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Morbidity and Mortality Weekly Report in the ASEAN Region

— Infectious Diseases

October 31, 2023 | MMWR 2023-43
Epidemiological Week 43



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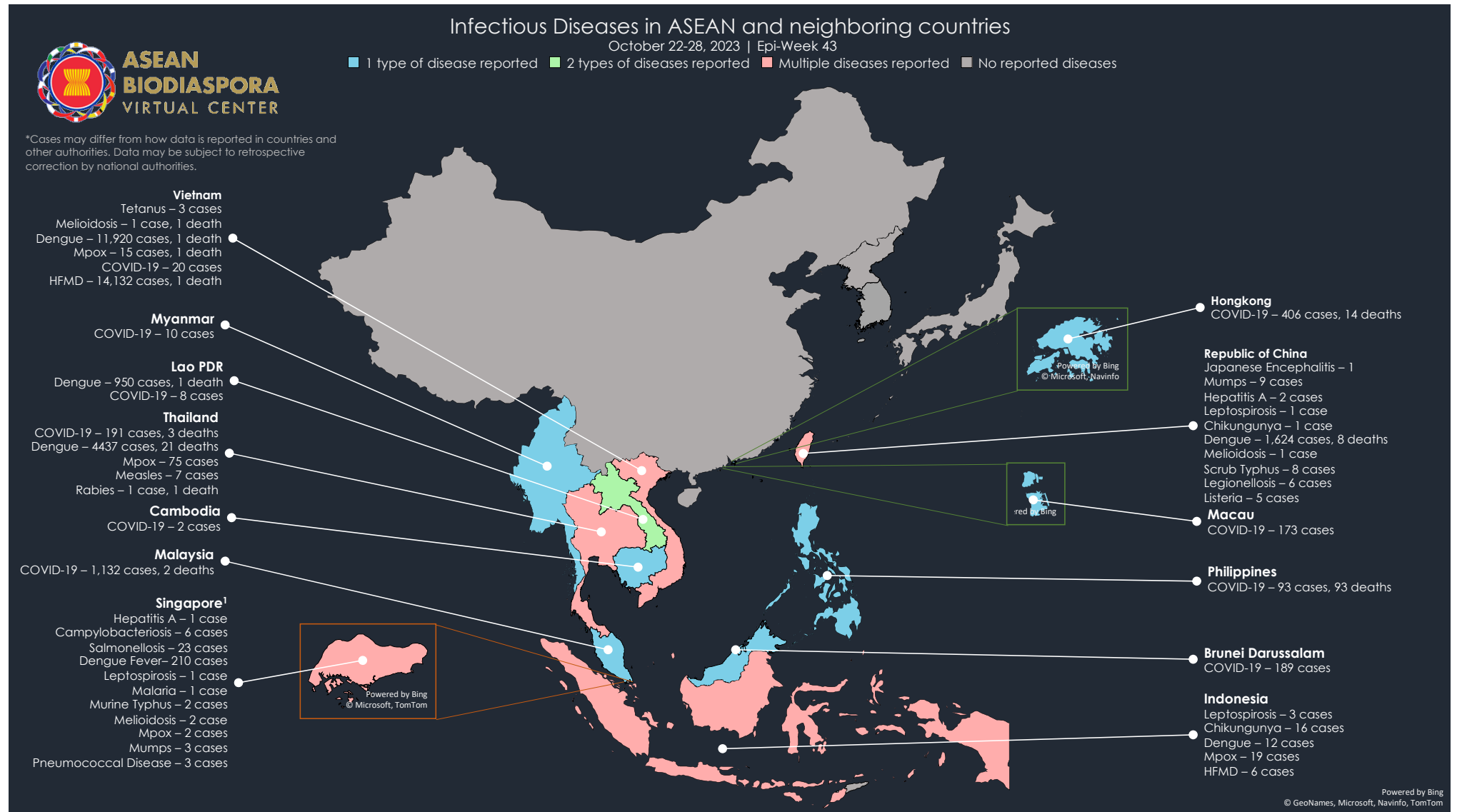
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Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 43 | October 22-28, 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 43 | October 22-28, 2023

Infectious Disease Global Updates

Dengue

- **Bangladesh** reported 10 deaths, raising the total fatalities to 1,327 this year. More than 1,500 patients were hospitalized, with 407 admitted to Dhaka hospitals. A total of 7,091 patients are now receiving treatment. September has been the deadliest month for the dengue outbreak in Bangladesh (UNB, 2023). [\[Full article\]](#)
- **India** reported new dengue cases in various areas of Ghaziabad, with 82 patients examined. The district has 994 cases of dengue, 113 active cases, three cases of chikungunya, and 25 cases of malaria, *Aedes* mosquito larvae were destroyed in 82 houses, and pesticides were sprayed in 43 places (Panchal, 2023). [\[Full article\]](#)
- **Republic of China (Taiwan)** confirmed 158 dengue cases in Pingtung County, with 102 in Pingtung City. The outbreak occurs primarily in Huashanli, Fengnianli, and Ruiguangli. The Health Bureau warns that repeated infection with different types of dengue fever virus may increase the risk of severe cases. Two severe dengue cases were reported in Pingtung County, both more than 65 years of age men with multiple chronic diseases. [\[Full article\]](#)

Diphtheria

- **India** reported seven diphtheria cases and three deaths in Pawal and Nuh villages (Pati, 2023). The state health department launched a surveillance drive in areas with recurrent diphtheria cases over the last five years, forming 11 teams of ANMs and vaccinators. In Palwal district, two boys and an 11-year-old girl died due to the vaccine-preventable disease (Pati, 2023). Officials are checking for symptoms such as sore throat, low fever, and swollen neck glands. In severe cases, it may cause myocarditis or peripheral neuropathy. It also makes swallowing difficult for the patients. [\[Full article\]](#)

Malaria

- **India** reported half of the state's malaria cases are from Barmer, with 948 reported in 2023. The prevalence of malaria has decreased in most districts, but in Barmer, cases increase during monsoon and post-monsoon. 182 people tested positive for malaria in Jaisalmer, and 39 confirmed cases in Jaipur (TNN, 2023). [\[Full article\]](#)
- **Pakistan** reported in the last 24 hours in October 27 that Sindh province is experiencing a surge in malaria cases, with over 3,000 new cases (Zahra, 2023). Hyderabad has the highest number, with 1,381 cases. The province has reported 442,776 cases this year, with two deaths attributed to malaria (Zahra, 2023). [\[Full article\]](#)

Measles

- **Armenia** reported a death of an unvaccinated child in the country. The child had other co-morbidities and was hospitalized with severe health conditions (Armtimes, 2023). As of October 25, 471 measles cases were reported in Armenia, with four patients currently hospitalized. 93% of reported cases are unvaccinated or incompletely vaccinated. The Ministry of Health emphasizes the importance of vaccination for measles prevention, and all medical care organizations in Armenia are provided with combined vaccines against measles, rubella, and mumps (Armtimes, 2023). [\[Full article\]](#)
- **Russia** identified two new cases of suspected measles in Dimitrovgrad, Russia, with 49 cases in 2023 as of October 23 (Snezhina, 2023). All the sick are gypsies with a nomadic



lifestyle. The situation is under control, with specialists visiting affected areas and vaccinating those who have not been previously vaccinated. Restrictive measures in Dimitrovgrad have been extended for 21 days until November 10, and public events have been canceled since September 25 due to the measles outbreak (Snezhina, 2023). [\[Full article\]](#)

Rabies

- In **India**, an eight-year-old girl in Agra, Uttar Pradesh, died after being bitten by a stray dog about two weeks ago (Sharma, 2023). The girl's family did not inform her about the incident, and she was provided home remedies instead of the essential anti-rabies vaccine. The girl was rushed to a nearby hospital but died on the way (Sharma, 2023). The girl's family ignored advice to seek proper medical treatment, and as many as 5,000 dog bite cases are reported each month in Agra. [\[Full article\]](#)
- In **Zimbabwe**, the Chipinge District Civil Protection Department discussed curbing rabies spread, citing an outbreak that has claimed three lives (The Zimbabwean, 2023). Vaccination has been done for 9,000 out of 12,000 dogs, and mandatory vaccination is being recommended (The Zimbabwean, 2023). The department urges the community to vaccinate their dogs, as treatment is expensive (The Zimbabwean, 2023). [\[Full article\]](#)

Vector-Borne Diseases

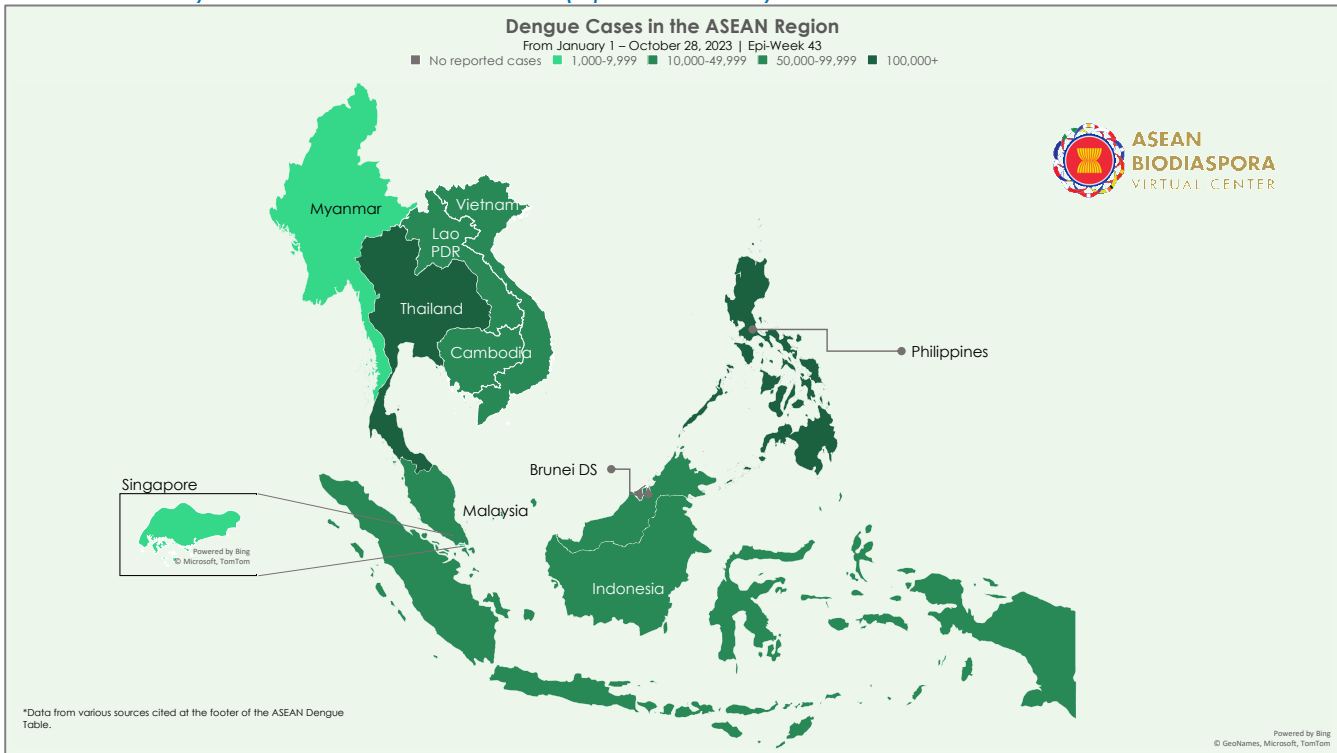


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Dengue Cases in the ASEAN Region

From January 1 to October 28, 2023 (Epi-Week 43)



Dengue cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Dengue Cases	New Cases Since the Previous Report	Cumulative Deaths	New Deaths	Case Fatality Rate (CFR)
Brunei Darussalam	-	-	-	-	-	-
Cambodia¹	Week 36	20,327	-	37	-	0.18%
Indonesia²	Week 41	70,609	1,613	508	10	0.72%
Lao PDR¹	Week 37	24,556	-	12	-	0.05%
Malaysia³	Week 43	98,144	1,446	73	-	0.07%
Myanmar⁴	Week 28	6,685	-	30	-	0.45%
Philippines⁵	Week 40	149,129	4,665	531	44	0.36%
Singapore⁶	Week 42	8,095	210	-	-	0.00%
Thailand⁷	Week 42	119,465	4,437	122	21	0.10%
Vietnam¹	Week 37	87,719	-	24	-	0.03%
Total		584,729	12,371	1,337	75	0.23%

1. WHO WPRO, "Dengue," World Health Organization, accessed October 30, 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 October 30, 2023, iDengue, <https://idengue.mysa.gov.my/did/>
 4. BlueDot Developer Portal, accessed October 30, 2023, <https://developer-portal.bluedot.global/>
 5. Department of Health Website, accessed October 30, 2023 "Statistics," <https://doh.gov.ph/statistics>
 6. National Environment Agency (NEA), accessed October 30, 2023, <https://www.nea.gov.sg/dengue-zika/dengue/dengue-cases>
 7. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 30, 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 **12,371** new dengue cases and **75** new deaths in the Philippines, and Thailand since the previous report. The region reported **584,729** total cases and **1,337** total deaths in 2023 with **0.23%** CFR.



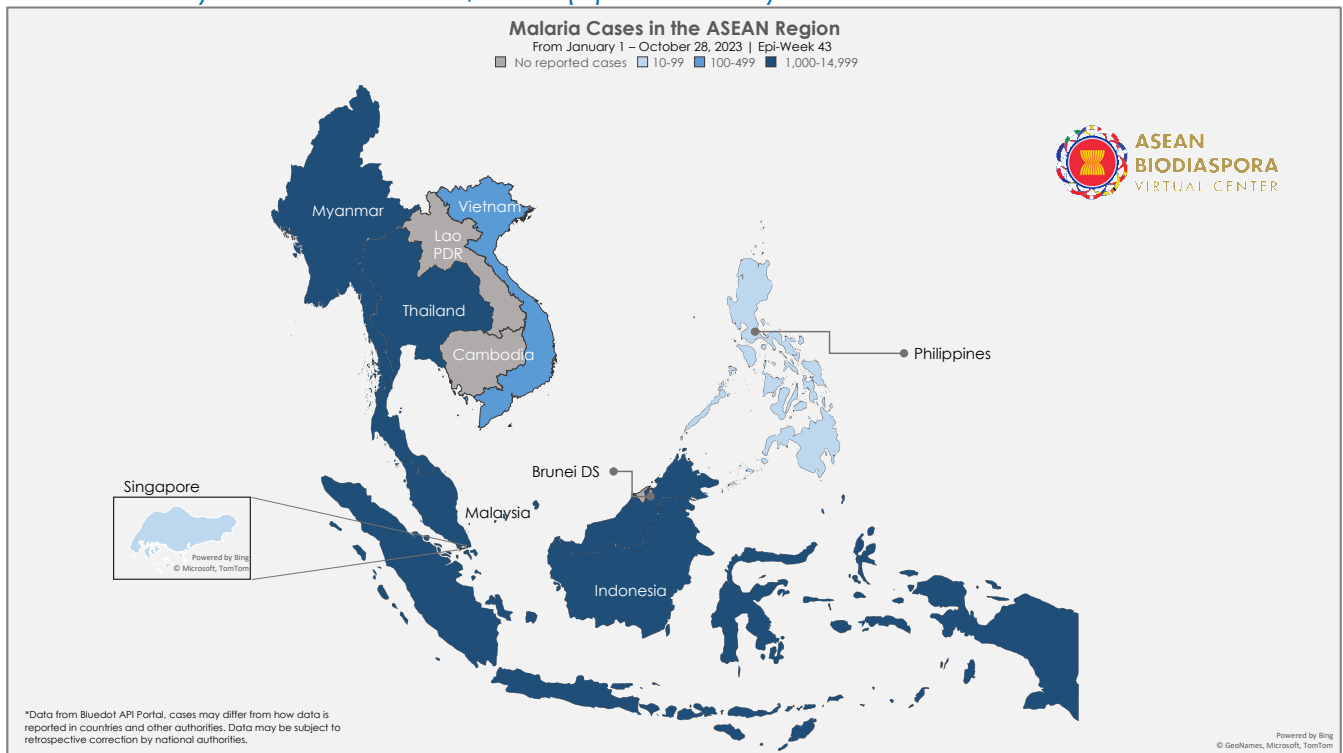
Dengue

- Indonesia** reported 24 dengue cases in Nangahale Village, Talibura District, Sikka Regency, East Nusa Tenggara Province (Faidin, 2023). The disease spreads due to breeding of mosquitoes in clogged water ditches with odors. Young children and housewives are the primary victims. Lack of awareness among fish entrepreneurs who dispose of waste in gutters contributes to the disease. The head of Watubaing Health Center hopes the Nangahale Village Government will respond, address the source of the disease, and regulate the community's involvement. Sewers are identified as an environmental factor in the increase of disease-carrying mosquitoes. (Faidin, 2023). Additionally, The Sanggau Regency Health Service is combating the Dengue Hemorrhagic Fever (DHF) surge with 127 cases as of October 24, 2023. Prevention measures include Clean Friday reactivation, health education, abatement, and fogging. In Kapuas, collaboration with sub-districts for PSN, 3M, and Clean and Healthy Living Behavior (PHBS) promotion is underway. Youth Pledge events involve cleaning, community service, and mosquito nets eradication. Fogging is less effective due to environmental and health concerns, so the focus is on PSN and 3M to prevent mosquito breeding in clean areas (Today, 2023). [[Full article\(Faidin,2023\)](#)] [[Full article\(Today,2023\)](#)]
- Lao PDR** reported 19 dengue-related deaths this year, with 31,803 cases reported across the country (Vientiane Times, 2023). The latest fatality occurred to a four-year-old girl in Nonmixay village, Lamam district, Xekong province. Health officials warn that dengue fever continues to pose a threat to public health, with thousands of people contracting the disease. Prevention measures include covering unused containers, flushing out water vessels, and keeping home environments clean. The highest number of cases has occurred in Oudomxay province, with 5,350 reported (Vientiane Times, 2023). [[Full article](#)]
- In **Malaysia**, Johor has seen a significant 206% increase in cumulative dengue cases, reaching 8,442 in epidemiology week 42 (EW42), compared to 2,755 in 2022 (Musa, 2023). The majority (40.7%) of cases are linked to clusters, while 59.3% have no cluster attribution. New dengue fever cases decreased from 239 in EW41 to 209 in EW42. The highest number of cases is in the Johor Baru district, followed by Kulai, Batu Pahat, Kluang, Segamat, Pontian, Tangkak, Muar, and Mersing (Musa, 2023). Besides, 12 Marudi town residents infected with dengue have prompted District Officer Belayong Pok to order house clean-up for residents in Kampung Pemindahan, Kampung Cina, Kampung Ridan, and Kampung Dagang. Fogging is underway, and an integrated operation involving various departments is scheduled for tomorrow (Laeng, 2023). [[Full article\(Musa,2023\)](#)] [[Full article\(Laeng,2023\)](#)]
- Singapore** is grappling with dengue fever, with 208 new cases and 51 active clusters reported in the week ending October 21, 2023 (Alavanja, 2023). The National Environment Agency (NEA) emphasizes individual responsibility in controlling the outbreak, advising avoiding further mosquito bites. [[Full article](#)]
- Vietnam** is experiencing a surge in dengue fever cases, with 2,766 cases a week before October 26, marking a 165-case increase from the week before in Hanoi (Vietnam News, 2023). The city has reported 113 outbreaks in 24 districts and towns, with the highest number in Dong Da District. Ho Chi Minh City has seen an 11.2% increase in cases since the beginning of 2023, with 465 cases in the past week alone. Districts with high cases per 100,000 population include District 1, District 8, and Binh Thanh District. Hospitals are treating 205 cases, with 11 severe cases. The southern region has reported 18 dengue deaths in the first nine months of 2023 (thanhvien.vn, 2023). [[Full article\(Vietnam News, 2023\)](#)] [[Full article\(thanhvien.vn, 2023\)](#)]



Malaria Cases in the ASEAN Region

From January 1 to October 28, 2023 (Epi-Week 43)



Malaria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Malaria Cases	New Cases Since the Previous Report	Cumulative Deaths	Case Fatality Rate (CFR)
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia¹	Week 42	1,373	0	0	0.00%
Lao PDR	-	-	-	-	-
Malaysia¹	Week 39	1,081	0	0	0.00%
Myanmar¹	Week 23	4,510	0	0	0.00%
Philippines¹	Week 28	31	0	0	0.00%
Singapore²	Week 42	20	1	0	0.00%
Thailand³	Week 42	4,501	0	3	0.07%
Vietnam¹	Week 42	349	0	0	0.00%
Total		11,865	1	3	0.03%

1. BlueDot Developer Portal, accessed October 30, 2023, <https://developer-portal.bluedot.global/>.
 2. Ministry of Health Singapore, accessed October 30, 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 October 30, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **one** new malaria case in Singapore since the previous report. The region reported **11,865** total cases and **3** total deaths in 2023 with **0.03%** CFR.

Vaccine- Preventable Diseases

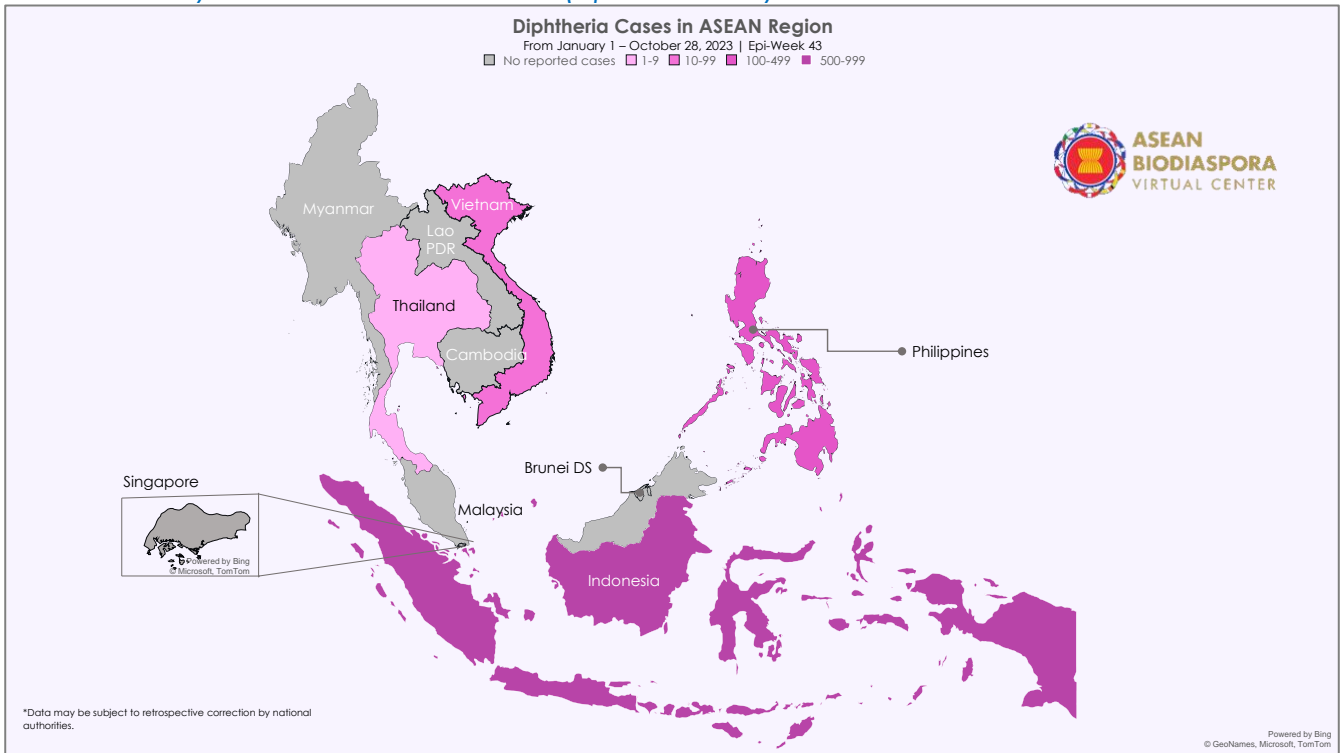


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Diphtheria Cases in the ASEAN Region

From January 1 to October 28, 2023 (Epi-Week 43)



Diphtheria cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Diphtheria Cases	New Cases Since the Previous Report	Cumulative Deaths	Case Fatality Rate (CFR)
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 43	745	113	44	5.91%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 40	152	4	33	21,71%
Singapore ³	Week 41	0	0	0	0.00%
Thailand ⁴	Week 41	5	0	0	0.00%
Vietnam ⁵	Week 38	41	0	3	7.32%
Total		943	117	80	7.83%

1. Ministry of Health, Republic of Indonesia
2. Department of Health Website, accessed October 30, 2023, "Statistics", <https://doh.gov.ph/statistics>
3. Ministry of Health Singapore, accessed October 30, 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 October 30, 2023, <http://doe.moph.go.th/surdata/index.php>
5. BlueDot Developer Portal, accessed October 30, 2023, <https://developer-portal.bluedot.global/>

- The ASEAN region reported **four** new diphtheria cases since the previous report. The region reported **943** total cases and **80** total deaths in 2023 with **7.83%** CFR.



Measles Cases in the ASEAN Region

From January 1 to October 28, 2023 (Epi-Week 43)



Measles cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Measles Cases	New Cases Since the Previous Report	Deaths	Case Fatality Rate (CFR)
Brunei Darussalam	-	-	-	-	-
Cambodia	-	-	-	-	-
Indonesia ¹	Week 42	7,018	0	17	0.24%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 39	1,731	104	5	0.29%
Singapore ³	Week 39	6	0	0	0.00%
Thailand ⁴	Week 42	276	7	0	0.00%
Vietnam	-	-	-	-	-
Total		9,031	111	22	0.24%

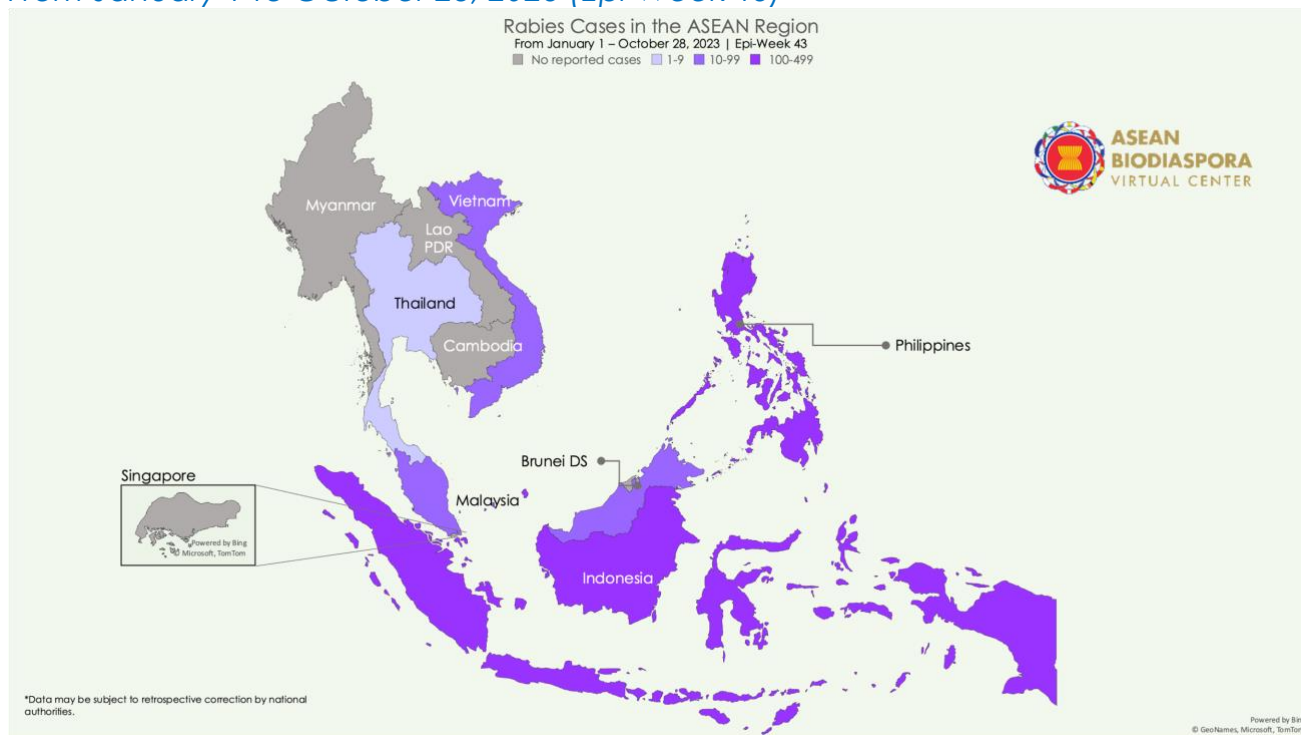
1. Ministry of Health, Republic of Indonesia
2. Department of Health Website, accessed October 30, 2023 "Statistics", <https://doh.gov.ph/statistics>
3. Ministry of Health Singapore, accessed October 30, 2023, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>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

- The ASEAN region reported **111** new measles cases in the Philippines and Thailand since the previous report. The region reported **9,031** total cases and **22** total deaths in 2023 with **0.24%** CFR.



Rabies Cases in the ASEAN Region

From January 1 to October 28, 2023 (Epi-Week 43)



Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Reported Rabies Cases	Laboratory-Confirmed Rabies Cases	Rabies-Related Deaths
Brunei Darussalam	-	-	-	-
Cambodia	-	-	-	-
Indonesia¹	Week 41	318	21	48
Lao PDR	-	-	-	-
Malaysia¹	Week 38	21	9	19
Myanmar	-	-	-	-
Philippines²	Week 40	306	306	306
Singapore	-	-	-	-
Thailand³	Week 42	5	5	5
Vietnam¹	Week 39	64	33	64
Total		714	374	442

1. BlueDot Developer Portal, accessed October 30, 2023, <https://developer-portal.bluedot.global/>.
 2. Department of Health Website, accessed October 30, 2023 "Statistics", <https://doh.gov.ph/statistics>.
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 30, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **714** rabies cases, **374** confirmed rabies cases, and **442** rabies-related deaths.



Rabies

- **Indonesia** reported one resident dying and three are in critically injured after being bitten by a rabid dog in West Timor Island. A farmer from Oinlasi Village, was bitten by the dog while going to church. He was found to be positive for rabies after being bitten in May 2023. Patient did not return home or seek an anti-rabies vaccine or serum. After four months, he was bitten again and was referred to the Oinlasi Health Center. He was hospitalized and later referred to Soe Hospital. The patient died on October 28. The Rabies Prevention and Control Task Force has appealed for the public to report if they have been bitten by dogs, as three more people have also reported similar symptoms (AMA, 2023). [[Full article](#)]



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