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Morbidity and Mortality Weekly Report in the ASEAN Region

— Infectious Diseases

October 10, 2023 | MMWR 2023-40
Epidemiological Week 40



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Weekly Issue





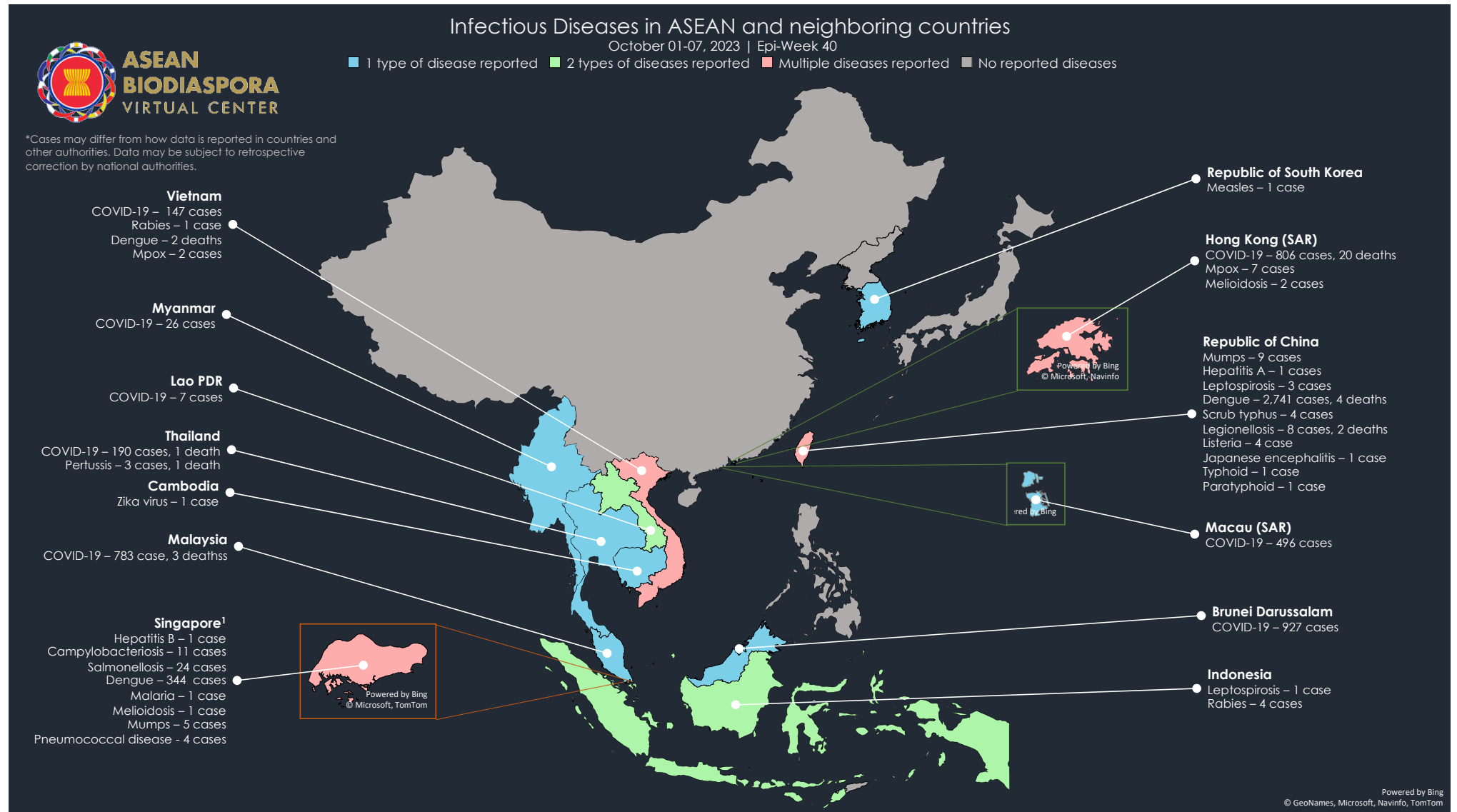
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Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 40 | October 01-07, 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 40 | October 01-07, 2023

Infectious Disease Global Updates

Rabies

- Democratic Republic of Congo:** In Haut-Katanga province, the Democratic Republic of the Congo (DRC) has reported 263 cases of dog bites and 13 deaths in the last 12 months. The health minister, Dr. Joseph Nsambi, and the minister of agriculture, Aerts Kayumba, have emphasized the need for preventive measures. The signs of canine rabies include agitation, depression, and exaltation (Desk, 2023b). Nsambi emphasized that dogs should also receive preventive vaccines, similar to humans, to prevent them from dying from other diseases and becoming harmful to humans (Desk, 2023b). [\[Full article\]](#)

Dengue

- Africa:** Chikungunya has been confirmed in Pouytenga, Burkina Faso, with 89 cases confirmed by the national viral haemorrhagic fever reference laboratory. The disease, which is transmitted through mosquito bites, is a viral disease that has been present in nearly 40 countries since its first outbreak in southern Tanzania in 1952. The patient, a 30-year-old resident, presented with an acute fever, headache, and joint pain. The patient was hospitalized and treated by the LNR-FHV. [\[Full article\]](#)
- Republic of China:** Taiwan has reported 327 confirmed cases of local dengue fever, with a cumulative total of 1,3068 cases. The Taiwan Meteorological Bureau issued a special report on heavy rain for Tainan and other counties, with the possibility of local heavy rain in various districts. Mayor Huang Weizhe emphasized the challenge of epidemic prevention and called for immediate action (Desk, 2023). The Tainan Municipal Government has mobilized efforts to prevent the epidemic and thanked the Central Ministry of Health and Welfare for its assistance. The distribution of cases is spread across various districts, with 327 cases in Nanshi City. [\[Full article\]](#)

Diphtheria

- Nigeria:** The Nigeria Centre for Disease and Prevention Control (NCDC) has urged states affected by diphtheria to launch education campaigns to combat vaccine hesitancy. Diphtheria is a serious bacterial infection caused by the *Corynebacterium* species, affecting the nose, throat, and skin. The most vulnerable are children and adults who have not received the pentavalent vaccine. The NCDC emphasizes the importance of giving diphtheria, tetanus, and pertussis vaccines to children and non-immunised adolescents and adults. Diphtheria infections in Nigeria have increased, with 13,204 suspected cases as of October 3. [\[Full article\]](#)

Measles

- Australia:** New South Wales (NSW) Health has issued an urgent health warning for international flight passengers after a new measles case was reported at Sydney Airport. The infection was acquired by an adult passenger while traveling overseas and landed in Sydney. The Northern Sydney Public Health Unit associate director, Sean Tobin, urged those susceptible to measles to monitor symptoms until October 20. The highly contagious airborne disease can lead to severe complications and death. NSW Health has issued six measles alerts this year, with eight confirmed contagious cases. [\[Full article\]](#)

Vector-Borne Diseases

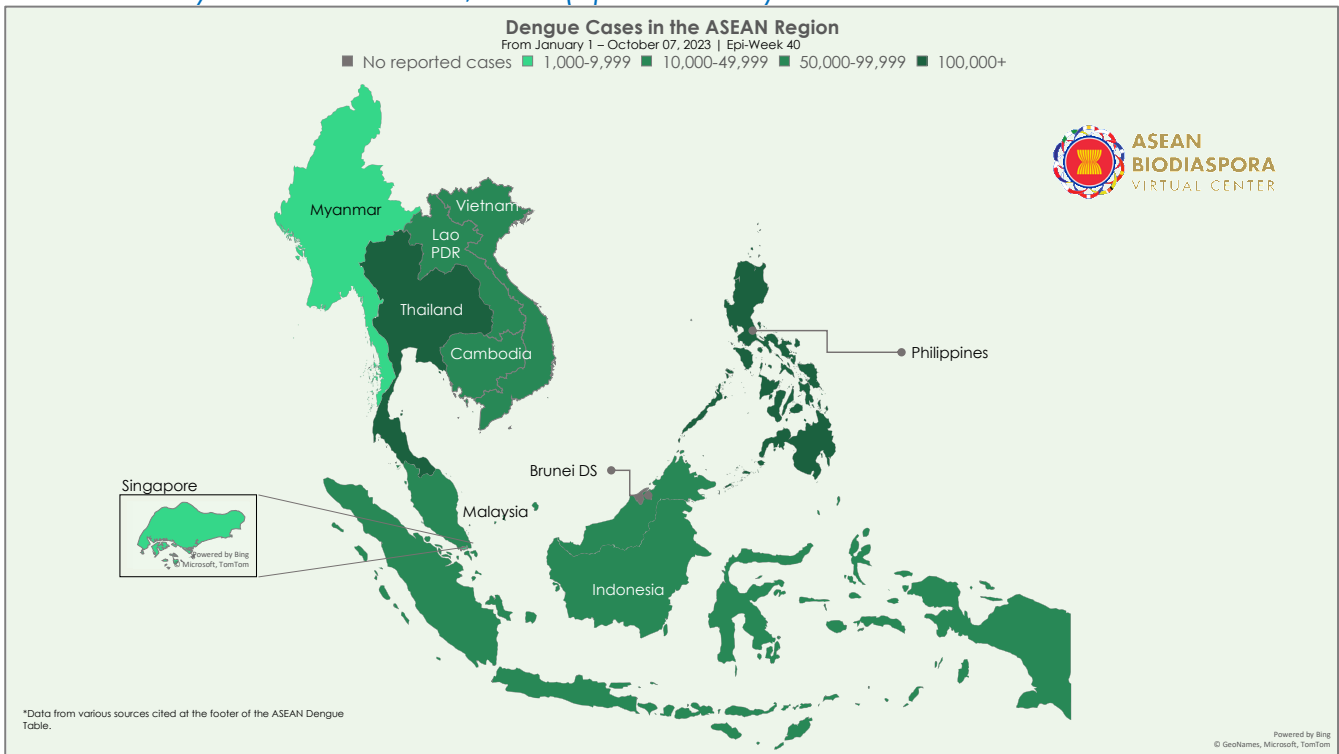


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Dengue Cases in the ASEAN Region

From January 1 to October 07, 2023 (Epi-Week 40)



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	-	-	-	-	-	-
Cambodia ⁴	Week 30	11,824	0	32	0	0.27%
Indonesia ⁵	Week 38	66,849	0	482	0	0.72%
Lao PDR ⁴	Week 31	16,413	0	12	0	0.07%
Malaysia ⁷	Week 40	92,163	2,410	62	0	0.07%
Myanmar ¹	Week 28	6,685	0	30	0	0.45%
Philippines ²	Week 34	111,813	0	421	0	0.38%
Singapore ³	Week 40	7,623	563	0	0	0.00%
Thailand ⁶	Week 40	106,548	4,346	101	3	0.09%
Vietnam ⁴	Week 31	57,698	0	14	0	0.02%
Total		477,616	7,319	1,154	3	0.24%

1. BlueDot Developer Portal, accessed October 9, 2023, <https://developer-portal.blue-dot.global/>.
 2. Department of Health Website, accessed October 9, 2023 "Statistics," August 26, 2023, <https://doh.gov.ph/statistics>.
 3. National Environment Agency (NEA), accessed October 9, 2023. Dengue cases, September 30, 2023, <https://www.nea.gov.sg/dengue-zika/dengue/dengue-cases>.
 4. WHO WPRO, "Dengue," World Health Organization, accessed October 9, 2023, <https://www.who.int/westernpacific/emergencies/surveillance/dengue>.
 5. Ministry of Health Indonesia
 6. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 9, 2023, <http://doe.moph.go.th/surdata/index.php>
 7. Disease Control Division, Ministry of Health Malaysia, accessed October 9, 2023. iDengue, <https://idengue.mvsa.gov.my/did/>
- *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 **7,319** new dengue cases and **3** new deaths in Malaysia, Singapore, and Thailand since the previous report. The region reported **477,616** total cases and **1,154** total deaths in 2023 with **0.24%** CFR.



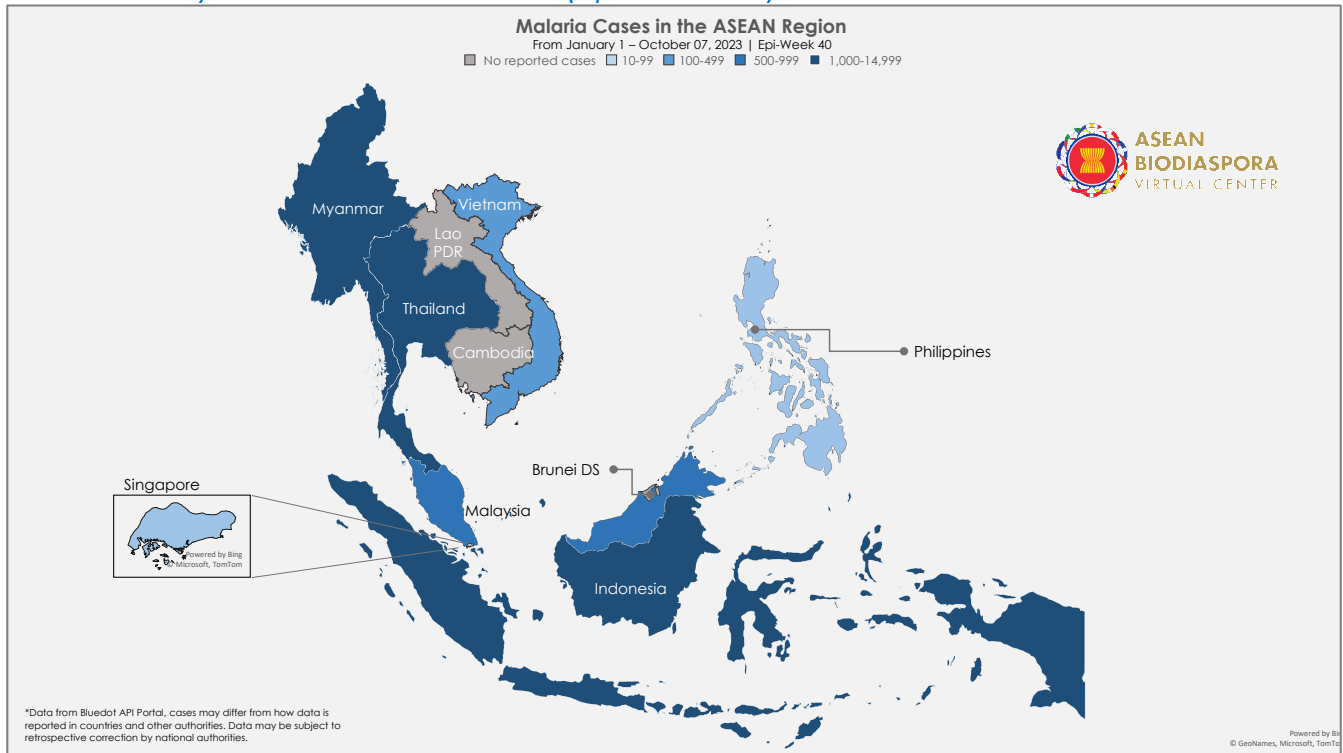
Dengue

- **Malaysia:** Dengue fever cases in Perak increased by 224.6% from January to September this year, according to State Human Resources, Health, Indian Community Affairs and National Integration Committee chairman A. Sivanesan. The 39th epidemiological week saw 75 cases, with Kampung Tersusun Batu 5 in Kinta district having 23 cases and Block A of the Royal Malaysian Navy Base in Manjung district having 10. Sivanesan also noted five areas in the state had moderate air pollutant index readings. [[Full article](#)]
- **Cambodia:** recorded 21,568 cases of dengue fever in the first nine months of 2023, an 184% increase from the previous year. The disease killed 38 people between January and September, compared to 14 deaths in the same period last year. Provincial health departments provided households with Abate and sprayed insecticide to kill mosquitoes. The disease, transmitted by the bite of an Aedes mosquito, causes acute symptoms like headache, high fever, exhaustion, and severe pain. [[Full article](#)]
- **Indonesia:** Hundreds of Dengue Hemorrhagic Fever (DHF) cases occurred in South Lampung and Tanggamus Regencies from January to September 2023. In South Lampung, 124 cases were recorded, with the most cases occurring in March. To reduce the spread of DHF, South Lampung Health Office is conducting outreach to the community and advising the community to keep the environment clean. Mosquito nest eradication is also advised, including draining water reservoirs, recycling used materials, and using mosquito nets. In Tanggamus, 104 cases were reported, with one patient died due to treatment being too late. Head of Disease Control in Tanggamus advised people with a fever for three days to immediately seek medical attention. The most cases occurred in Kota Agung District with 22 cases. However, some areas in Tanggamus have zero dengue fever to date. [[Full article](#)]
- **Vietnam:** has reported 93,814 cases of dengue fever, with 26 deaths since the start of the year. The number of infections decreased by 58.9% compared to last year, while deaths fell by 91 cases. However, the capital of Hanoi has seen a rapid increase in dengue infections, with over 15,300 people infected this year, three times higher than last year. The outbreak is in line with the region's general epidemiological trend, with cases peaking in September and October. Localities are urged to improve environmental sanitation, kill larvae in high-risk areas, and launch communication campaigns to equip people with prevention measures. [[Full article](#)]



Malaria Cases in the ASEAN Region

From January 1 to October 07, 2023 (Epi-Week 40)



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 30	1,056	0	0	0.00%
Lao PDR	-	-	-	-	-
Malaysia¹	Week 39	1,081	215	0	0.00%
Myanmar¹	Week 23	4,510	0	0	0.00%
Philippines¹	Week 28	31	0	0	0.00%
Singapore³	Week 39	17	1	0	0.00%
Thailand²	Week 40	4,337	52	3	0.07%
Vietnam¹	Week 30	146	0	0	0.00%
Total		11,178	268	3	0.03%

1. BlueDot Developer Portal, accessed October 9, 2023, <https://developer-portal.bluedot.global/>.
 2. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 9, 2023, <http://doe.moph.go.th/surdata/index.php>
 3. Ministry of Health Singapore, accessed October 9, 2023, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The ASEAN region reported **268** new malaria cases in Malaysia, Singapore, and Thailand since the previous report. The region reported **11,178** total cases and **3** total deaths in 2023 with **0.03%** CFR.

Vaccine- Preventable Diseases

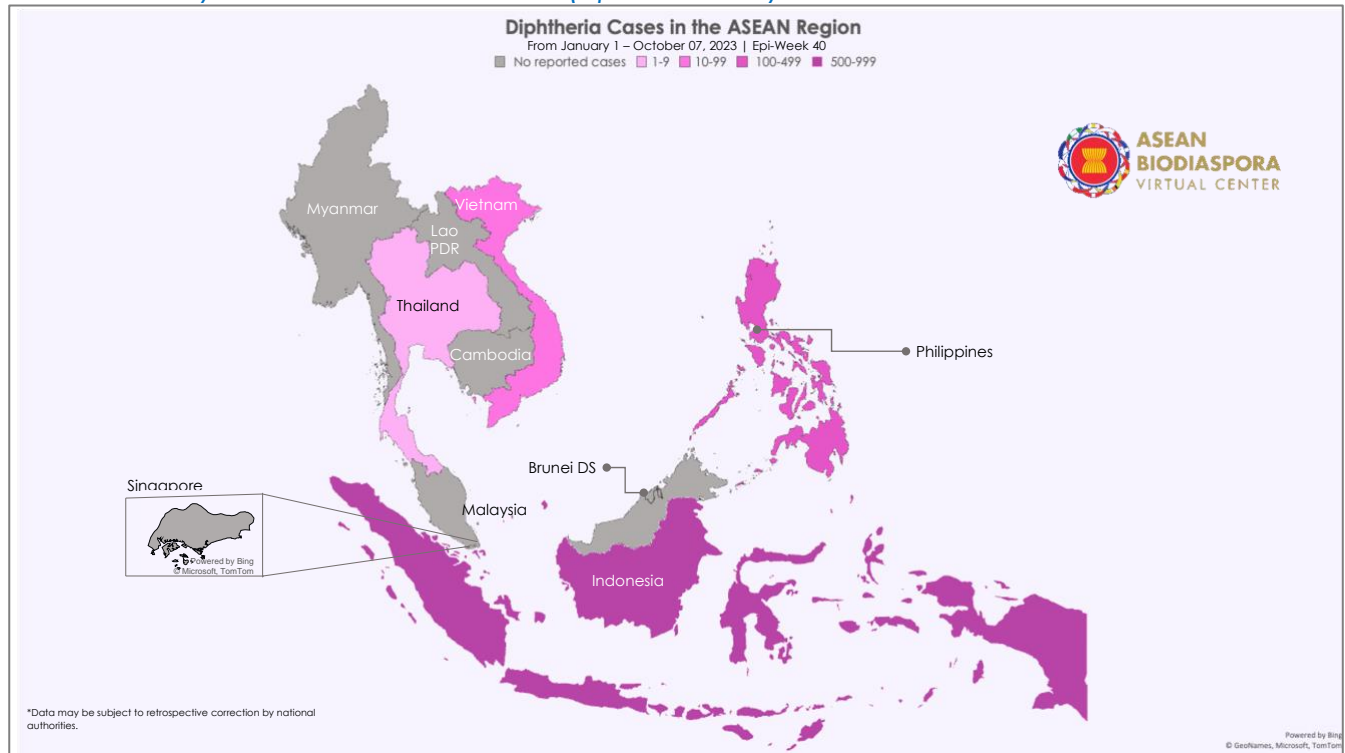


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Diphtheria Cases in the ASEAN Region

From January 1 to October 07, 2023 (Epi-Week 40)



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 ³	Week 39	524	108	29	7.44%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ²	Week 34	117	4	25	21,37%
Singapore ⁴	Week 38	0	0	0	0.00%
Thailand ⁵	Week 39	4	0	0	0.00%
Vietnam ¹	Week 38	41	0	3	7.32%
Total		676	102	67	9.91%

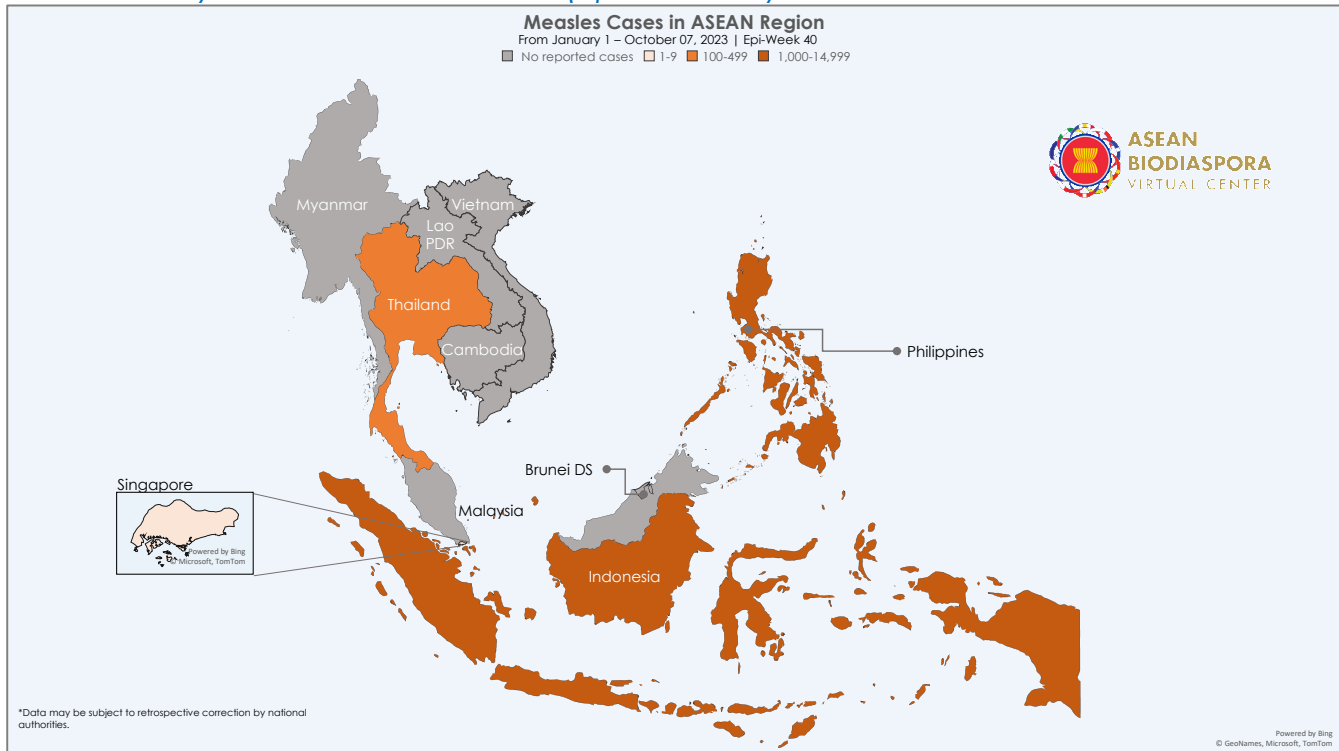
1. BlueDot Developer Portal, accessed October 9, 2023, <https://developer-portal.blue-dot.global/>.
2. Department of Health Website, accessed October 9, 2023 "Statistics," August 26, 2023, <https://doh.gov.ph/statistics>.
3. Ministry of Health Indonesia
4. Ministry of Health Singapore, accessed October 9, 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 October 9, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **NO** new diphtheria cases since the previous report. The region reported **676** total cases and **67** total deaths in 2023 with **9.91%** CFR.



Measles Cases in the ASEAN Region

From January 1 to October 07, 2023 (Epi-Week 40)



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 ²	Week 32	3,527	0	17	0.48%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines ¹	Week 34	1,179	0	4	0.34%
Singapore ⁴	Week 39	6	0	0	0.00%
Thailand ³	Week 40	234	2	0	0.00%
Vietnam	-	-	-	-	-
Total		4,946	2	21	0.42%

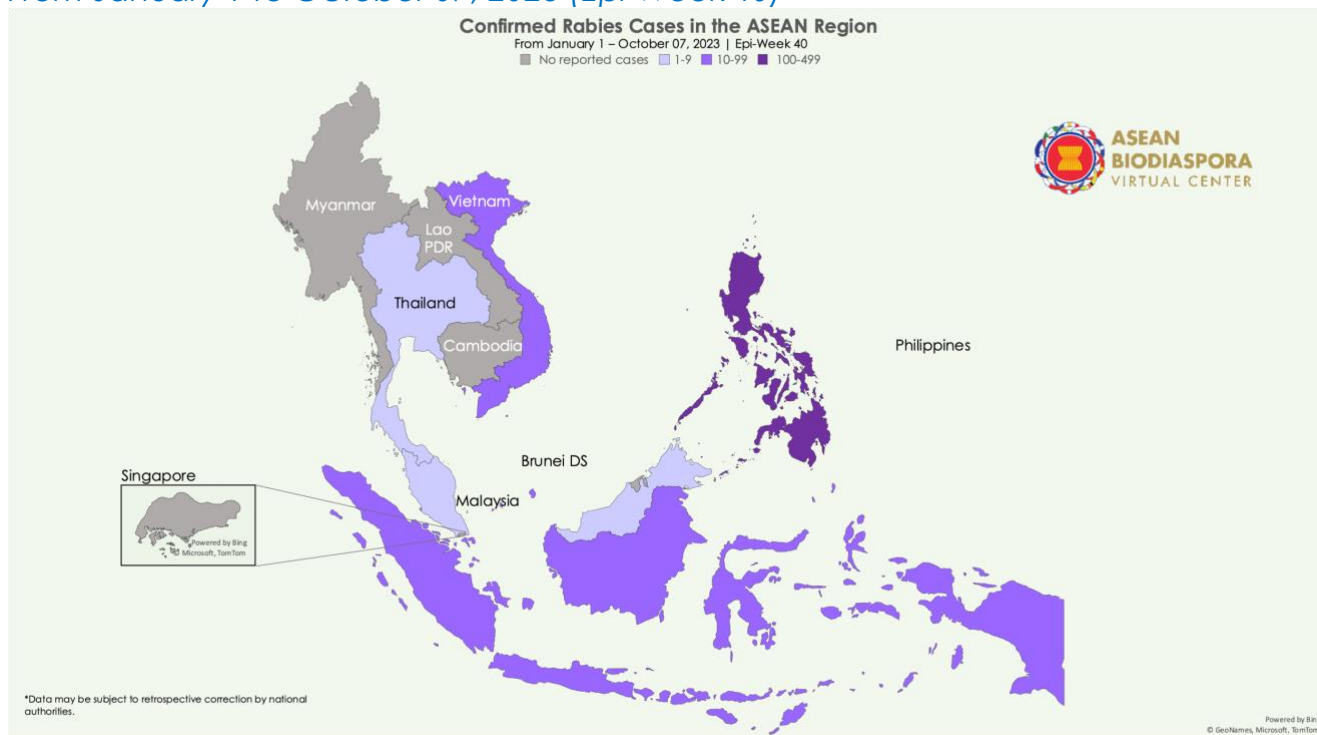
1. Department of Health Website, accessed October 9, 2023 "Statistics," August 26, 2023, <https://doh.gov.ph/statistics>.
2. Ministry of Health Indonesia
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 9, 2023, <http://doe.moph.go.th/surdata/index.php>
4. Ministry of Health Singapore, accessed October 9, 2023, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The ASEAN region reported **2** new measles cases in Thailand since the previous report. The region reported **4,946** total cases and **21** total deaths in 2023 with **0.42%** CFR.



Rabies Cases in the ASEAN Region

From January 1 to October 07, 2023 (Epi-Week 40)



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 40	318	21	47
Lao PDR	-	-	-	-
Malaysia ¹	Week 38	21	9	19
Myanmar	-	-	-	-
Philippines ²	Week 34	247	247	247
Singapore	-	-	-	-
Thailand ³	Week 40	3	3	3
Vietnam ¹	Week 39	64	33	64
Total		653	313	380

1. BlueDot Developer Portal, accessed October 9, 2023, <https://developer-portal.bluedot.global/>.
 2. Department of Health Website, accessed October 9, 2023 "Statistics," August 26, 2023, <https://doh.gov.ph/statistics>.
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 9, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **653** rabies cases, **313** confirmed rabies cases, and **380** rabies-related deaths.



Rabies

- **Philippines:** The Department of Agriculture in Central Luzon reported fewer rabies cases in humans and animals since January 2023. Human rabies cases were only 32 in the first half of 2023, compared to 45 in 2022. Bulacan had the highest number of human rabies cases, followed by Nueva Ecija, Zambales, Pampanga, Bataan, and Aurora. Animal rabies cases were 253, with 97% of positive cases being dogs. The health agency encourages responsible pet ownership and community health education. [[Full article](#)]
- **Indonesia:** Six residents in Abang District, Karangasem were bitten by rabid dogs, with four of the affected residents being from Kesimpar Village and two from Abang Kaler Hamlet. The dog was found to be indiscriminately biting every resident who passed by. The dog also bit three people. The bite case was reported on September 26, and a vaccine sweep was conducted the same day. [[Full article](#)]



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