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# Infectious Diseases in the ASEAN Region

———— Morbidity and Mortality Weekly Report (MMWR)

July 3, 2023 | 23-001



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### **PUBLISHER**

ASEAN Biodiaspora Virtual Center

### **EDITORIAL ADDRESS**

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

**E-mail:** [support@biodiaspora.org](mailto:support@biodiaspora.org)  
Weekly Issue





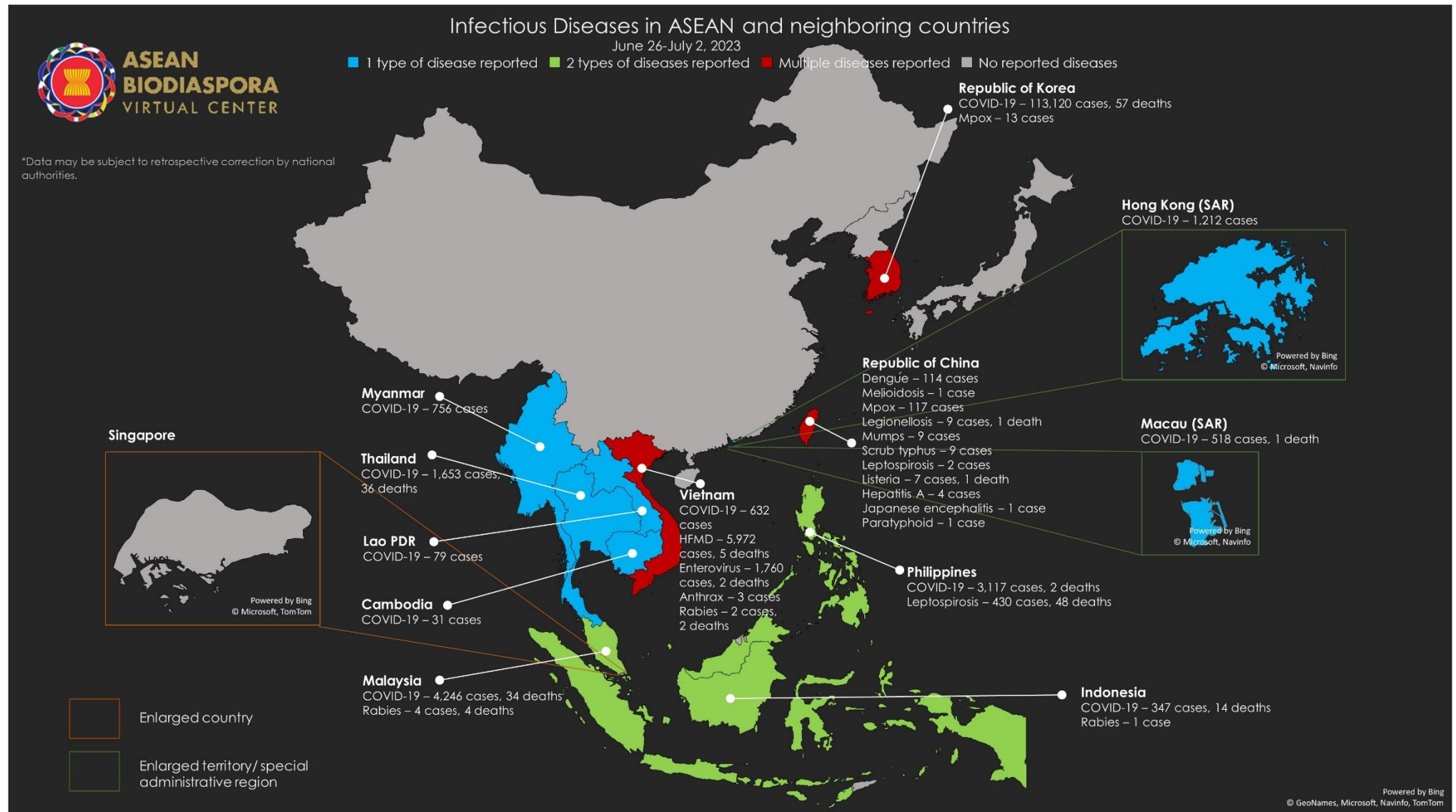
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# Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

From June 26-July 2, 2023





## Reported Infectious Diseases

June 26–July 2, 2023

### Infectious Disease Global Updates

#### Avian Influenza in Domestic Cats

- Poland:** On June 28, 2023, the Polish Chief Veterinary Officer (CVO) released a news statement informing the public that the country has 16 cat samples positive for influenza A(H5N1). Positive samples come from a variety of cities throughout Poland. The World Organization for Animal Health (WOAH) issued a statement on the Polish cat outbreak, noting that the severe and rapid course of the infection is consistent with reports of A(H5N1) infection in Felidae and that several cases of Influenza A(H5N1) infection in cats have been reported from Europe and North America in the context of the ongoing pandemic. WOAH emphasizes the need for additional research, stating that because the cases include both stray and pet cats, exposure to ill wild birds is not considered a likely mode of transmission. Furthermore, the large geographical distribution of cases shows that cat-to-cat transmission is not the predominant mechanism of spread in these cases, but rather some other type of common source. The statement also notes the necessity to segregate any suspected cases from other pets due to potential gastrointestinal shedding, as well as the need for adequate personal protective protection (PPE) for such animal handlers. According to Polish media, the director of the National Veterinary Institute in Puawy has discovered "two mutations that indicate that the A(H5N1) virus is evolving to multiply more easily in mammals." There are currently some unknowns regarding the source of infection, the possibility of feline-to-feline and feline-to-human transmission of the specific A(H5N1) influenza virus strain, and the severity of the sickness. Although no human instances have been documented in connection with this occurrence, there are too many unknowns at this point to accurately estimate the risk to the general public. [\[Full report\]](#)

#### Hepatitis E

- The Czech Republic** is experiencing an increase in hepatitis E cases across the Moravian-Silesian region and the country (News Desk, 2023a). In 2022, 21 patients fell ill with the infection, but this year, 41 infected people have sought medical help. Six of these patients became infected in June. The State Health Institute (SZÚ) reported 319 cases in 2022, with 221 new cases by the end of May. Hepatitis E is spread through water and food, unlike hepatitis B and C, which are transmitted through blood, sexual contact, and mother-to-child transmission. Previously associated with traveling to countries with poorer hygiene standards, doctors now diagnose the infection in people spending their holidays at home. Hygienists believe there is no risk of spreading the disease in the Czech Republic. However, the growing number of sick people worries doctors, as only two patients with hepatitis E were hospitalized in 2021 compared to five last year and twelve this year. The disease's severity is more serious, with a third patient in their care with a severe course in the last year. Anti-viral treatment is being started to find the patient's cause. [\[Full article\]](#)

# Vector-Borne Diseases

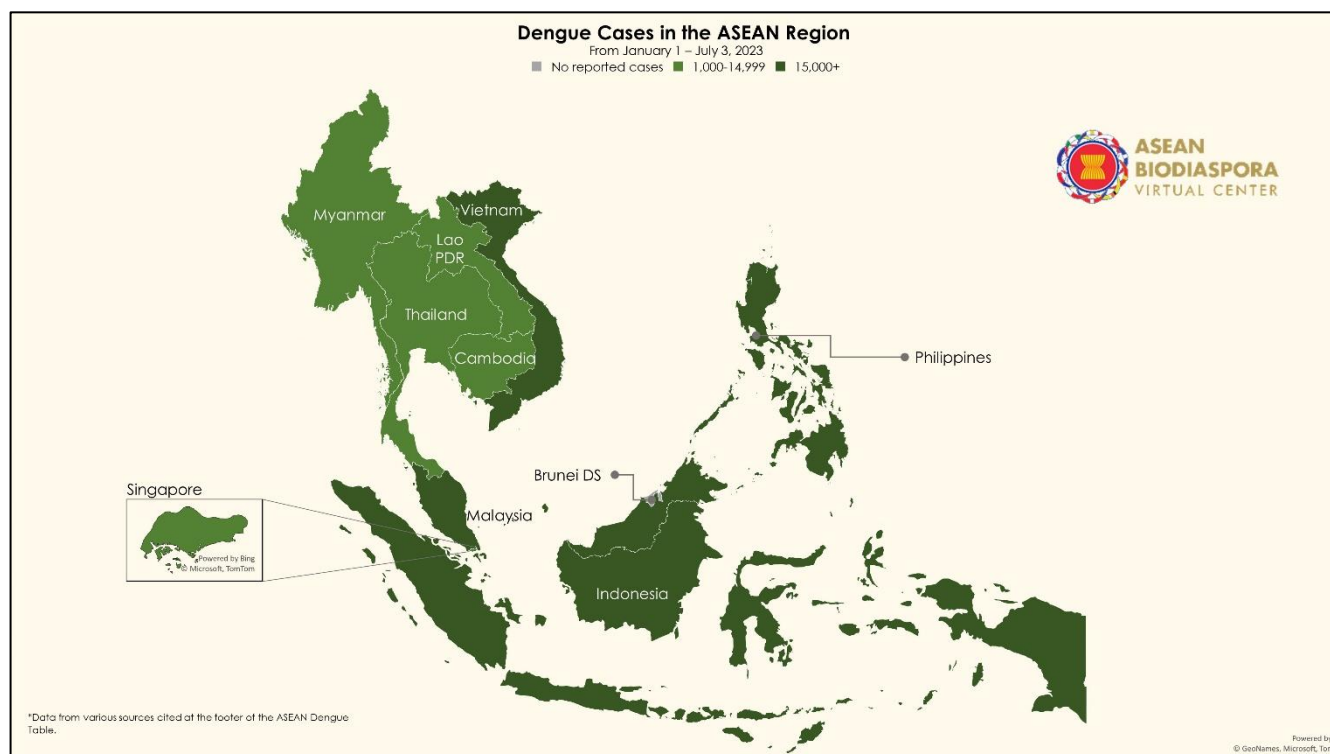


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## Dengue Cases in the ASEAN Region

From January 1 to July 3, 2023



### Dengue cases in the ASEAN region

Country	Dengue Cases	New Cases since the previous report	Deaths	Case Fatality Rate (CFR)
<b>Brunei Darussalam</b>	-	-	-	-
<b>Cambodia</b>	3,051 <sup>2</sup>	0	5 <sup>2</sup>	0.16%
<b>Indonesia</b>	35,964 <sup>1</sup>	0	270 <sup>1</sup>	0.75%
<b>Lao PDR</b>	2,517 <sup>2</sup>	0	0 <sup>1-2</sup>	0.00%
<b>Malaysia</b>	46,257 <sup>2</sup>	0	31 <sup>2</sup>	0.07%
<b>Myanmar</b>	1,717 <sup>1</sup>	0	7 <sup>1</sup>	0.41%
<b>Philippines</b>	58,444 <sup>3</sup>	0	203 <sup>3</sup>	0.35%
<b>Singapore</b>	3,323 <sup>2</sup>	0	0 <sup>2</sup>	0.00%
<b>Thailand</b>	13,987 <sup>2</sup>	0	4 <sup>2</sup>	0.03%
<b>Vietnam</b>	33,695 <sup>2</sup>	0	8 <sup>2</sup>	0.02%
<b>Total</b>	<b>198,955</b>	<b>0</b>	<b>528</b>	<b>0.27%</b>

1. BlueDot Developer Portal, accessed July 3, 2023, <https://developer-portal.bluedot.global/>.

2. Asian Dengue Voice and Action, "Asian Dengue Dashboard," accessed July 3, 2023, <https://www.adva.asia/asian-dengue-dashboard/>.

3. Department of Health Website, accessed June 28, 2023 "Statistics," July 3, 2023, <https://doh.gov.ph/statistics>.

\*Data were updated and collected from official sources, which may have a 2-4 weeks delay in reporting. Data must be interpreted cautiously.

- The ASEAN region reported **NO** new dengue cases since the previous report. The region reported **198,955** total cases and **528** total deaths in 2023 with **0.27%** CFR.





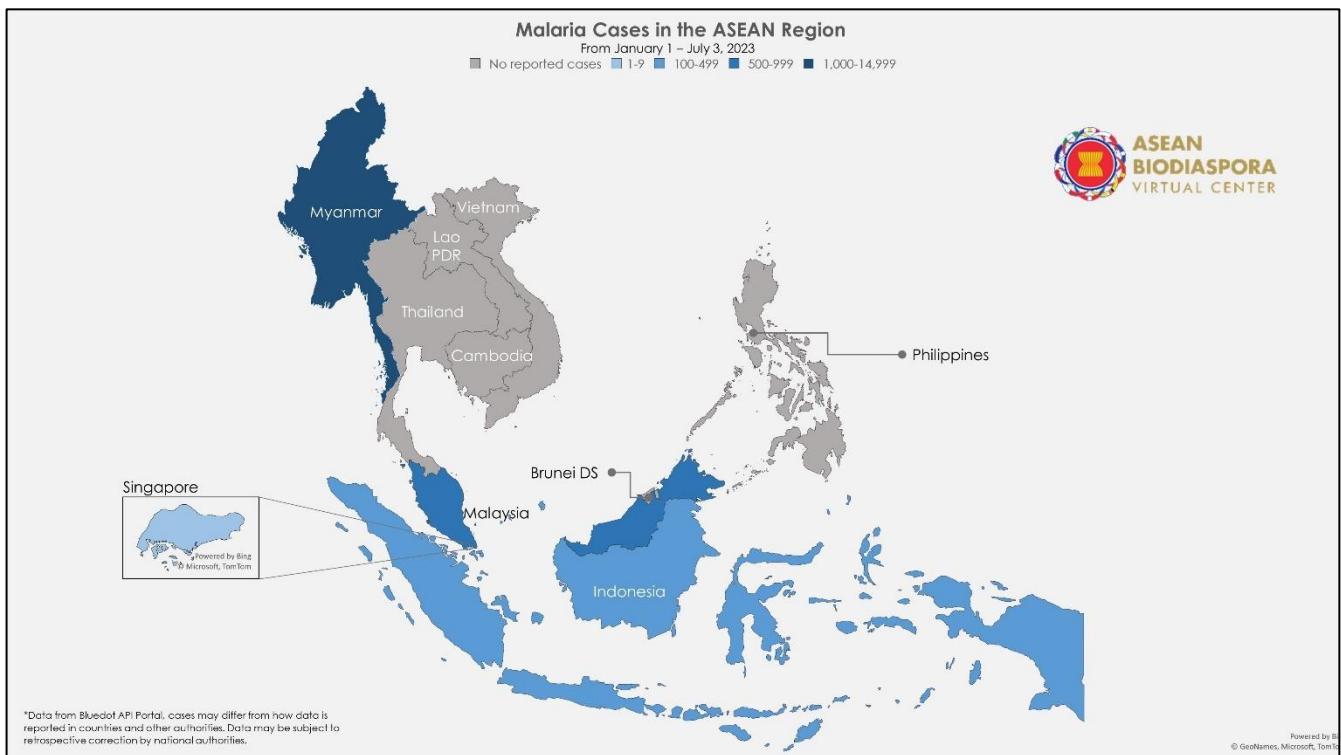
## Dengue

- Lao PDR:** The number of dengue fever cases has continued to grow in Laos, with one new death reported, according to the Ministry of Health. The new death was recorded in Lao capital Vientiane, taking the dengue death toll to two in the country in 2023. In the last 24 hours, the Southeast Asian country reported 175 new infections. The highest number of dengue cases was reported in Oudomxay province at 1,621, while 1,192 cases were detected in Khammuan province, and 636 cases in Xayaboury province. The Lao Ministry of Health urged people countrywide to remain vigilant, especially during rainy seasons when dengue-spreading mosquitoes grow in number due to stagnant water accumulation in the surroundings. The ministry said it will continue to work closely with central and provincial health departments to follow up on the trends in dengue transmission and encourage the clearing of mosquito breeding sites. [\[Full article\]](#)
- Malaysia:** Malaysian health officials recorded 54,139 overall dengue cases through June 17, a 149.6% increase over the 21,688 cases reported during the same period in 2022 (News Desk, 2023b). There have been 39 deaths reported as a result of dengue fever complications, compared to 15 deaths in the same period in 2022. According to the health ministry, the number of dengue hotspots has increased this week, with 110 hotspot localities identified, up from 95 the previous week. Of the 110 hotspot locations detected, 84 are in Selangor, 14 are in WPKL and Putrajaya, four (4) are in Kedah and Penang, three (3) are in Sabah, and one (1) is in Perlis. Monitoring at the National Dengue Operations Center revealed that the number of cases of dengue fever is high and likely to rise further if no preventive measures are implemented by all parties, including community members. [\[Full article\]](#)



# Malaria Cases in the ASEAN Region

From January 1 to July 3, 2023



## Malaria cases in the ASEAN region

Country	Malaria Cases	New Cases since the previous report	Deaths	Case Fatality Rate (CFR)
<b>Brunei Darussalam</b>	-	-	-	-
<b>Cambodia</b>	-	-	-	-
<b>Indonesia</b>	353 <sup>4</sup>	0	-	0.00%
<b>Lao PDR</b>	-	-	-	-
<b>Malaysia</b>	866 <sup>4</sup>	0	-	0.00%
<b>Myanmar</b>	4,510 <sup>4</sup>	0	-	0.00%
<b>Philippines</b>	-	-	-	-
<b>Singapore</b>	7 <sup>4</sup>	0	-	0.00%
<b>Thailand</b>	-	-	-	-
<b>Vietnam</b>	-	-	-	-
<b>Total</b>	<b>5,736</b>	<b>0</b>	<b>0</b>	<b>0.00%</b>

4. BlueDot Developer Portal, accessed July 3, 2023, <https://developer-portal.bluedot.global/>.

- The ASEAN region reported **NO** new malaria cases in Singapore since the previous report. The region reported **5,736** total cases and **0** total deaths in 2023 with **0.00%** CFR.

# Vaccine- Preventable Diseases



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# Measles Cases in the ASEAN Region

From January 1 to July 3, 2023



## Measles cases in the ASEAN region

Country	Measles Cases	New Cases since the previous report	Deaths	Case Fatality Rate (CFR)
<b>Brunei Darussalam</b>	-	-	-	-
<b>Cambodia</b>	-	-	-	-
<b>Indonesia</b>	2,161 <sup>5</sup>	0	17 <sup>5</sup>	0.79%
<b>Lao PDR</b>	-	-	-	-
<b>Malaysia</b>	-	-	-	-
<b>Myanmar</b>	-	-	-	-
<b>Philippines</b>	634 <sup>6</sup>	0	2 <sup>6</sup>	0.32%
<b>Singapore</b>	6 <sup>5</sup>	1	-	0.00%
<b>Thailand</b>	73 <sup>5</sup>	0	-	0.00%
<b>Vietnam</b>	-	-	-	-
<b>Total</b>	<b>2,874</b>	<b>1</b>	<b>19</b>	<b>0.66%</b>

5. BlueDot Developer Portal, accessed July 3, 2023, <https://developer-portal.bluedot.global/>.

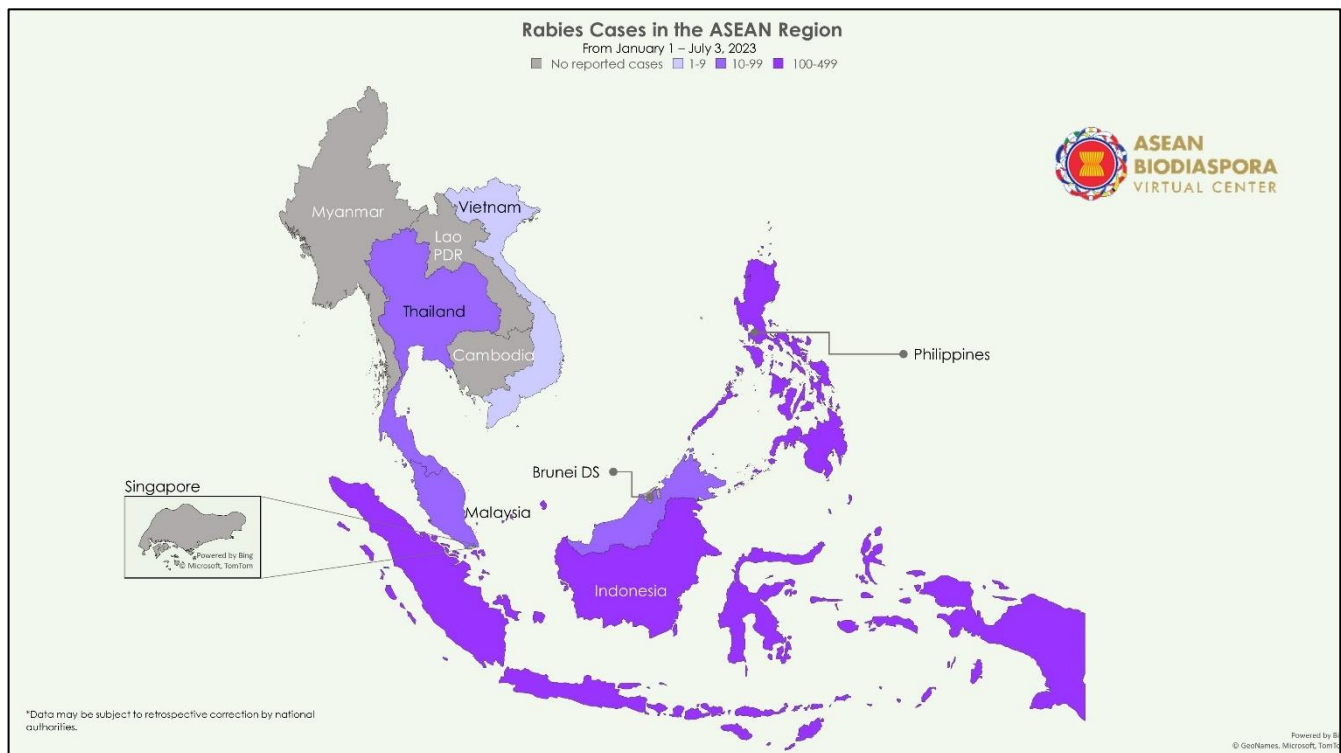
6. Department of Health Website, accessed July 3, 2023 "Statistics," June 3, 2023, <https://doh.gov.ph/statistics>.

- ASEAN region reported **1** new measles case in Singapore since the previous report. The region reported **2,874** total cases and **19** total deaths in 2023 with **0.66%** CFR.



## Rabies Cases in the ASEAN Region

From January 1 to July 3, 2023



### Rabies cases in the ASEAN region

Country	Rabies Cases	New Cases since the previous report	Deaths	Case Fatality Rate (CFR)
<b>Brunei Darussalam</b>	-	-	-	-
<b>Cambodia</b>	-	-	-	-
<b>Indonesia</b>	262 <sup>7</sup>	0	47 <sup>7</sup>	17.94%
<b>Lao PDR</b>	-	-	-	-
<b>Malaysia</b>	-	-	-	-
<b>Myanmar</b>	-	-	-	-
<b>Philippines</b>	158 <sup>8</sup>	0	158 <sup>8</sup>	100%
<b>Singapore</b>	-	-	-	0.00%
<b>Thailand</b>	3 <sup>7</sup>	0	3 <sup>7</sup>	100%
<b>Vietnam</b>	7 <sup>7</sup>	0	7 <sup>7</sup>	100%
<b>Total</b>	<b>430</b>	<b>0</b>	<b>215</b>	<b>50.00%</b>

7. BlueDot Developer Portal, accessed July 3, 2023, <https://developer-portal.bluedot.global/>.

8. Department of Health Website, accessed July 3, 2023 "Statistics," June 3, 2023, <https://doh.gov.ph/statistics>.

- The region reported **439** total rabies cases and **215** total deaths in 2023 with **50.00%** CFR.



## Rabies

- **Indonesia:** Number of deaths due to rabies dog bites in Timor Tengah Selatan (TTS) Regency, East Nusa Tenggara (NTT) has increased to six people. The sixth victim was a 7-year-old 4-month-old child named Jonia Alvaro Metboki. Jonia was reported to have been bitten by a dog on April 20, 2023, in the left calf with 8 bites while playing with his friends. The total number of rabies dog bite cases in the area has reached 635 people spread across 162 villages in 30 sub-districts (Amalo, 2023). Meanwhile, the Ministry of Health (Kemenkes) recorded 47 deaths due to rabies from January 2023 to June 21, 2023. Meanwhile, there were 45,789 cases of rabies-transmitting animal bites (GPHR). The Ministry of Health continues to make efforts to prevent and handle rabies cases in the region. The steps taken include intensifying vaccination of rabies-carrying animals (Puspa, 2023). [Full articles: [Amalo](#), [Puspa](#)]

Rabies is a frightening disease affecting humans, with 95% of cases infected due to dog bites. In Indonesia, 25 provinces are endemic for rabies, with 31,113 cases reported from January to April 2023 (Rusyda, 2023). The Ministry of Health has implemented countermeasures to address the high number of cases, including coordinating with cross ministries/institutions, providing Rabies Management Guidelines for all primary and advanced health facilities, training zoonoses program managers, forming a Rabies Center, conducting surveillance on humans through the Early Alertness and Response System, providing KIE Media for all facilities, and conducting integrated epidemiological investigations in case of an increase in cases. [[Full article](#)]



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