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Morbidity and Mortality Weekly Report in the ASEAN Region

— Infectious Diseases

October 17, 2023 | MMWR 2023-41
Epidemiological Week 41



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Weekly Issue





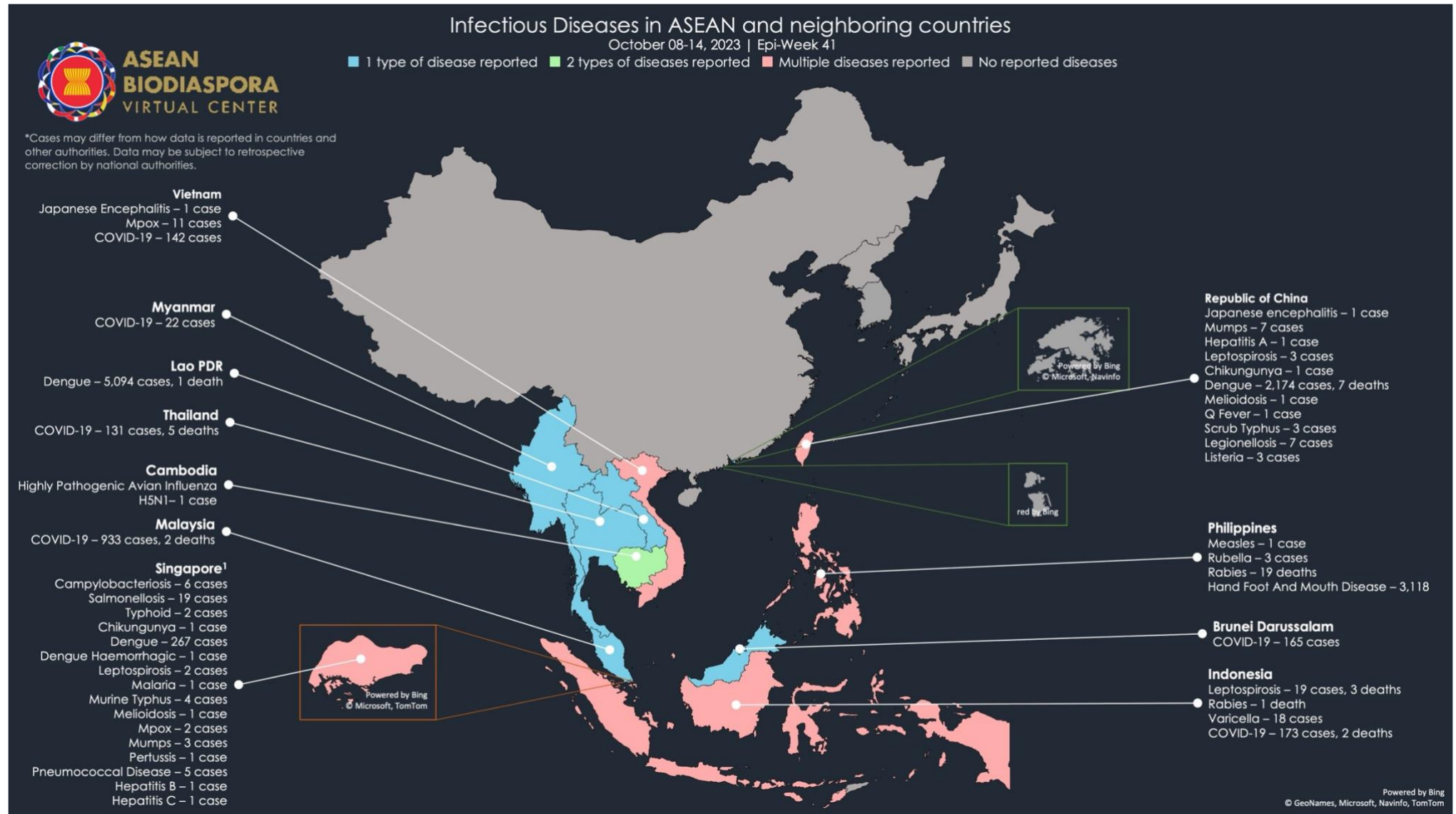
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Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 41 | October 8-14, 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 41 | October 8-14, 2023

Infectious Disease Global Updates

Dengue

- **India:** At least 13 people died from dengue in South Asia in the 24 hours leading up to the outbreak, with six reported in the capital (Shumon, 2023). At least 2,327 dengue patients were hospitalized, making this year the deadliest since 2000. There is no vaccine or drug for dengue, which is common during the monsoon season. [\[Full article\]](#)
- **US:** Rainfall increases mosquito vector levels, increasing the risk of mosquito-related diseases like dengue, zika, and chikungunya (Gleaner, 2023). The Caribbean Public Health Agency reports an increase in dengue cases and outbreaks in three states. The Ministry of Health plans to strengthen mosquito surveillance efforts to reduce the risk of these diseases. [\[Full article\]](#)
- **Republic of China:** Republic of China has recorded over 15,000 local dengue fever cases and 25 deaths this year, the most severe since 2015, according to the Center for Disease Control (CDC) (Yi-ning and Kao, 2023). The number of cases reached 15,561, with Tainan accounting for nearly 90% of the total. During the week, 19 people developed severe symptoms, bringing the total number to 86. Five males with underlying health conditions died within 4 to 18 days after infection due to deterioration in their condition. The youngest among the 19 people with serious symptoms was a 17-year-old female in Tainan. CDC data shows 665 cases were recorded in Tainan during the first three days of this week, down about 33% from last week. [\[Full article\]](#)

Vector-Borne Diseases



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Dengue Cases in the ASEAN Region

From January 1 to October 14, 2023 (Epi-Week 41)



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 | 8,413 | 37 | 5 | 0.18% |
| Indonesia² | Week 40 | 68,996 | 815 | 498 | 11 | 0.72% |
| Lao PDR¹ | Week 37 | 24,556 | 8,143 | 12 | 0 | 0.04% |
| Malaysia³ | Week 40 | 94,442 | 2,279 | 67 | 5 | 0.07% |
| Myanmar⁴ | Week 28 | 6,685 | 0 | 30 | 0 | 0.45% |
| Philippines⁵ | Week 37 | 170,681 | 58,868 | 487 | 66 | 0.29% |
| Singapore⁶ | Week 41 | 7,787 | 164 | 0 | 0 | 0.00% |
| Thailand⁷ | Week 40 | 106,548 | 0 | 101 | 0 | 0.09% |
| Vietnam¹ | Week 31 | 87,719 | 30,021 | 38 | 24 | 0.04% |
| Total | | 590,741 | 110,034 | 1,270 | 116 | 0.21% |

1. WHO WPRO, "Dengue," World Health Organization, accessed October 16, 2023, <https://www.who.int/westernpacific/emergencies/surveillance/dengue>.
 2. Ministry of Health Indonesia
 3. Disease Control Division, Ministry of Health Malaysia, accessed October 16, 2023, iDengue, <https://idengue.mysa.gov.my/did/>.
 4. BlueDot Developer Portal, accessed October 16, 2023, <https://developer-portal.bluedot.global/>.
 5. Department of Health Website, accessed October 16, 2023 "Statistics," September 16, 2023, <https://doh.gov.ph/statistics>.
 6. National Environment Agency (NEA), accessed October 16, 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 16, 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 **110,034** new dengue cases and **116** new deaths in Cambodia, Indonesia, Malaysia, the Philippines, and Vietnam since the previous report. The region reported **590,741** total cases and **1,270** total deaths in 2023 with **0.21%** CFR.



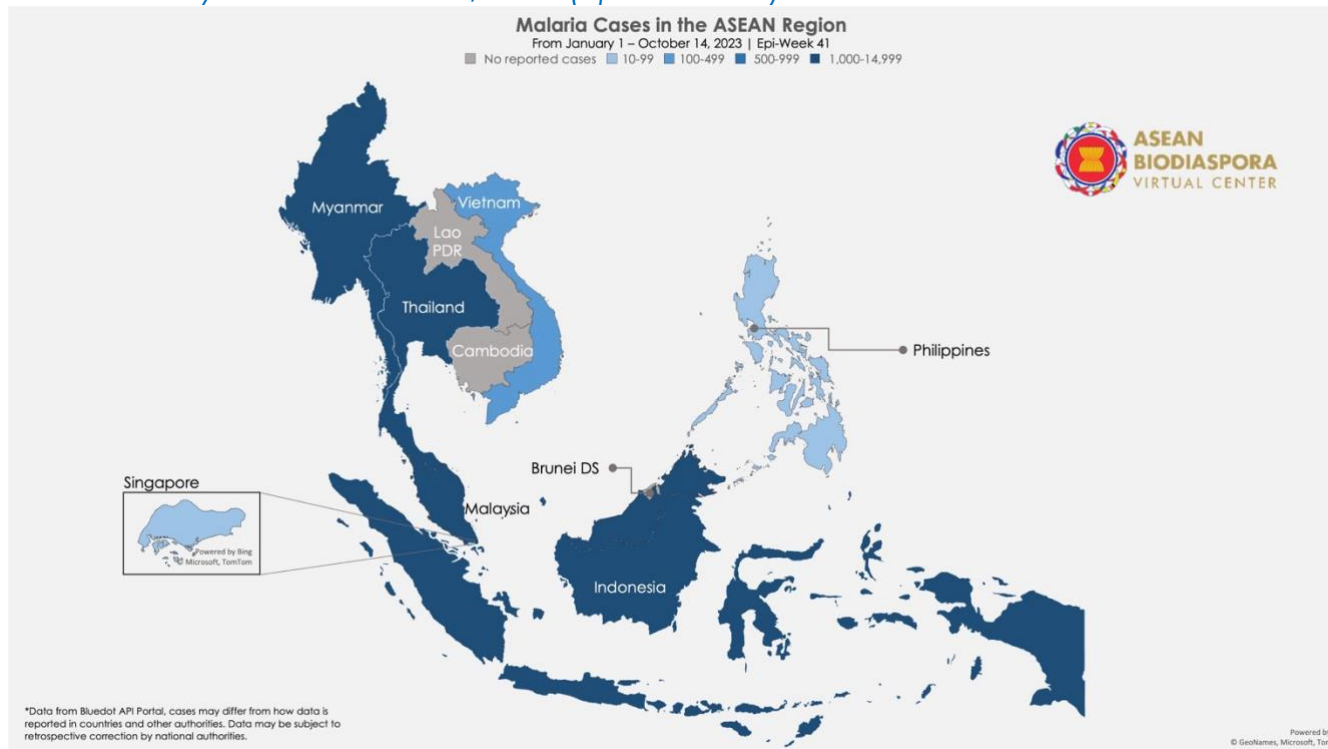
Dengue

- Indonesia:** The Tangerang Regency Health Service reported 882 cases of dengue hemorrhagic fever (DHF) from January to September 2023 (Ma'arif, 2023). The number of hundreds of cases decreased slightly compared to 2022, which reached 1,322 cases from January to December. The head of the Disease Prevention and Control Division at the Tangerang Regency Health Office, noted that the number of hundreds of cases had decreased slightly. The Serang City Health Service in Banten Province reported 231 cases of DHF between January and August 2023, with two deaths (Sari and Kuncahyo, 2023). The number of cases is based on reports from 16 community health centers in six sub-districts. To prevent and control DHF, the city is focusing on eradicating mosquito nests through prevention activities, such as closing water storage areas, burying items, and draining water tanks regularly. Jumantik cadres are also monitoring mosquito larvae. [\[Full article \(Ma'arif, 2023\)\]](#) [\[Full article \(Sari and Kuncahyo, 2023\)\]](#)
- Lao PDR:** Dengue cases in Laos have risen to 30,323, with 17 deaths so far (Xinhua, 2023). The highest number was reported in Oudomxay province at 5,258, followed by 4,497 in Vientiane and 3,721 in Khammuan. The health ministry urges people to remain vigilant, especially during rainy seasons. Laos has made improvements in dengue diagnosis and treatment, and is working to increase public understanding of the disease's danger. The ministry plans to continue developing medical professionals' capacity to provide better healthcare services. [\[Full article\]](#)
- Malaysia:** Dengue fever cases in the 40th Epidemiological Week (ME40) in Paranaayana increased by 5.9% to 2,436 cases, with 67 fatalities due to complications (Bernama, 2023). The number of dengue hotspot localities increased to 70, with 52 hotspots in Selangor, Kuala Lumpur, Putrajaya, Perlis, Penang, Perak, Negeri Sembilan, Johor, Pahang, Kelantan, Sarawak, and Sabah. No cases of chikungunya were recorded in ME40. [\[Full article\]](#)



Malaria Cases in the ASEAN Region

From January 1 to October 14, 2023 (Epi-Week 41)



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 | - | - | - | - | - |
| Indonesia ¹ | Week 30 | 1,056 | 0 | 0 | 0.00% |
| Lao PDR | - | - | - | - | - |
| Malaysia ¹ | Week 39 | 1,081 | 215 | 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 40 | 18 | 1 | 0 | 0.00% |
| Thailand ³ | Week 40 | 4,477 | 140 | 0 | 0.07% |
| Vietnam ¹ | Week 30 | 146 | 0 | 0 | 0.00% |
| Total | | 11,319 | 356 | 3 | 0.03% |

1. BlueDot Developer Portal, accessed October 16, 2023, <https://developer-portal.bluedot.global/>.
 2. Ministry of Health Singapore, accessed October 16, 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 16, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **356** new malaria cases in Malaysia, Singapore, and Thailand since the previous report. The region reported **11,319** total cases and **3** total deaths in 2023 with **0.03%** CFR.

Vaccine- Preventable Diseases

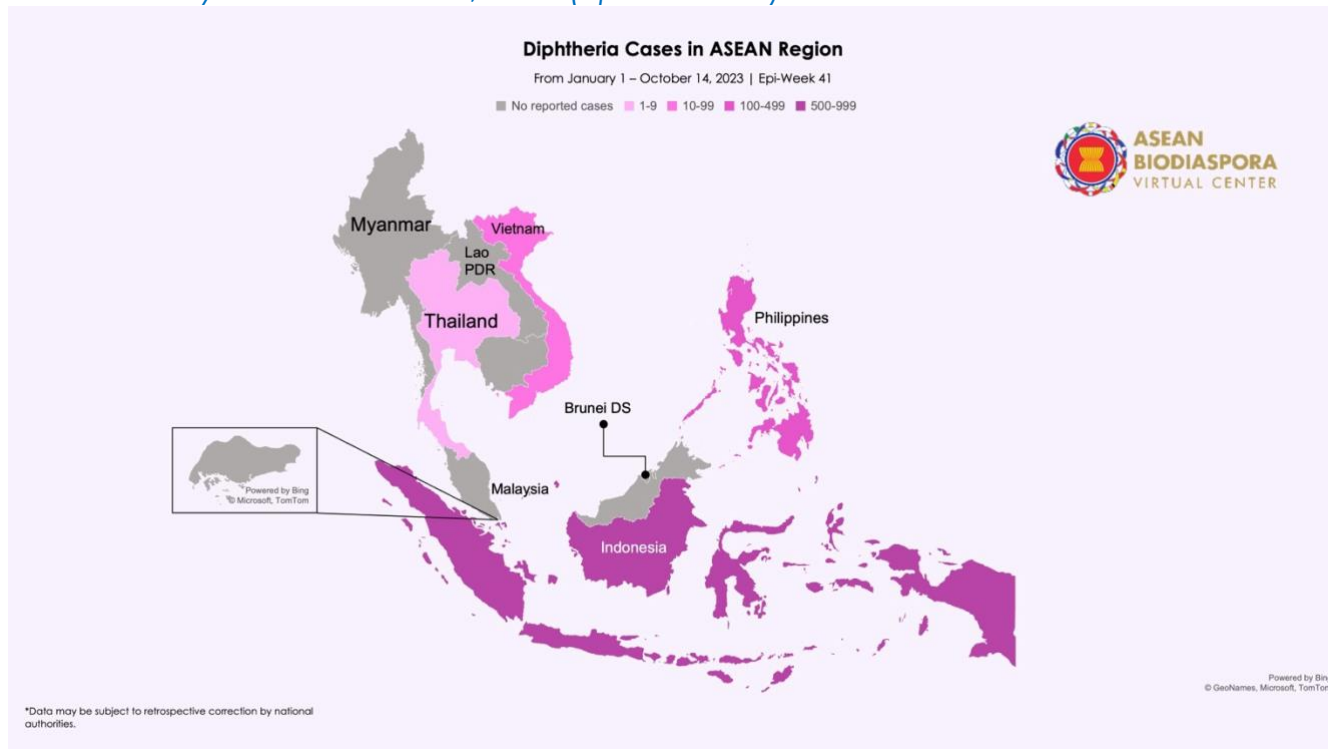


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Diphtheria Cases in the ASEAN Region

From January 1 to October 14, 2023 (Epi-Week 41)



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 39 | 524 | 0 | 29 | 5.53% |
| Lao PDR | - | - | - | - | - |
| Malaysia | - | - | - | - | - |
| Myanmar | - | - | - | - | - |
| Philippines ² | Week 37 | 133 | 16 | 30 | 22,56% |
| Singapore ³ | Week 40 | 0 | 0 | 0 | 0.00% |
| Thailand ⁴ | Week 40 | 5 | 1 | 0 | 0.00% |
| Vietnam ⁵ | Week 38 | 41 | 0 | 3 | 7.32% |
| Total | | 703 | 17 | 62 | 8.82% |

1. Ministry of Health Indonesia
2. Department of Health Website, accessed October 16, 2023 "Statistics," September 16, 2023, <https://doh.gov.ph/statistics>.
3. Ministry of Health Singapore, accessed October 16, 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 16, 2023, <http://doe.moph.go.th/surdata/index.php>
5. BlueDot Developer Portal, accessed October 16, 2023, <https://developer-portal.bluedot.global/>.

- The ASEAN region reported **17** new diphtheria cases in the Philippines and Thailand since the previous report. The region reported **703** total cases and **62** total deaths in 2023 with **8.82%** CFR.



Measles Cases in the ASEAN Region

From January 1 to October 14, 2023 (Epi-Week 41)



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 32 | 3,527 | 0 | 17 | 0.48% |
| Lao PDR | - | - | - | - | - |
| Malaysia | - | - | - | - | - |
| Myanmar | - | - | - | - | - |
| Philippines ² | Week 37 | 1,420 | 241 | 4 | 0.28% |
| Singapore ³ | Week 39 | 6 | 0 | 0 | 0.00% |
| Thailand ⁴ | Week 40 | 253 | 19 | 0 | 0.00% |
| Vietnam | - | - | - | - | - |
| Total | | 5,206 | 260 | 21 | 0.40% |

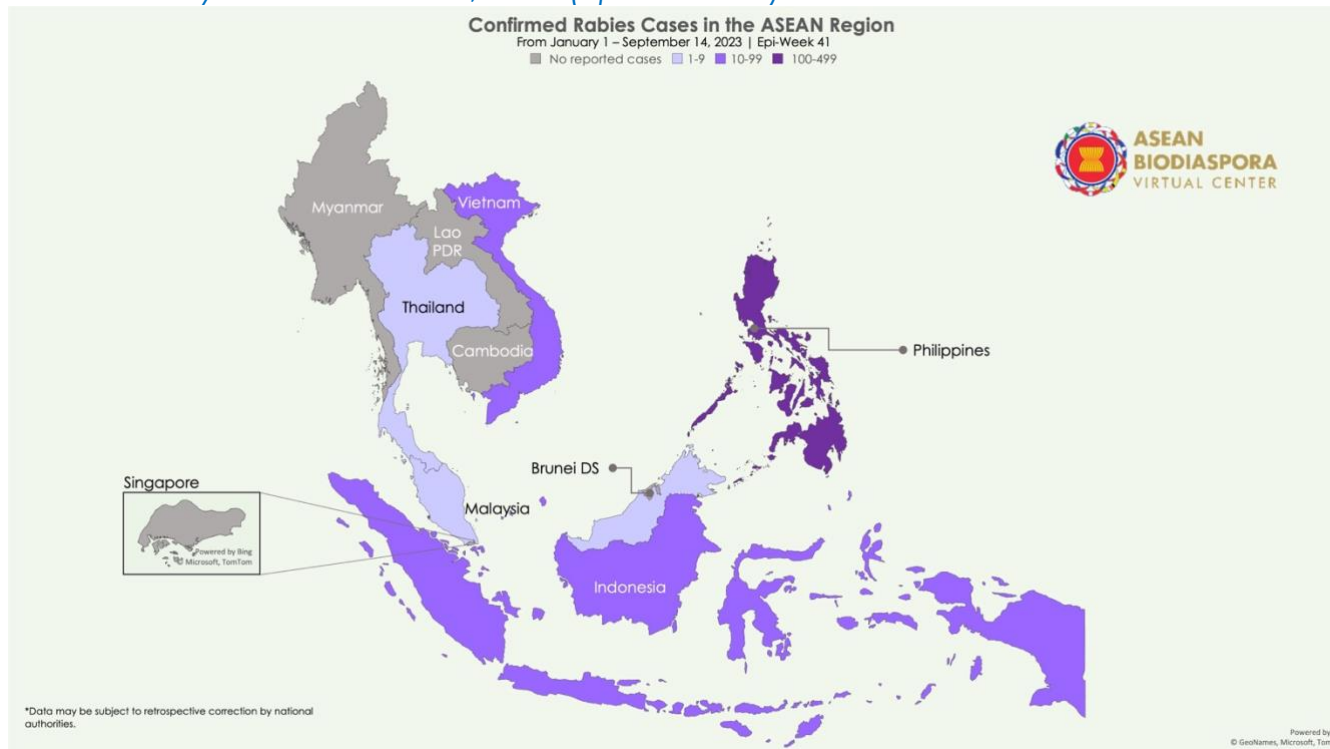
1. Ministry of Health Indonesia
 2. Department of Health Website, accessed October 16, 2023 "Statistics," September 16, 2023, <https://doh.gov.ph/statistics>.
 3. Ministry of Health Singapore, accessed October 16, 2023, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>
 4. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 16, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **260** new measles cases in the Philippines and Thailand since the previous report. The region reported **5,206** total cases and **21** total deaths in 2023 with **0.40%** CFR.



Rabies Cases in the ASEAN Region

From January 1 to October 14, 2023 (Epi-Week 41)



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 37 | 277 | 277 | 277 |
| Singapore | - | - | - | - |
| Thailand³ | Week 40 | 3 | 3 | 3 |
| Vietnam¹ | Week 39 | 64 | 33 | 64 |
| Total | | 683 | 343 | 411 |

1. BlueDot Developer Portal, accessed October 16, 2023, <https://developer-portal.bluedot.global/>.
 2. Department of Health Website, accessed October 16, 2023 "Statistics," September 16, 2023, <https://doh.gov.ph/statistics>.
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 16, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **683** rabies cases, **343** confirmed rabies cases, and **411** rabies-related deaths.



Rabies

- Indonesia:** The death toll from rabies in South Central Timor has increased by one person, bringing the total death toll from animal bites that transmit rabies (GHPR) to seven people (Donovan, 2023). One of Doctor of Secretary of the Flores Lembata rabies committee, urged dog owners and the general public to be responsible and take regular rabies vaccinations. He also reminded the public to avoid dog bites and follow the three steps for first aid: wash the wound, take the victim to the nearest health center or hospital, and get the anti-rabies vaccine or anti-rabies serum. The Anti-Rabies Serum is currently running low, so people are advised to avoid being bitten by dogs. [\[Full article\]](#)
- Philippines:** Central Visayas, Philippines, is experiencing a rise in animal bite cases, with 19 suspected rabies-related deaths being investigated (Erram, 2023). The Department of Health in Central Visayas (DOH-7) reported at least 59,000 cases between January and June. The region has seen a sharp increase in animal bite cases during the COVID-19 pandemic, with 15,195 cases recorded in 2020. In 2021, the number slightly dipped to 8,808 with one confirmed mortality, but in 2022, it rose again to 12,952 with two confirmed deaths. The rise in animal bite cases is attributed to factors such as more people reporting being bitten, raising awareness on rabies prevention, and the growing number of individuals keeping pets. DOH-7 has advised the public, especially those who keep pets, to get themselves and their furry loved ones vaccinated against rabies. Animal Bite Treatment Centers in Rural Health Units and District Hospitals are increasing, demonstrating the awareness of the rabies problem. [\[Full article\]](#)
- Malaysia:** Sarawak has recorded 15 deaths from 17 rabies cases this year, with 100 animals testing positive for the virus (Ling, 2023). The cumulative total human rabies cases now stands at 72, with 65 deaths since July 2017. The highest number of animal rabies cases were detected in Kuching, followed by Padawan, Samarahan, Bintulu, Tebedu, Lundu, Bau, Sibul, Lawas, Marudi, Selangau, Siburan, and Simunjan. The state Veterinary Services Department and Security and Enforcement Unit have intensified anti-rabies vaccination programs, with 36,567 dogs vaccinated so far. [\[Full article\]](#)



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