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Morbidity and Mortality Weekly Report in the ASEAN Region

— Infectious Diseases

November 21, 2023 | MMWR 2023-46
Epidemiological Week 46



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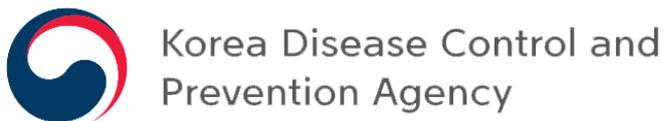


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Weekly Issue





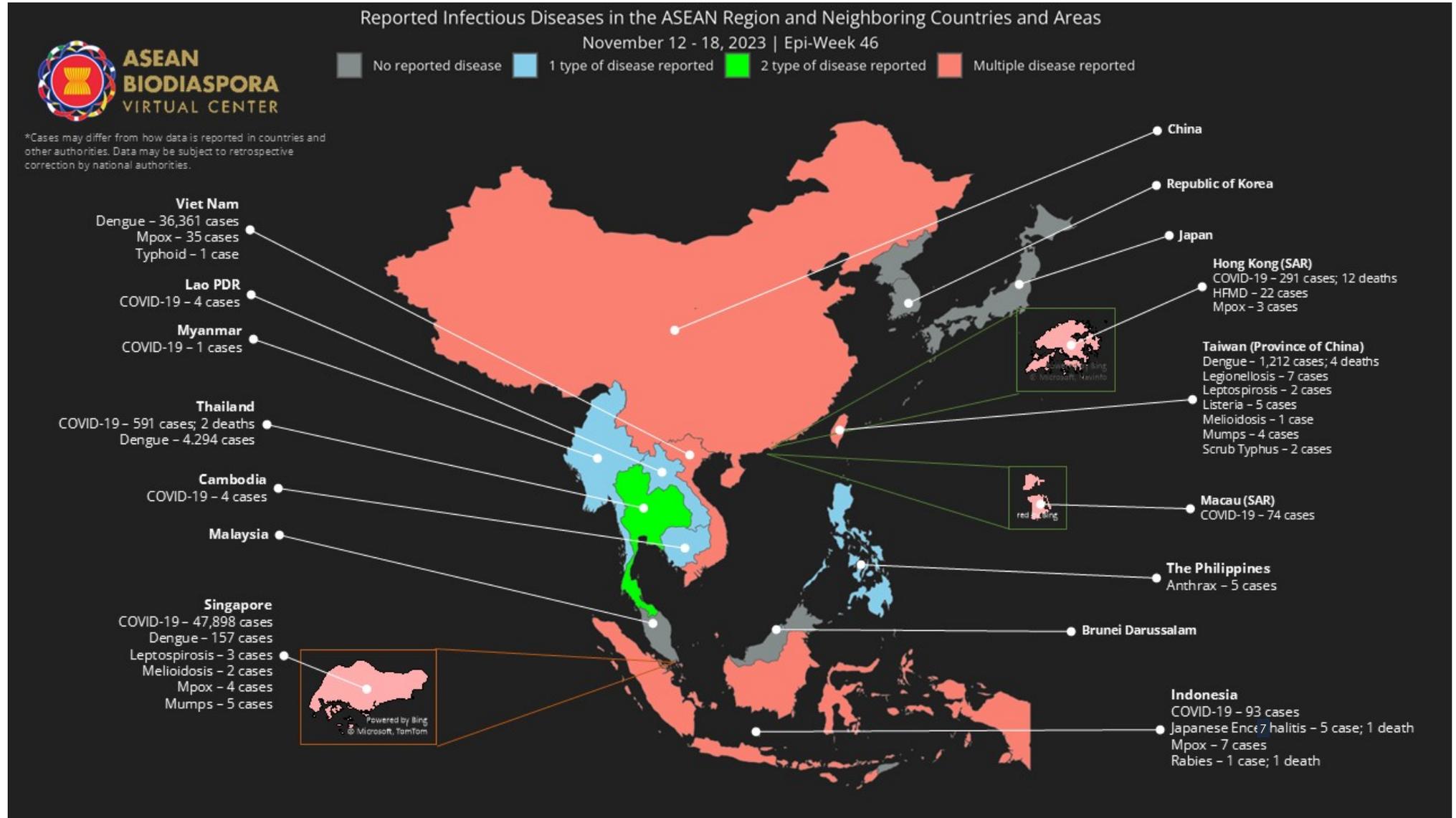
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Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 46 | November 12-18, 2023



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>.



Reported Infectious Diseases

Epidemiological Week 46 | November 12-18, 2023

Infectious Disease Global Updates

Dengue

- **Bangladesh:** Six dengue-related deaths were reported in the country, adding the total fatalities to 1,549 this year (Dhaka Tribune, 2023). More than 1,200 patients were hospitalized, and 4,949 patients are undergoing treatment. The last two months were the deadliest for the disease. [[Full article](#)]
- **India:** The Health Department reported 54,368 dengue cases, with 11,028 confirmed and seven deaths (The Tribune, 2023). The dengue wave is expected to continue for a few weeks, with over 100 new cases reported daily. Hoshiarpur has the highest number of cases, followed by Sahibzada Ajit Singh (SAS) Nagar, Ludhiana, Patiala, Kapurthala, Bathinda, and Amritsar. [[Full article](#)]
- **The Turks and Caicos Islands (The UK)** have implemented an intensive fogging plan to combat the increasing number of dengue fever cases (LaSur, 2023). The first dengue case was confirmed on October 17, 2023, and testing has increased due to increased public and healthcare provider awareness. The TCI has confirmed 13 cases and 74 probable cases, with eight of the confirmed cases being DENV-3 (LaSur, 2023). The Ministry of Health and Human Services has ramped up vector control activities, including treating swamps, large bodies of standing water, and fogging. Additional Vector Control Officers have been granted through collaboration with the Deputy Governor. [[Full article](#)]

Measles

- **Armenia:** The measles cases increased by 494 confirmed cases for this week (Armen Press, 2023). From these numbers, four of them were hospitalized, 319 have recovered. Of all the infected cases, 349 (70.6%) were children and 145 (29.4%) were adults. [[Full article](#)]
- **Russia:** Measles is spreading rapidly in the Saratov region, with 112 cases recorded since January 2023, 82 among children and 30 among adults (Nversia, 2023). Deputy Minister of Health Denis Graifer stated that those wishing to be immunized need two-dose vaccinations. Balakovo faced 24 cases of measles infection, prompting a proposal for a mask regime in crowded places. Mask mode is recommended in medical institutions and retail facilities with large numbers of people (Nversia, 2023). [[Full article](#)]

Malaria

- **Colombia:** The National Institute of Health reports 3,953 malaria cases in Risaralda in 2023, primarily in the municipality of Pueblo Rico (Rodríguez, 2023). The region's geographical location and illegal mining practices contribute to the spread of the disease (Rodríguez, 2023). To combat this, health authorities and national entities have initiated training sessions for the indigenous community on rapid testing and proper medication distribution. The goal is to reduce malaria cases through early detection and appropriate medical treatment. [[Full article](#)]

Vector-Borne Diseases

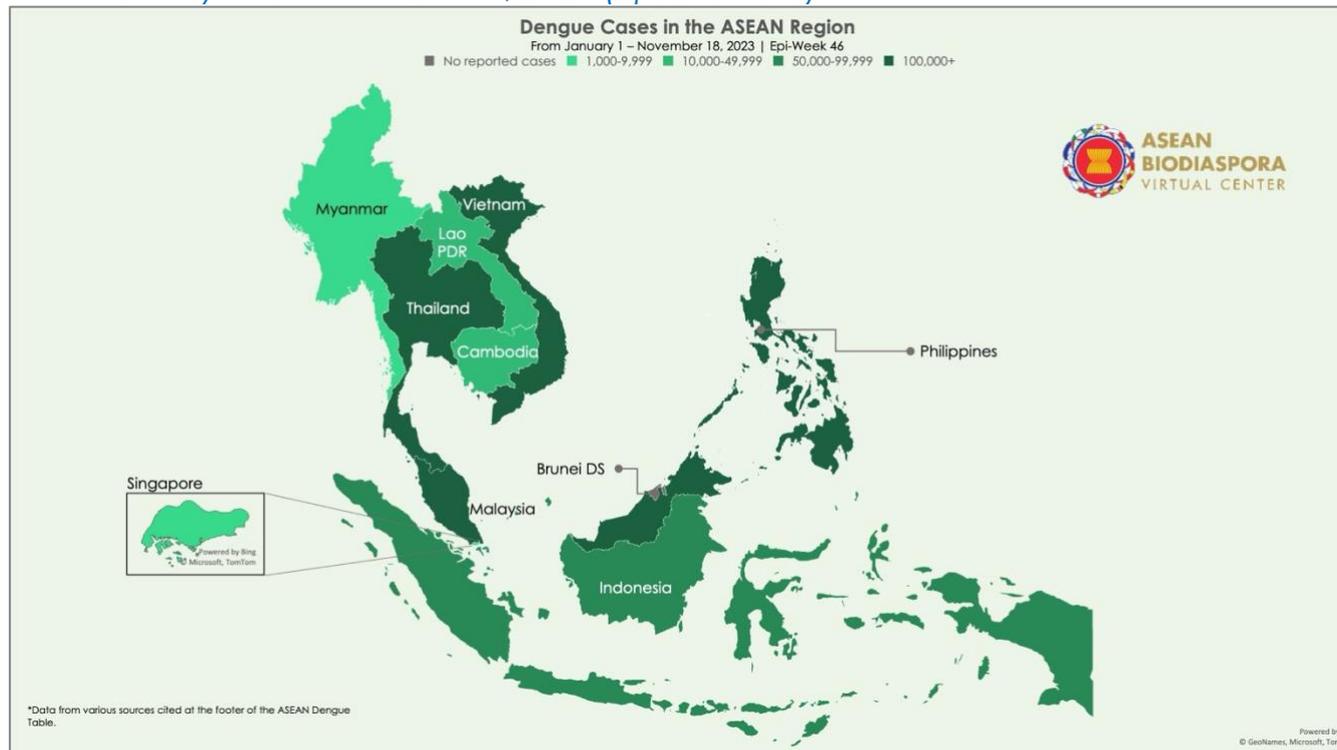


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Dengue Cases in the ASEAN Region

From January 1 to November 18, 2023 (Epi-Week 46)



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 41	25,938	1,998	39	0	0.15%
Indonesia²	Week 45	76,449	1,460	571	12	0.75%
Lao PDR¹	Week 43	28,045	1,209	19	1	0.07%
Malaysia³	Week 46	105,405	2,436	73	0	0.07%
Myanmar⁴	Week 28	6,685	0	30	0	0.45%
Philippines⁵	Week 41	155,823	0	543	0	0.35%
Singapore⁶	Week 46	8,702	267	0	0	0.00%
Thailand⁷	Week 45	132,132	4,294	142	1	0.11%
Vietnam¹	Week 43	127,907	13,945	33	2	0.03%
Total		667,086	25,609	1,450	16	0.22%

1. WHO WPRO, "Dengue," World Health Organization, accessed November 20, 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 20, 2023. iDengue, <https://idengue.mysa.gov.my/did/>.
 4. BlueDot Developer Portal, accessed November 20, 2023, <https://developer-portal.bluedot.global/>.
 5. Department of Health Website, accessed November 20, 2023 "Statistics," <https://doh.gov.ph/statistics>.
 6. National Environment Agency (NEA), accessed November 20, 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 20, 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 **25,609** new dengue cases and **16** new deaths in Indonesia, Lao PDR, Thailand, and Vietnam since the previous report. The region reported **667,086** total cases and **1,450** total deaths in 2023 with **0.22%** Case Fatality Rate (CFR).



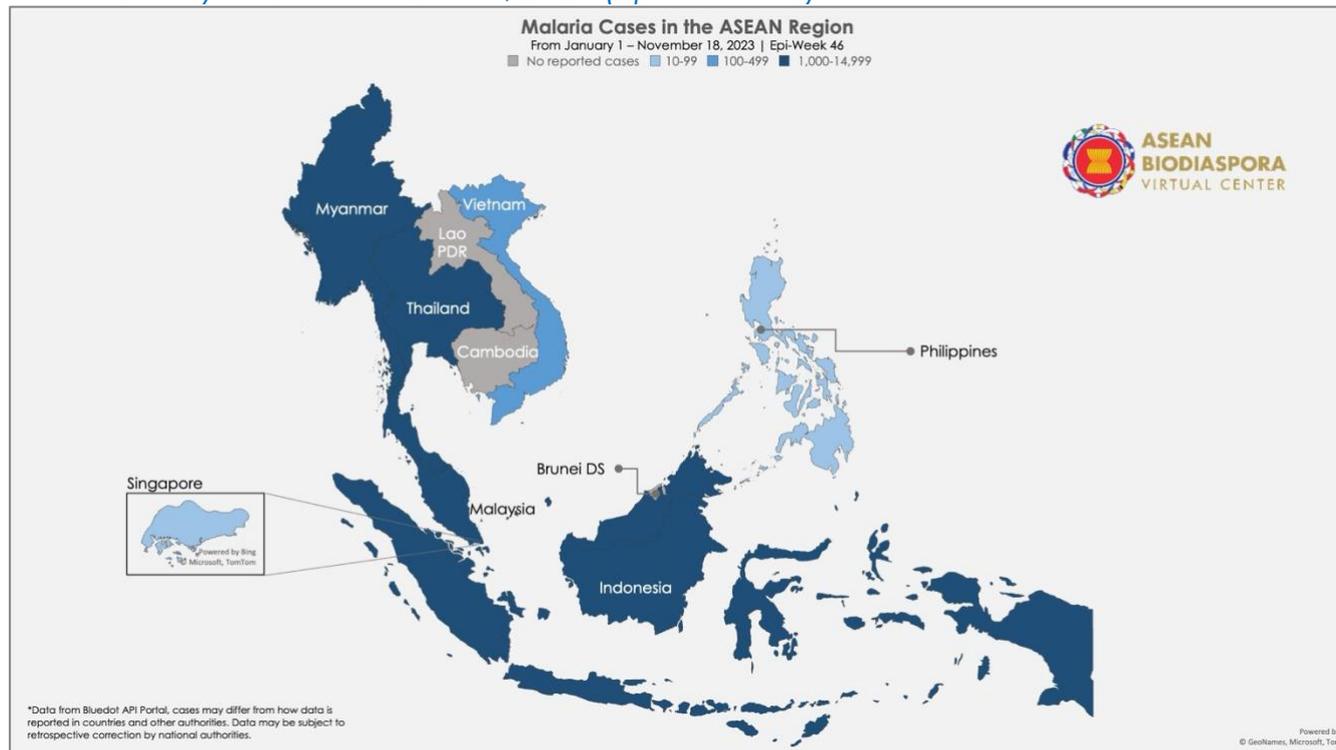
Dengue

- **Philippines:** The Department of Health-Bicol Center for Health Development (CHD) has issued a warning to locals to be cautious of mosquito bites after five people died from dengue in the region (Hallare, 2023). The number of cases recorded this year is 46% lower than in 2022, with only 689 cases recorded from January 1 to September 30, 2023. The region saw five deaths due to dengue, with Camarines Sur having the most cases with 235 (Hallare, 2023). The report also shows four areas in the region were placed under the red category, including Sorsogon City with 98 cases, Virac with 82, Naga City with 54, and Masbate City with 36. [\[Full article\]](#)
- **Thailand:** The Ministry of Public Health has reported a triple increase in dengue cases between January and November, with over 120,000 cases registered (Nation World News Desk, 2023). The Thai Administration urges the public to eliminate mosquito breeding sites, particularly in areas with high *Aedes* larvae rates. Dengue can be infected up to four times due to its four strains, DENV-1, DENV-2, DENV-3, and DENV-4. The disease is now endemic in most Latin American countries but is spreading to new areas due to global warming. Dengue spreads to 130 countries and can cause high fever, body aches, nausea, and skin rashes. There is no specific treatment or known cure for dengue, which has increased eightfold between 2000 and 2022 (Nation World News Desk, 2023). There are two types of vaccines available in Thailand. The first one is for those who have been infected before, and the second one is for those who have not been infected before, with two doses separated by three months. [\[Full article\]](#)
- **Vietnam** has reported 7,000 more dengue fever infections, with Hanoi being the hardest hit (News, 2023). Climate change and El Nino may increase mosquito development, leading to increased disease transmission (News, 2023). The rainy season is fueling the spread of dengue fever. The National Hospital of Tropical Diseases receives four to five cases daily, with high fever patients needing hospital tests, while mild symptoms can be treated at home. [\[Full article\]](#)



Malaria Cases in the ASEAN Region

From January 1 to November 18, 2023 (Epi-Week 46)



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 45	20	0	0	0.00%
Thailand ³	Week 45	4,643	142	4	0.09%
Vietnam ¹	Week 42	349	0	0	0.00%
Total		12,568	142	4	0.03%

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

- The ASEAN region reported **142** new malaria cases in Thailand since the previous report. The region reported **12,568** total cases and **four** total deaths in 2023 with **0.03%** CFR.

Vaccine- Preventable Diseases

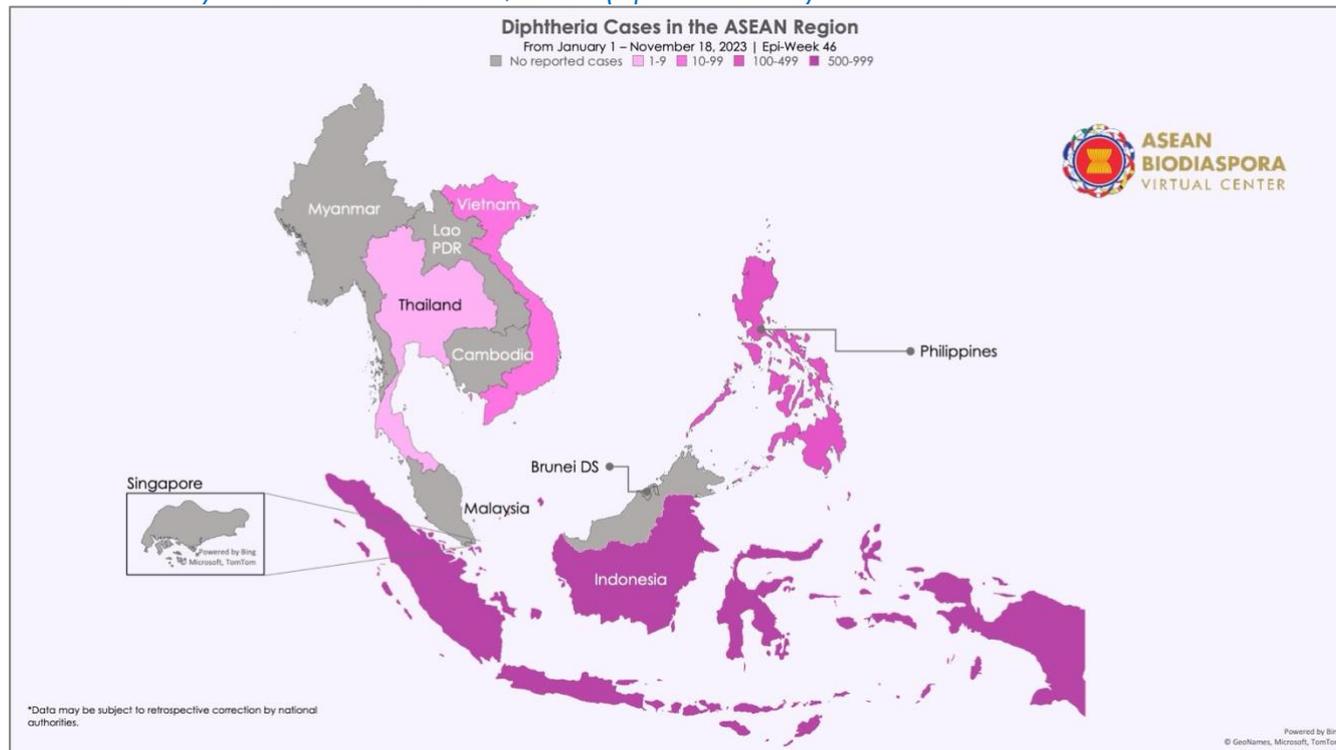


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Diphtheria Cases in the ASEAN Region

From January 1 to November 18, 2023 (Epi-Week 46)



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 45	1,015	123	45	4.43%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 41	157	0	34	21,66%
Singapore ³	Week 45	0	0	0	0.00%
Thailand ⁴	Week 45	6	0	0	0.00%
Vietnam ⁵	Week 38	41	0	3	7.32%
Total		1,219	123	79	6.48%

1. Ministry of Health, Republic of Indonesia.
2. Department of Health Website, accessed November 20, 2023 "Statistics," <https://doh.gov.ph/statistics>.
3. Ministry of Health Singapore, accessed November 20, 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 20, 2023, <http://doe.moph.go.th/surdata/index.php>
5. BlueDot Developer Portal, accessed November 20, 2023, <https://developer-portal.bluedot.global/>

- The ASEAN region reported **123** new diphtheria cases in Indonesia since the previous report. The region reported **1,219** total cases and **79** total deaths in 2023 with **6.48%** CFR.



Measles Cases in the ASEAN Region

From January 1 to November 18, 2023 (Epi-Week 46)



Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Deaths	CFR
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 45	8,176	394	17	0.21%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 41	1,829	0	6	0.33%
Singapore ³	Week 45	6	0	0	0.00%
Thailand ⁴	Week 45	301	9	0	0.00%
Vietnam	-	-	-	-	-
Total		10,312	403	23	0.22%

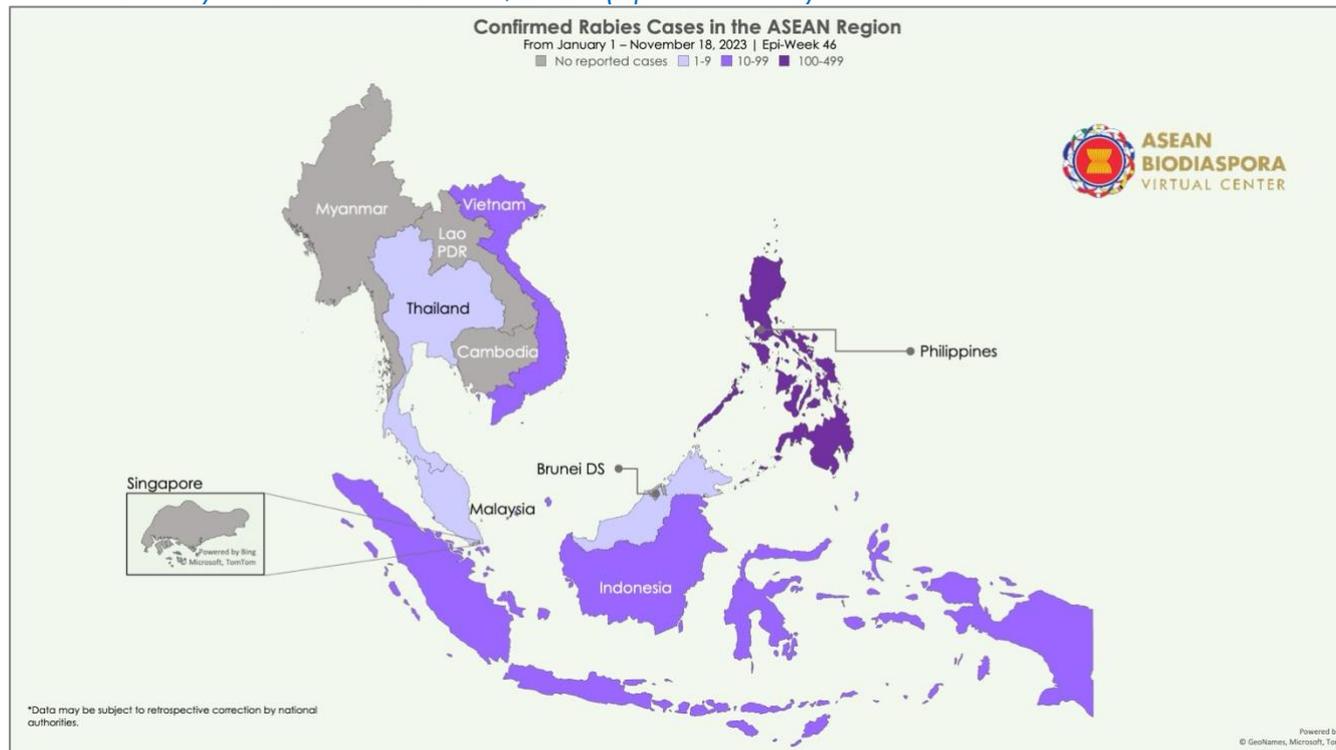
1. Ministry of Health, Republic of Indonesia
 2. Department of Health Website, accessed November 20, 2023 "Statistics," <https://doh.gov.ph/statistics>.
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed November 20, 2023, <http://doe.moph.go.th/surdata/index.php>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

- The ASEAN region reported **403** new measles cases in Indonesia and Thailand since the previous report. The region reported **10,312** total cases and **23** total deaths in 2023 with **0.22%** CFR.



Rabies Cases in the ASEAN Region

From January 1 to November 18, 2023 (Epi-Week 46)



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 46	319	21	52
Lao PDR	-	-	-	-
Malaysia ¹	Week 38	21	9	19
Myanmar	-	-	-	-
Philippines ²	Week 41	312	312	312
Singapore	-	-	-	-
Thailand ³	Week 45	5	5	5
Vietnam ¹	Week 40	64	34	64
Total		721	381	452

1. BlueDot Developer Portal, accessed November 20, 2023, <https://developer-portal.bluedot.global/>.
 2. Department of Health Website, accessed November 20, 2023 "Statistics," <https://doh.gov.ph/statistics>.
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed November 20, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **721** rabies cases, **381** confirmed rabies cases, and **452** rabies-related deaths.



Rabies

- **Indonesia:** In Bali, there have been high cases of animal bites that transmit rabies, with 19,035 cases recorded in 2023, 300 of which were positive for rabies (JPNN Bali, 2023). Four people died due to not receiving or being late in receiving the anti-rabies vaccine injection. The Bali Health Office directs people needing the vaccines to visit the office due to low vaccine stocks in health facilities (JPNN Bali, 2023). To ensure proper vaccine's recipients, people must monitor their dogs for three to seven days and seek the vaccine at the nearest health facility. The party has submitted additional stock to the Ministry of Health and expects the vaccine's supply to be sent to Bali by the end of November. [\[Full article\]](#)



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