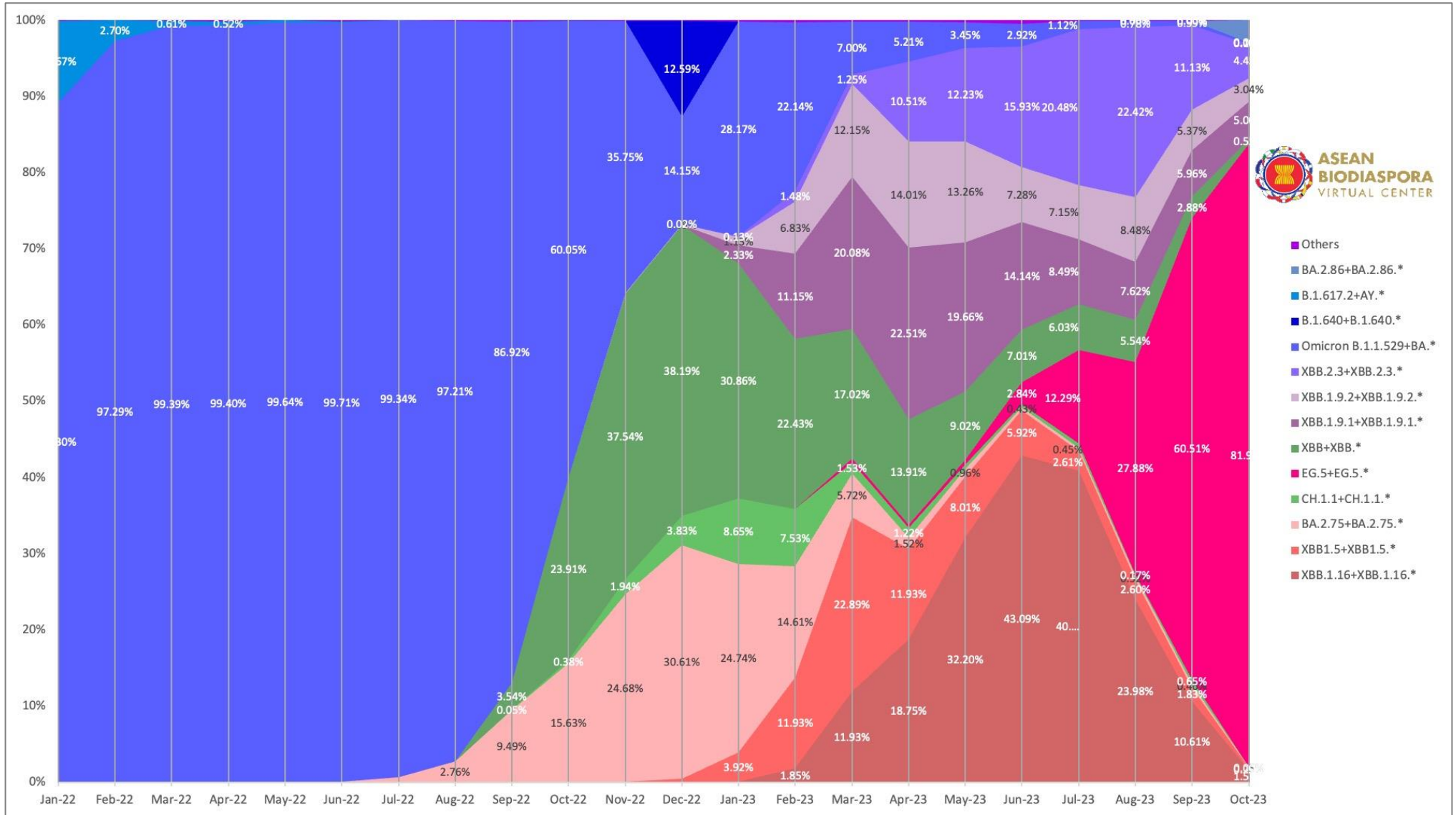


GISAID. "hCoV-19 Variants Dashboard," accessed November 28, 2023, <https://gisaid.org/hcov-19-variants-dashboard/>.



COVID-19 Variants Frequencies in the ASEAN Region

From January to October 2023

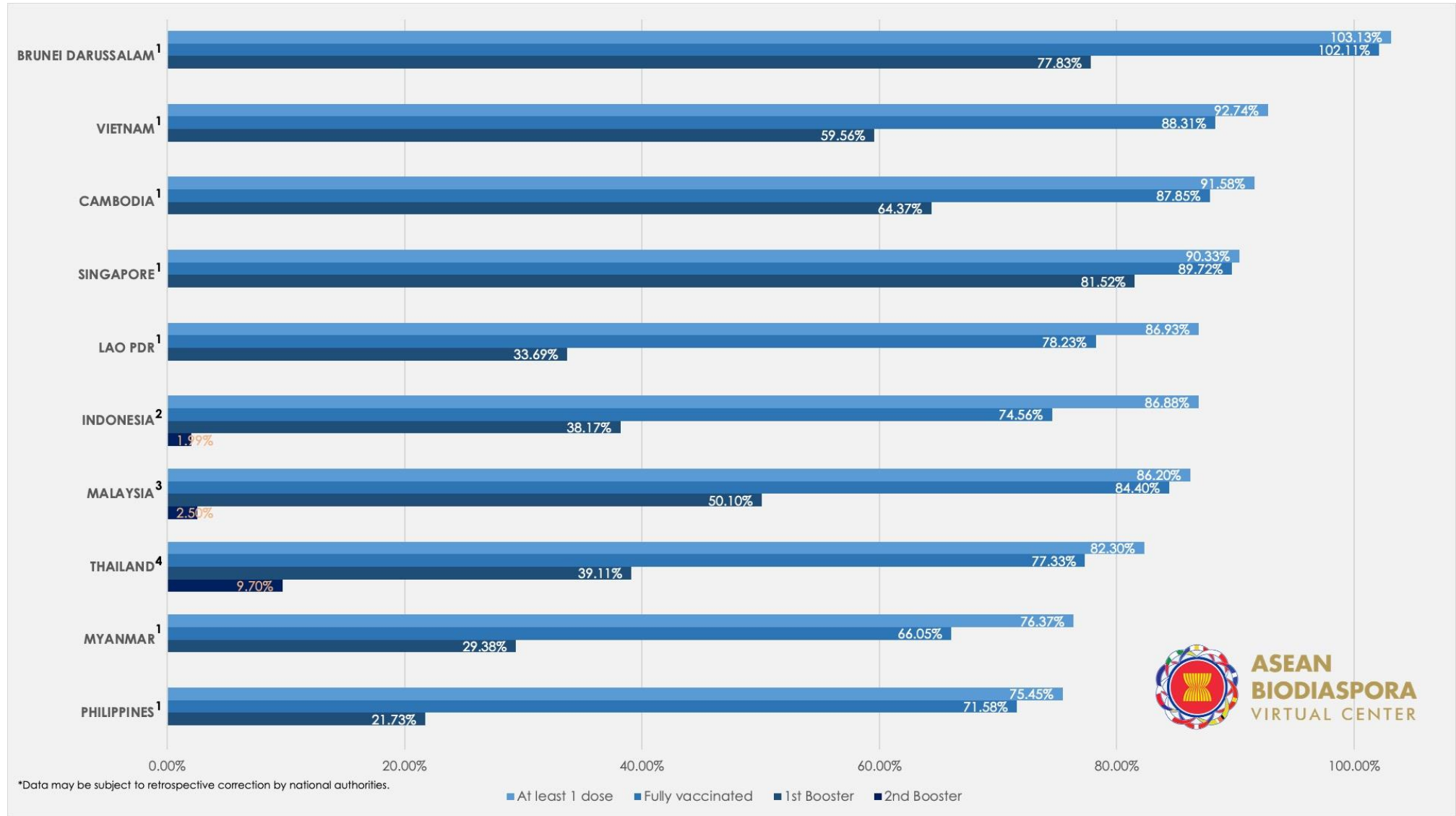


GISAID. "hCoV-19 Variants Dashboard," accessed November 28, 2023, <https://gisaid.org/hcov-19-variants-dashboard/>.



ASEAN COVID-19 Vaccination Status

As of 25 November 2023

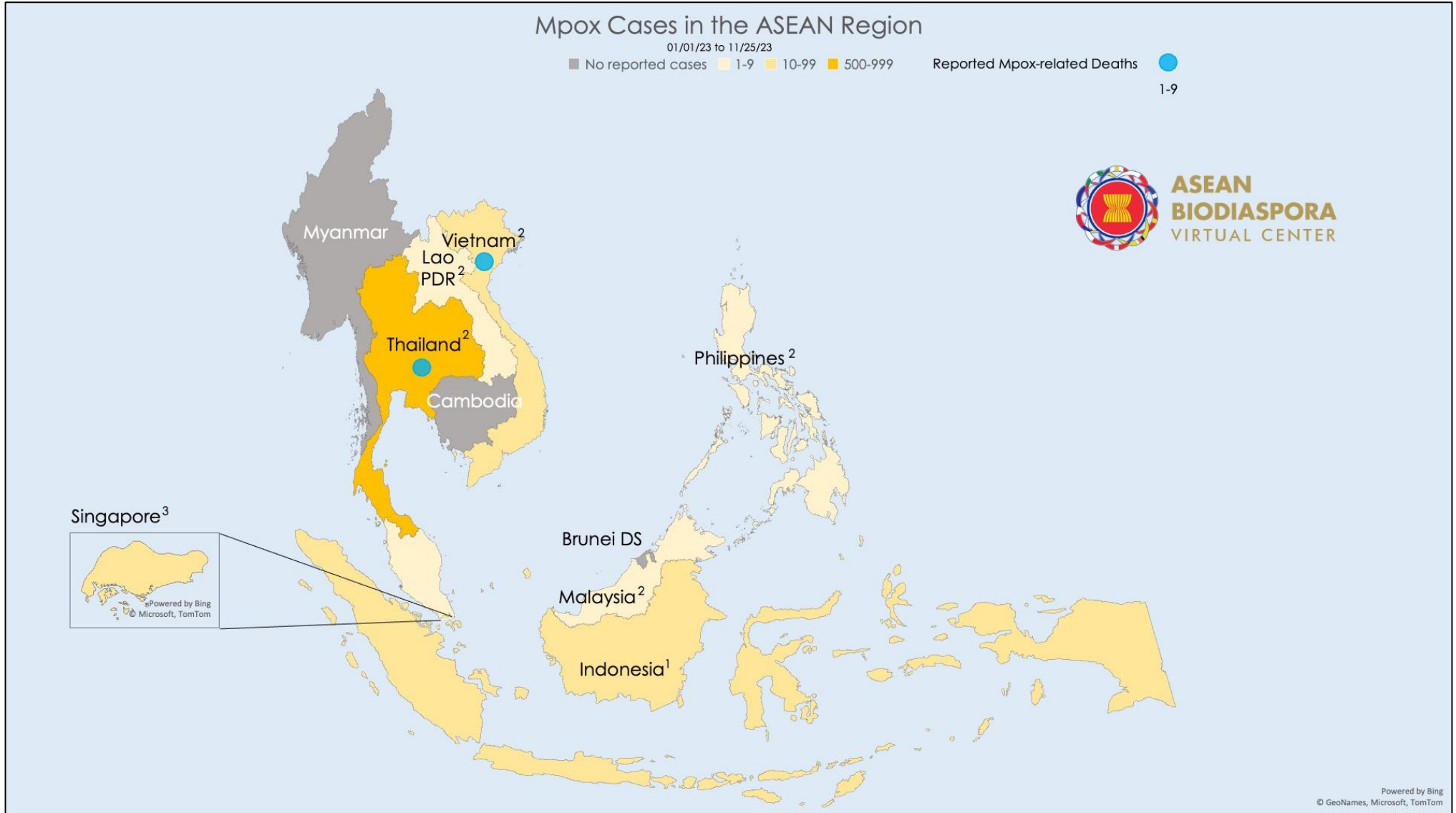


1. World Health Organization, Coronavirus (Covid-19) Data, accessed November 28, 2023 <https://covid19.who.int/data>
 2. Ministry of Health Indonesia, "Vaccine Dashboard, November 28, 2023, <https://vaksin.kemkes.go.id/#/vaccines>
 3. Ministry of Health Malaysia, Covid-19 vaccination, accessed November 28, 2023, <https://data.moh.gov.my/covid-vaccination>
 4. Ministry of Public Health Thailand, Covid-19 Vaccination Infographic, accessed November 28, 2023, <https://dashboard-vaccine.moph.go.th/>



Mpox Cases Reported in the ASEAN Region

January 1 – November 25, 2023



World Health Organization. "2022-23 Mpox (Monkeypox Outbreak Global Trends," accessed November 25, 2023, https://worldhealthorg.shinyapps.io/mpx_global/.



Mpox: Highlights and Situation Overview

- From 01 January to 25 November 2023, there were **7,900** confirmed cases worldwide in 2023, including **94** deaths. Globally, the CFR was **1.19%**.
- **736 confirmed cases** including **two deaths** in the **ASEAN** region in 2023, with a CFR of **0.27%**.
- **7,164 confirmed cases** of mpox have been reported in **other regions** in 2023 (other than the **ASEAN** region):

Mpox cases in the ASEAN region (Jan. 1 to Nov. 25, 2023)

ASEAN Member States	Cumulative Cases 2023	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
Indonesia ¹	59	2	-	0.00%
Lao PDR ²	1	-	-	0.00%
Malaysia ²	4	-	-	0.00%
Philippines ²	1	-	-	0.00%
Singapore ³	28	2	-	0.00%
Thailand ²	565	-	1	0.18%
Vietnam ⁴	78	-	1	1.28%
ASEAN Total	736	4	2	0.27%

1. Ministry of Health, Republic of Indonesia
2. EBS Bluedot (Accessed on November 28, 2023)
3. Ministry of Health Singapore, accessed November 28, 2023, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>
4. 2022-23 Mpox Outbreak: Global Trends. Geneva: World Health Organization, 2023. Available online: https://worldhealthorg.shinyapps.io/mpx_global/ (last cited: November 27, 2023).

Top 5 countries with the most mpox cases globally (Jan. 1 to Nov. 25, 2023)

Country	Cumulative Cases 2023	New Cases Since Previous Report	Cumulative Deaths 2023	CFR
People's Republic of China ¹	1,608	0	0	0.00%
United States of America ²	1,289	0	35	3.25%
Democratic Republic of Congo ²	610	0	2	0.33%
Thailand ²	565	0	1	0.18%
Brazil	448	0	2	0.44%

1. 2022-23 Mpox Outbreak: Global Trends. Geneva: World Health Organization, 2023. Available online: https://worldhealthorg.shinyapps.io/mpx_global/ (last cited: November 27, 2023).
2. 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

REGIONS	CUMULATIVE CASES 2023	NEW CASES SINCE THE PREVIOUS REPORT	CUMULATIVE DEATHS 2023	CFR
AFRICA*	765	0	7	0.92%
AMERICAS*	3,378	0	82	2.43%
ASEAN	736	4	2	0.27%
ASIA & OCEANIA*	2,331	0	1	0.04%
EUROPE*	690	0	2	0.27%
TOTAL	7,900	4	94	1.19%

*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]



Event Updates for Emerging Diseases

Epidemiological Week 47 | November 19-25, 2023

Global Updates for Emerging Diseases

Mpox

- **USA:** Mpox has spread within Idaho, with seven cases reported this month. Six cases were reported in Ada County, and a man in Canyon County also has mpox (Pfannenstiel, 2023). Symptoms include a rash, fever, chills, and muscle aches. People who suspect they might have mpox should visit a healthcare provider, get tested upon recommendation and avoid close contact with people, the Centers for Disease Control and Prevention says. [\[Full article\]](#)

Regional Updates for Emerging Diseases

Mpox

- **Indonesia:** The Indonesian Ministry of Health has reported 51 confirmed mpox cases in five provinces: Jakarta, West Java, Banten, Riau Islands, and East Java (Antara, 2023). The highest number of cases was 38 in Jakarta, with 23 patients recovering. West Java had six cases and two recoveries, while Banten had five cases. Riau Islands and East Java had one case each, and the patients are currently in the recovery process. Currently, mpox vaccinations are only available in Jakarta due to limited vaccine supplies. The Ministry of Health has readied 4,500 doses of the mpox vaccine and 1,008 bottles of the antiviral drug Tecovirimat for treatment. [\[Full article\]](#)

Zoonosis

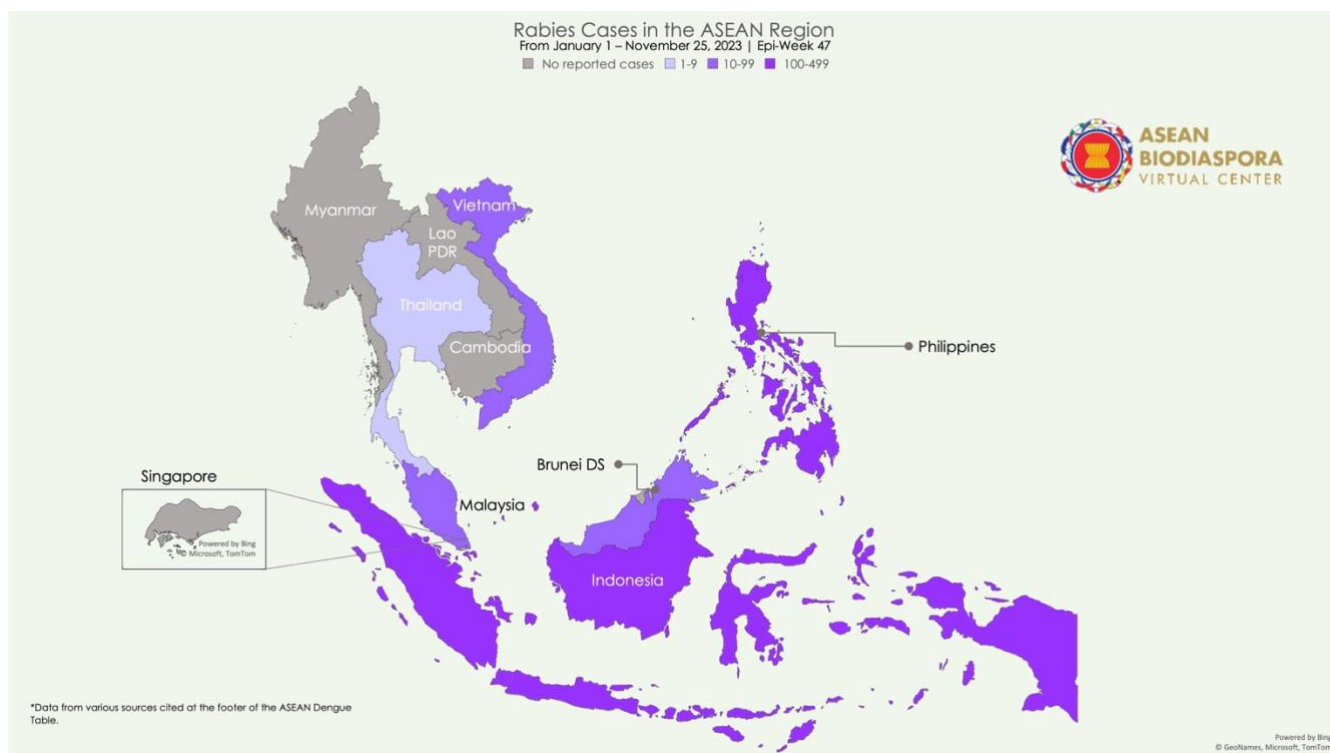


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Rabies Cases in the ASEAN Region

From January 1 to November 25, 2023 (Epi-Week 47)



Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Reported Rabies Cases	Laboratory-Confirmed Rabies Cases	Rabies-Related Deaths
Brunei Darussalam	-	-	-	-
Cambodia	-	-	-	-
Indonesia ¹	Week 47	320	21	55
Lao PDR	-	-	-	-
Malaysia ¹	Week 38	21	9	19
Myanmar	-	-	-	-
Philippines ²	Week 43	327	327	327
Singapore	-	-	-	-
Thailand ³	Week 46	5	5	5
Vietnam ¹	Week 40	64	34	64
Total		737	396	470

1. BlueDot Developer Portal, accessed November 28, 2023, <https://developer-portal.bluedot.global/>.
 2. Department of Health Website, accessed November 28, 2023 "Statistics", <https://doh.gov.ph/statistics>.
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed November 28, 2023, <http://doe.moph.go.th/surdata/index.php>

- The **ASEAN** region reported **737** rabies cases, **396** confirmed rabies cases, and **470** rabies-related deaths.



Event Updates for Zoonosis Diseases

Epidemiological Week 47 | November 19-25, 2023

Regional Updates for Zoonosis Diseases

Rabies

- **Indonesia:** Rabies cases on Timor Island, East Nusa Tenggara, have reached 12, with 12 deaths as of November 22, 2023 (Metrotvnews.com, 2023). The disease has spread to 245 villages and 32 sub-districts in the district, with 202 cases recorded in North Timor Tengah District. The disease first appeared in Fenun Village in May 2023 and spread quickly to North Timor Tengah District. Pet dogs in settlements are vulnerable to contracting the virus, and vaccinations are still being conducted. The last death victim was a man from Seo village, Noemuti sub-district. [\[Full article\]](#)

A rabies outbreak in North Timor Tengah District has resulted in two deaths and 202 bites among residents (Detik.com, 2023). The first victim was from West Miomato District, who died on November 7, 2023. The government is implementing vaccinations and public outreach to prevent further spread and victims. The 202 bite cases were spread across 15 health centers and 12 sub-districts, with 700 people receiving the vaccine. The health service received 700 vials of vaccine and 25 vials of anti-rabies vaccine. [\[Full article\]](#)

- **Philippines:** Iloilo province is facing a high number of rabies cases, with two probable cases confirmed (Lena, 2023). The investigation continues for a seven-year-old boy from Carles, while the Provincial Epidemiology and Surveillance Unit is investigating another case in Mina (Villanueva, 2023). The provincial government is strengthening its anti-rabies campaign, with budgets allocated for both human and dog vaccines. As of November 14, around 75.77% of the 302,302 dog population was vaccinated. The province aims to declare itself rabies-free by 2026. The provincial government has allocated PHP 8 million for rabies vaccines over the past two years. [\[Full article\]](#)

Vector-Borne Diseases

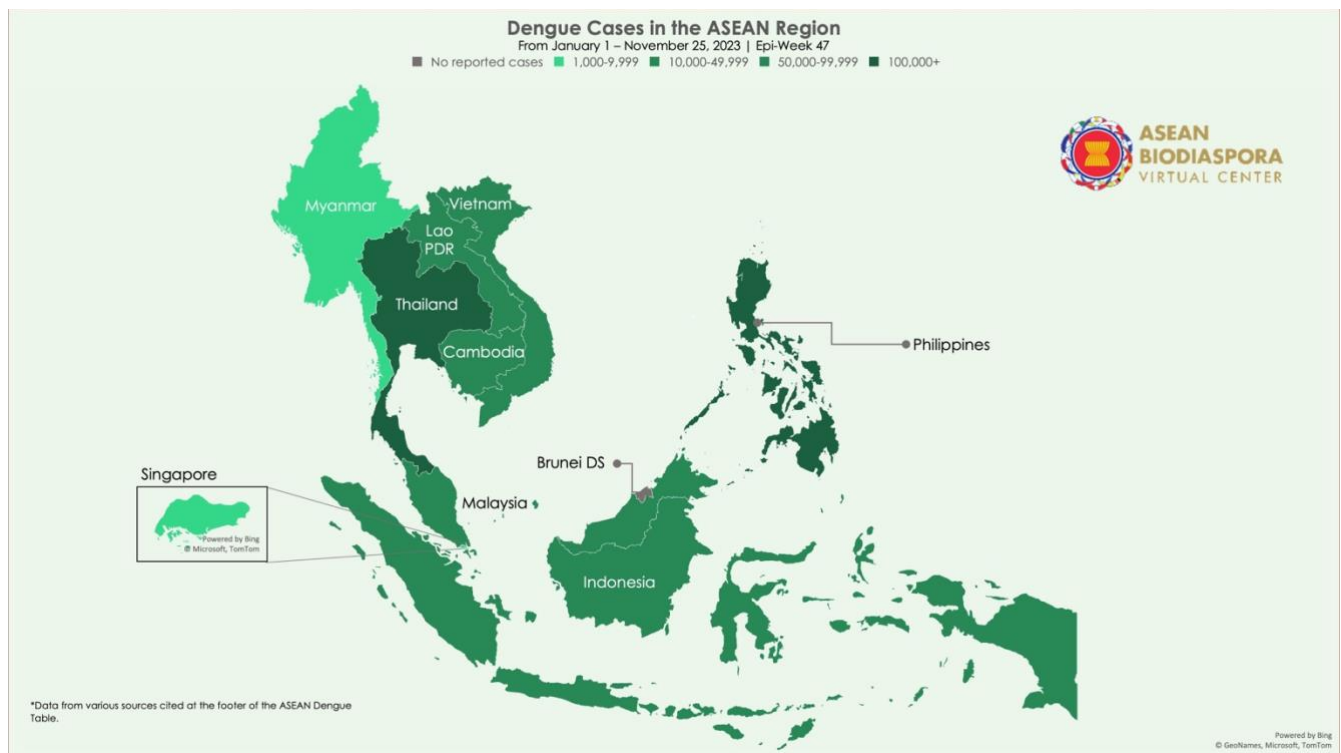


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Dengue Cases in the ASEAN Region

From January 1 to November 25, 2023 (Epi-Week 47)



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 42	26,912	974	39	0	0.14%
Indonesia²	Week 46	78,209	1,760	574	3	0.73%
Lao PDR¹	Week 45	30,292	2,247	19	0	0.06%
Malaysia³	Week 47	108,108	2,703	80	7	0.07%
Myanmar⁴	Week 28	6,685	0	30	0	0.45%
Philippines⁵	Week 43	167,355	4,956	575	11	0.34%
Singapore⁶	Week 47	8,831	129	0	0	0.00%
Thailand⁷	Week 46	136,655	4,523	255	113	0.19%
Vietnam¹	Week 44	135,879	7,972	35	2	0.03%
Total		698,926	25,264	1,607	136	0.23%

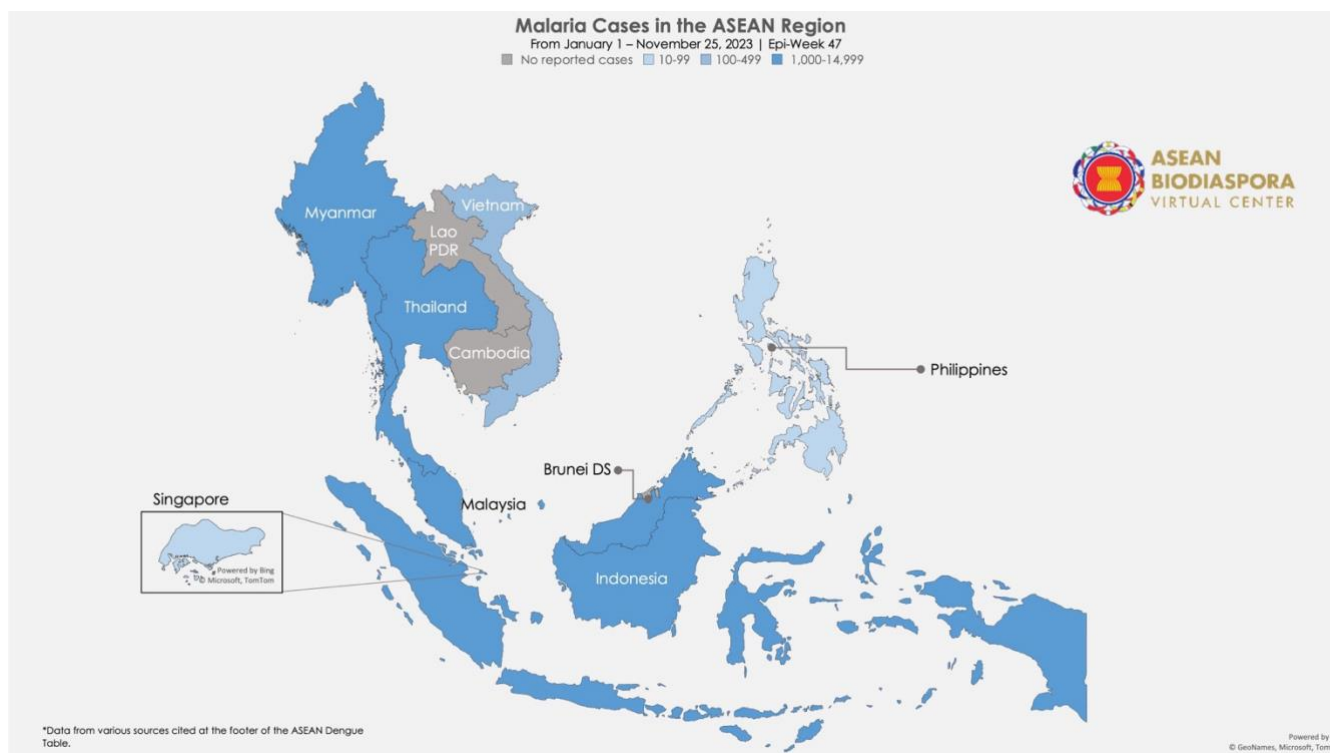
1. WHO WPRO, "Dengue," World Health Organization, accessed November 28, 2023, <https://www.who.int/westernpacific/emergencies/surveillance/dengue>.
 2. Ministry of Health, Republic of Indonesia
 3. Disease Control Division, Ministry of Health Malaysia, accessed November 28, 2023. iDengue, <https://idengue.mysa.gov.my/did/>
 4. BlueDot Developer Portal, accessed November 28, 2023, <https://developer-portal.bluedot.global/>.
 5. Department of Health Website, accessed November 28, 2023 "Statistics," <https://doh.gov.ph/statistics>.
 6. National Environment Agency (NEA), accessed November 28, 2023, Dengue cases, <https://www.nea.gov.sg/dengue-zika/dengue/dengue-cases>.
 7. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed November 28, 2023, <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 **25,264** new dengue cases in Indonesia, Cambodia, Lao PDR, Malaysia, the Philippines, Singapore, Thailand, and Vietnam – 136 Deaths. The region reported **698,926** total cases and **1,607** total deaths in 2023 with **0.23%** CFR.



Malaria Cases in the ASEAN Region

From January 1 to November 25, 2023 (Epi-Week 47)



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 44	1,899	0	0	0.00%
Lao PDR	-	-	-	-	-
Malaysia ¹	Week 45	1,116	0	0	0.00%
Myanmar ¹	Week 23	4,510	0	0	0.00%
Philippines ¹	Week 28	31	0	0	0.00%
Singapore ²	Week 46	20	0	0	0.00%
Thailand ³	Week 46	4,767	124	4	0.08%
Vietnam ¹	Week 42	349	0	0	0.00%
Total		12,692	124	4	0.03%

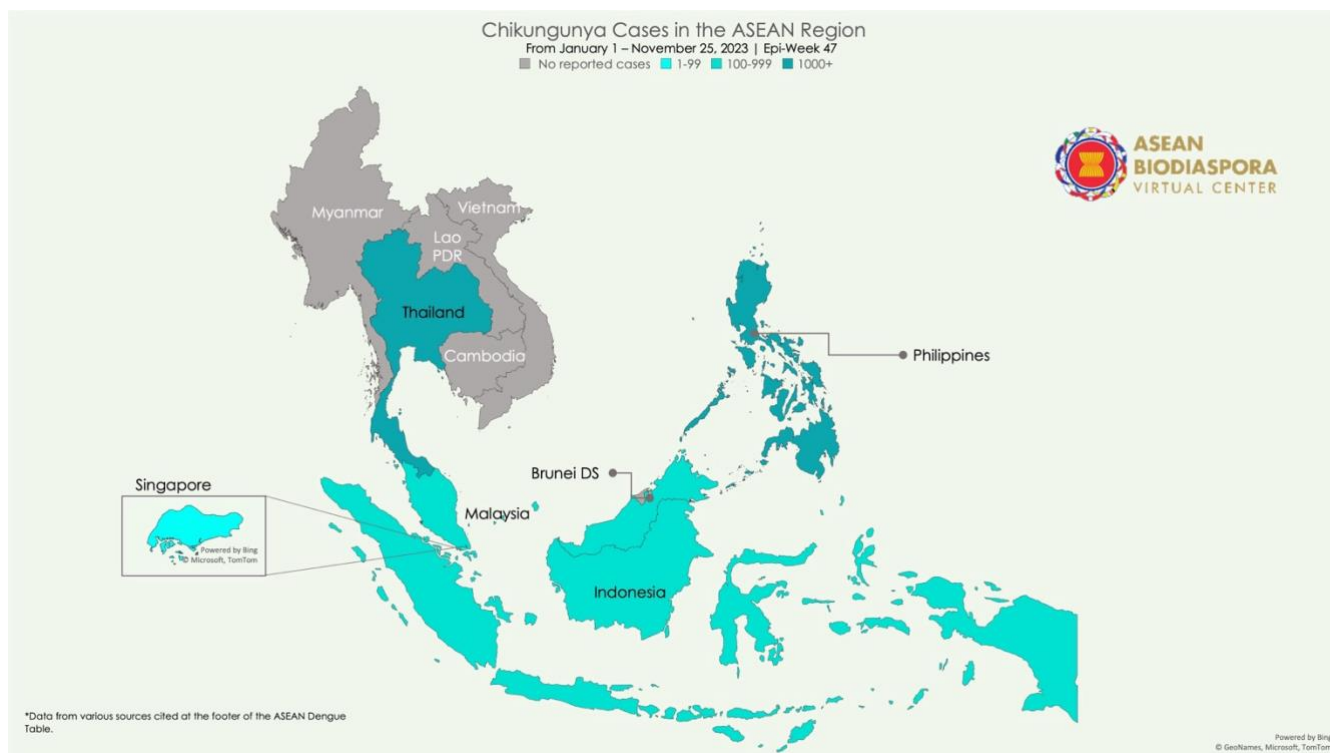
1. BlueDot Developer Portal, accessed November 13, 2023, <https://developer-portal.bluedot.global/>.
 2. Ministry of Health Singapore, accessed November 13, 2023, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>.
 3. Bureau of Epidemiology,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

- The **ASEAN** region reported **124** new malaria cases in Thailand since the previous report. The region reported **12,692** total cases and **four** total deaths in 2023 with **0.03%** CFR.



Chikungunya Cases in the ASEAN Region

From January 1 to November 25, 2023 (Epi-Week 47)



Chikungunya 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	-	-	-	-	-	-
Indonesia ¹	Week 47	462	-	0	-	0.00%
Lao PDR	-	-	-	-	-	-
Malaysia ²	Week 44	185	-	0	-	0.00%
Myanmar	-	-	-	-	-	-
Philippines ³	Week 43	2,691	-	0	-	0.00%
Singapore ⁴	Week 46	13	2	0	-	0.00%
Thailand ⁵	Week 46	1,233	59	0	-	0.00%
Vietnam	-	-	-	-	-	-
Total		4,584	61	0		0.00%

1. BlueDot Developer Portal, accessed November 28, 2023, <https://developer-portal.bluedot.global/>
2. Portal Rasmi, Ministry of Health Malaysia, accessed November 28, 2023, https://www.moh.gov.my/index.php/database_stores/store_view/17
3. Department of Health Website, accessed November 28, 2023 "Statistics," <https://doh.gov.ph/statistics>.
4. Ministry of Health Singapore, accessed November 28, 2023, <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 November 28, 2023, <http://doe.moph.go.th/surdata/index.php>

- The **ASEAN** region reported **61** new chikungunya cases in Singapore and Thailand. The region reported **4,584** total cases and **NO** deaths in 2023 with **0.00%** CFR.



Event Updates for Vector-borne Diseases

Epidemiological Week 47 | November 19-25, 2023

Global Updates for Vector-borne Diseases

Dengue

- Bangladesh** has recorded 645 dengue cases, raising the tally to 306,437 this year (BdNews24.com, 2023). The death toll from the mosquito-borne virus increased by six to 1,583. Dhaka saw four new deaths and 154 new patients. Experts attributes the increase of dengue cases to a prolonged monsoon, rising temperatures, and a lack of effective measures to kill the *Aedes aegypti* mosquito during the outbreak. [\[Full article\]](#)
- France:** A case of local dengue transmission in Paris has been identified for the first time, primarily in the south of France (Miranda, 2023). The patient had not made international trips in 15 days prior to the onset of symptoms. The World Health Organization (WHO) has been warning about the risks of arboviruses spreading to traditionally cold regions due to climate change. The mosquito, *Aedes albopictus*, is responsible for dengue transmission in Europe and can transmit other arboviruses. Parisians have adopted new strategies against dengue, including fumigation and insecticide treatment. The French public health agency recorded 1,414 cases of dengue between May 1 and October 27, 2023, with most cases occurring outside the country. Local infections in France have been concentrated in the south, with over 30 indigenous cases confirmed in 2023. [\[Full article\]](#)
- India:** The district has reported 1,154 cases of dengue, with 79 active cases on November 24 (Tribune, 2023). 18 people have died of the disease. To prevent further spread, people are advised to wear full-sleeve shirts, cover their legs and feet, use mosquito repellents and nets, and avoid waterlogging around their homes, especially on rooftops. It is crucial to prevent waterlogging and ensure safety. [\[Full article\]](#)
- Italy:** As of November 20, 2023, Italy has confirmed 81 cases of locally transmitted dengue, with four unconnected cases in Lodi, Latina, and Rome (Fundación, 2023). All known cases have recovered or are improving. Since the start of the year, 246 cases of dengue imported from other countries have been reported, including one death. Indigenous transmission of the virus is evolving, although with a limited number of cases. [\[Full article\]](#)
- Sri Lanka:** The dengue outbreak in Punjab has reached 13,366 confirmed cases across 36 districts this year, with Lahore leading with 6,000 cases (Fernandopulle, 2023). The situation continues with 74 new cases reported in Lahore, Rawalpindi, Gujranwala, Multan, and Faisalabad. 134 patients are currently undergoing treatment in hospitals across Punjab, with 88 in Lahore district hospitals. The Secretary of Health Punjab, Ali Jaan Khan, urges citizens to maintain clean and dry surroundings and cooperate with health department teams. [\[Full article\]](#)

Malaria

- India.** The district health department has launched an anti-larva drive and issued an advisory to prevent vector-borne diseases due to frequent weather fluctuations (Reporter, 2023). The department has reported 434 dengue cases, 10 malaria cases, and 13 chikungunya cases in 2023. The district has launched an anti-larvae drive to eliminate larvae from homes and premises. [\[Full article\]](#)

Zika



- **India:** Pune is experiencing a surge in Zika virus cases, with six new cases reported in the third week of November (Kumari, 2023). The Pune Municipal Corporation is intensifying surveillance and vector control measures to contain the spread of the virus. The first case was reported on November 16, 2023, involving a 64-year-old woman. [\[Full article\]](#)

Regional Updates for Vector-borne Diseases

Chikungunya

- The **Philippines** has seen a 384% increase in chikungunya cases over the past 10 months, with 2,691 reported from January 1 to October 28 (Villanueva, 2023). The Cordillera Administrative Region saw the highest increase, followed by Ilocos, Cagayan Valley, and Mimaropa. The virus, which causes fever and joint pain, is rare, but severe cases and deaths are rare. [\[Full article\]](#)

Dengue

- **Malaysia:** Penang has recorded nine dengue deaths between January 1 and November 20 this year, with 6,720 cases until the 47th epidemiology week of 2023 (Dermawan, 2023). The state government has mobilized the Dengue Special Task Force Committee to strengthen cooperation between agencies. The number of gotong royong programs increased by almost five-fold, with 563 events this year compared to 117 last year. Enforcement actions have been taken according to law provisions. [\[Full article\]](#)
- **Vietnam:** Dengue fever, caused by four dengue virus types, has reached 33,489 cases in Hanoi, with four deaths so far (VietNamNet, 2023). The virus is prevalent in all 30 districts and towns, with the only vaccine available globally not recommended for those who haven't had the disease. Vietnam is working to find an effective solution. [\[Full article\]](#)

Vaccine- Preventable Diseases

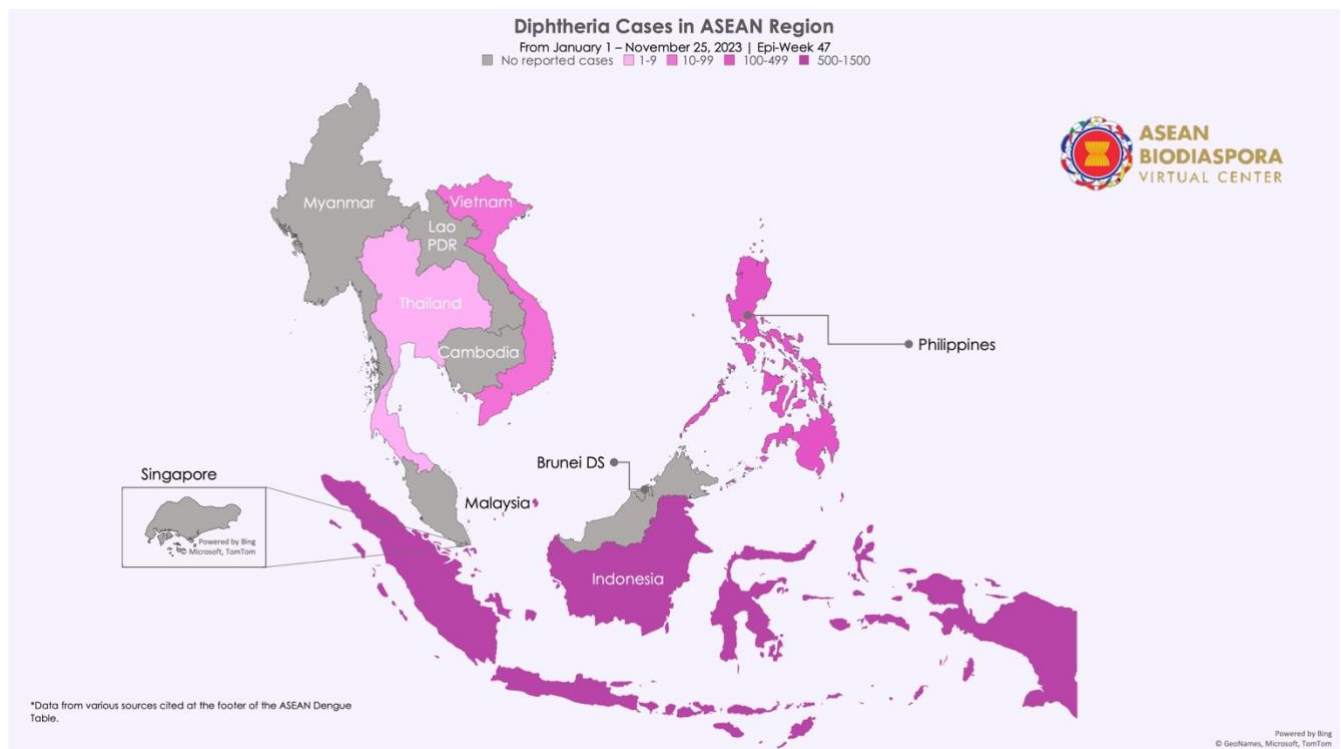


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Diphtheria Cases in the ASEAN Region

From January 1 to November 25, 2023 (Epi-Week 47)



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 46	1,141	126	45	3.94%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 43	162	5	38	23.46%
Singapore ³	Week 46	0	0	0	0.00%
Thailand ⁴	Week 46	5	0	0	0.00%
Vietnam ⁵	Week 38	41	0	3	7.32%
Total		1,349	131	86	6.38%

1. Ministry of Health, Republic of Indonesia
2. Department of Health Website, accessed November 28, 2023, "Statistics", <https://doh.gov.ph/statistics>
3. Ministry of Health Singapore, accessed November 28, 2023, <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 November 28, 2023, <http://doe.moph.go.th/surdata/index.php>
5. BlueDot Developer Portal, accessed November 28, 2023, <https://developer-portal.bluedot.global/>

- The **ASEAN** region reported **131** new diphtheria cases since the previous report. The region reported **1,349** total cases and **86** total deaths in 2023 with **6.38%** CFR.



Measles Cases in the ASEAN Region

From January 1 to November 25, 2023 (Epi-Week 47)



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 46	8,802	626	17	0.19%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 43	2,024	195	6	0.30%
Singapore ³	Week 46	6	0	0	0.00%
Thailand ⁴	Week 46	312	11	0	0.00%
Vietnam	-	-	-	-	-
Total		11,144	832	23	0.21%

1. Ministry of Health, Republic of Indonesia
 2. Department of Health Website, accessed November 28, 2023 "Statistics", <https://doh.gov.ph/statistics>
 3. Ministry of Health Singapore, accessed November 28, 2023, <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 November 28, 2023, <http://doe.moph.go.th/surdata/index.php>

- The **ASEAN** region reported **832** new measles cases in Indonesia, the Philippines, and Thailand since the previous report. The region reported **11,144** total cases and **23** total deaths in 2023 with **0.21%** CFR.



Event Updates for Vaccine-Preventable Diseases

Epidemiological Week 47 | November 19-25, 2023

Global Updates for Vaccine-Preventable Diseases

Measles

- **Russia:** The Saratov region continues to experience measles spread, with 149 confirmed cases registered, mainly children (Aksyanova, 2023). Since October, 117 cases have been registered, with most Roma. During the week, 14,437 fell ill, with 36.5% of the threshold exceeded. Four kindergarten groups and 32 schools have closed. The minister clarified that an acute respiratory viral infections (ARVI) epidemic is not currently possible, and there is no plan to introduce a ban on visiting patients. [\[Full article\]](#)

Pertussis

- **USA:** Montgomery County has seen a significant increase in whooping cough cases since August, with 89 cases reported since August 1 (Lima, 2023). The cases, affect children aged one week to 81 years. The outbreak is slightly higher than pre-pandemic cases, with 100 cases reported in 2019 and 86 in 2018. Warren County Health District has also reported an increase in pertussis cases, with 15 cases in 2023, including 14 in the last month. [\[Full article\]](#)

Regional Updates for Vaccine-Preventable Diseases

Pertussis

- **Thailand:** The Thai Ministry of Public Health (MOPH) has raised concerns over a rise in pertussis cases, particularly in the southern border provinces of Pattani and Narathiwat (BNN, 2023). The disease has already claimed the life of an 18-day-old newborn, raising concerns about a potential resurgence. The disease is not yet classified as an outbreak, but if a large group of patients is discovered, a disease investigation will be initiated. Thailand has confirmed 93 cases of pertussis from January 1 to November 22, 2023, with one death. [\[Full article\]](#)



Event Updates for Other Infectious Diseases

Epidemiological Week 47 | November 19-25, 2023

Global Updates for Other Infectious Diseases

Tuberculosis

- **India:** According to the WHO's 2023 tuberculosis (TB) Report, India remains the worst TB-affected country in the world with 27% of total TB cases in the world (Tahir, 2023). The National Institute of TB and Respiratory Diseases in Mehrauli, an autonomous institute under the Union Ministry of Health and Family Welfare, is one of the best hospitals for the disease. The hospital offers basic facilities, including sanitation, and has started robotic surgery for TB patients. The hospital also provides three meals to patients at a registration fee of Rs 10 per patient. The hospital has started a cleanliness initiative and runs an awareness programme in slum areas. Patients are satisfied with the treatment, but the lack of administrative initiatives and lack of administrative initiatives poses challenges in eliminating TB. [\[Full article\]](#)

Filariasis

- **India:** Filarial hydrocele (scrotal swelling resulting from a parasitic infection) is a widespread disease in tropical and subtropical regions, primarily affecting men (TimesNow, 2023). It can cause infertility, lymphedema, and fluid retention. Around 120 million people worldwide, or 1.5% of the world's population, have a filariasis infection. Dr. Bhupendra Tripathi, Deputy Director of Infectious Diseases and Vaccine Delivery at the Bill and Melinda Gates Foundation emphasizes the need to educate men about the disease's prevalence and effects. The disease is caused by filarial parasites *Wuchereria bancrofti*, *Brugia malayi*, and *Brugia timori*. Raising awareness about filarial hydrocele is crucial for fostering informed healthcare practices, dismantling stigma, and encouraging early intervention. Global elimination of lymphatic filariasis is now considered possible due to advances in single-dose therapies. [\[Full article\]](#)

Regional Updates for Other Infectious Diseases

Tuberculosis

- **Vietnam** demonstrated its commitment to tuberculosis prevention at the Union World Conference on Lung Health 2023 in Paris (Vna, 2023). The country's achievements in new treatment regimens, diagnostics quality, and screening were highlighted, along with its post-pandemic response and recovery. Vietnam is currently ranked 11th among 30 countries with the highest burden of TB and multidrug-resistant TB. In 2022, the country detected 103,120 TB patients, up nearly 31% year-on-year and 1.8% compared to 2020. A 50% effective vaccine could save 8.5 million lives and reduce antibiotic treatment costs for TB-affected households. [\[Full article\]](#)



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