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# Morbidity and Mortality Weekly Report in the ASEAN Region

— Infectious Diseases

October 24, 2023 | MMWR 2023-42  
Epidemiological Week 42



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Weekly Issue





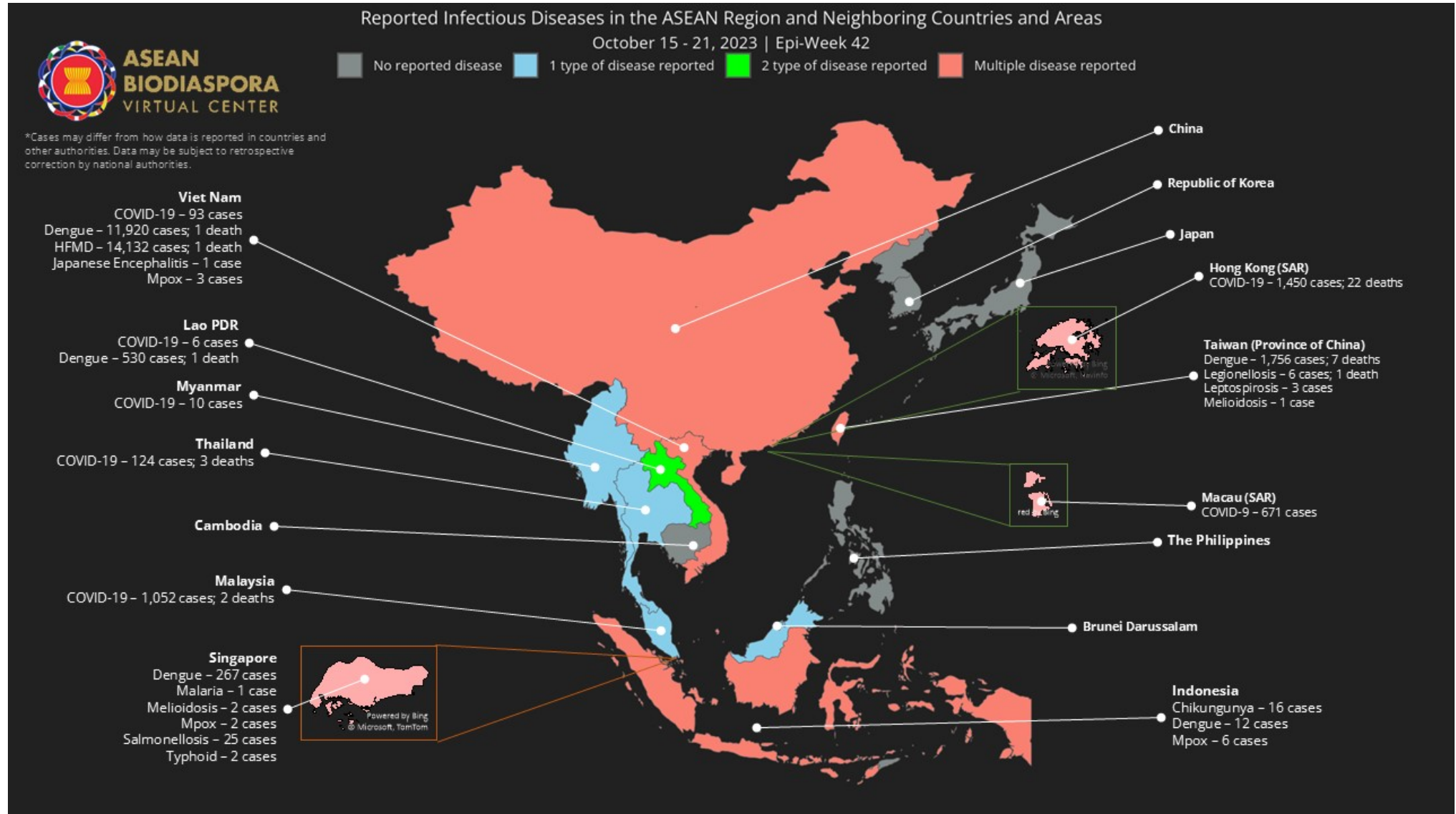
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# Reported Infectious Diseases in the ASEAN Region and Neighboring Countries

Epidemiological Week 42 | October 15-21, 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 42 | October 15-21, 2023

### Infectious Disease Global Updates

#### Rabies

- **Peru:** The Ministry of Health in Arequipa has ruled out a second case of human rabies, involving a 47-year-old woman (TVPeru, 2023). The woman tested negative for the disease after molecular tests by the National Institute of Health. The Ministry of Health assures the woman that she will continue receiving medical attention and is committed to providing timely diagnosis and strengthening canine immunization actions. [[Full article](#)]

#### Dengue

- **Bangladesh:** The Bangladeshi government reported a total of 1,246 dengue cases and 252,990 hospital admissions this year, with the highest number of fatalities in a single day on 20 September (The Business Standard, 2023). The country has released 2,43,630 patients from hospitals, with 8,114 patients, including 2,341 in Dhaka, now receiving treatment. The highest number of dengue cases is in Dhaka and Chattogram divisions. The country recorded 281 dengue deaths in 2022 and 179 deaths in 2019. The DGHS recorded 62,423 dengue cases and 61,971 recoveries last year. [[Full article](#)]
- **Burkina Faso's** health ministry has declared a dengue fever epidemic, with over 200 deaths and rising cases. The disease kills an estimated 20,000 people annually, with rates increasing eight-fold since 2000 due to climate change, urbanization, and increased movement (Miridzhanian, 2023). The World Health Organization warns that warmer temperatures could make the disease a major threat in new parts of Africa. Burkina Faso's outbreak is dwarfing other African outbreaks, with the health ministry providing free diagnostic tests and organizing insecticide spraying to counter the spread. [[Full article](#)]
- **India:** A survey by Local Circles has revealed a surge in dengue cases across India, with over 20 states reporting between 1,000 and 10,000 cases this year (Prasad, 2023). The National Centre for Vector-Borne Disease Control reported 94,198 cases until September 17, with West Bengal reporting the highest case-burden of October. The survey also found that several states have reported a surge in dengue cases, particularly during the monsoon and post-monsoon season. The survey found that 28% of respondents had someone in their family who had fallen ill due to mosquito-borne diseases in the last three years. However, 73% of respondents said anti-mosquito fogging had not been done in their areas by their municipal corporation or civic body 45 days prior to the survey. This increases household expenditure on mosquito control, with 43% of households spending Rs 200 or more each month on liquid repellents or sprays. [[Full article](#)]
- **Russia's** Rospotrebnadzor reported a rise in dengue fever cases from January to August 2023, with two adults diagnosed in Bashkiria and one in 2022 (UfaTime.ru, 2023). The Volga Federal District saw two cases in Saratov, while Samara, Kirov, and Tatarstan recorded isolated cases. In total, 103 cases were registered in Russia this year, 8.5 times more than the previous year. The disease is not transmitted from person to person but is carried by tropical blood-sucking insects. Symptoms include high body temperature, severe headache, muscle and joint pain, nausea, vomiting, rash, and swollen lymph nodes. [[Full article](#)]
- **USA:** Florida health officials are concerned about a surge in locally acquired dengue infections, with 15 confirmed cases in a week (Tropics Institute, 2023). The CDC reports 1,289 cases in 48 US jurisdictions in 2023, with 62% of cases in Florida attributed to Cuban visitors. The Aedes mosquito transmits dengue fever. [[Full article](#)]



## Measles

- **France** is experiencing a measles epidemic, with 59 cases diagnosed between September 19 and October 17, mainly among middle school students (Barnéoud, 2023). The situation could worsen due to the highly contagious nature of the virus. Despite 95% of college students receiving the necessary vaccinations, 100% of unvaccinated people caught measles, resulting in 11 cases. Vaccinated individuals represent 74% of reported cases, a high rate compared to previous epidemics where 75% to 95% of contagions occurred in insufficiently vaccinated individuals. [[Full article](#)]
- **Kyrgyzstan:** Since the start of the year, 2,842 people in Kyrgyzstan have been ill with measles, with the majority being children under four (Bishkek, 2023). The Ministry of Health reports that after a supplementary immunization campaign and increased coverage in Osh and the Osh region, infection transmission has decreased. However, the situation remains tense in Bishkek and Chui due to low coverage. The Ministry of Health has sent sanitary instructions to prevent unvaccinated children from entering organized groups. [[Full article](#)]
- **Russia:** The Chelyabinsk region is facing an unfavorable measles incidence, with 161 suspected cases registered since the start of the year, with 93 confirmed cases (Interfax-Russia, 2023). Most cases are imported or due to contact with sick visitors. Tatyana Sofeikova, deputy head of the epidemiological surveillance department of the Regional Office of Rospotrebnadzor, stated that the situation is unfavorable, with about 15,000 people observed in outbreaks in contact with the disease this year, of which 6 thousand were subject to vaccination. Denis Korshunov, head of the department of prevention and socially significant diseases of the regional Ministry of Health, stated that all medical institutions are provided with a mono-vaccine against measles to stop outbreaks. [[Full article](#)]
- **USA:** Illinois has reported its first measles case since 2019, emphasizing the need for vaccination. The CDC warns against travel, while Cook County Department of Public Health investigates potential exposure locations, as measles is highly contagious. [[Full article](#)]

## Diphtheria

- The **Nigeria** Centre for Disease and Prevention Control (NCDC) reported 15,060 suspected cases of diphtheria, with 9,478 confirmed cases across 137 Local Government Areas in 20 states (Daily Trust, 2023). The majority of confirmed cases were aged between 1-14 years, with 59.8% being unvaccinated or partially vaccinated. The NCDC has deployed National Rapid Response Teams, conducted laboratory testing, and provided training and technical support. [[Full article](#)]

## Malaria

- **USA:** The Tripler Army Medical Center has admitted and released a patient with malaria after successful treatment (Star Advertiser, 2023). The patient developed symptoms after leisure travel outside the U.S., and the disease is transmitted via mosquitoes, not through person-to-person contact. The risk of malaria in the U.S. is low, with most cases in people traveling to areas where it spreads. Hawaii's health department considers the risk low, but cases have been reported after arrival. [[Full article](#)]

# Vector-Borne Diseases



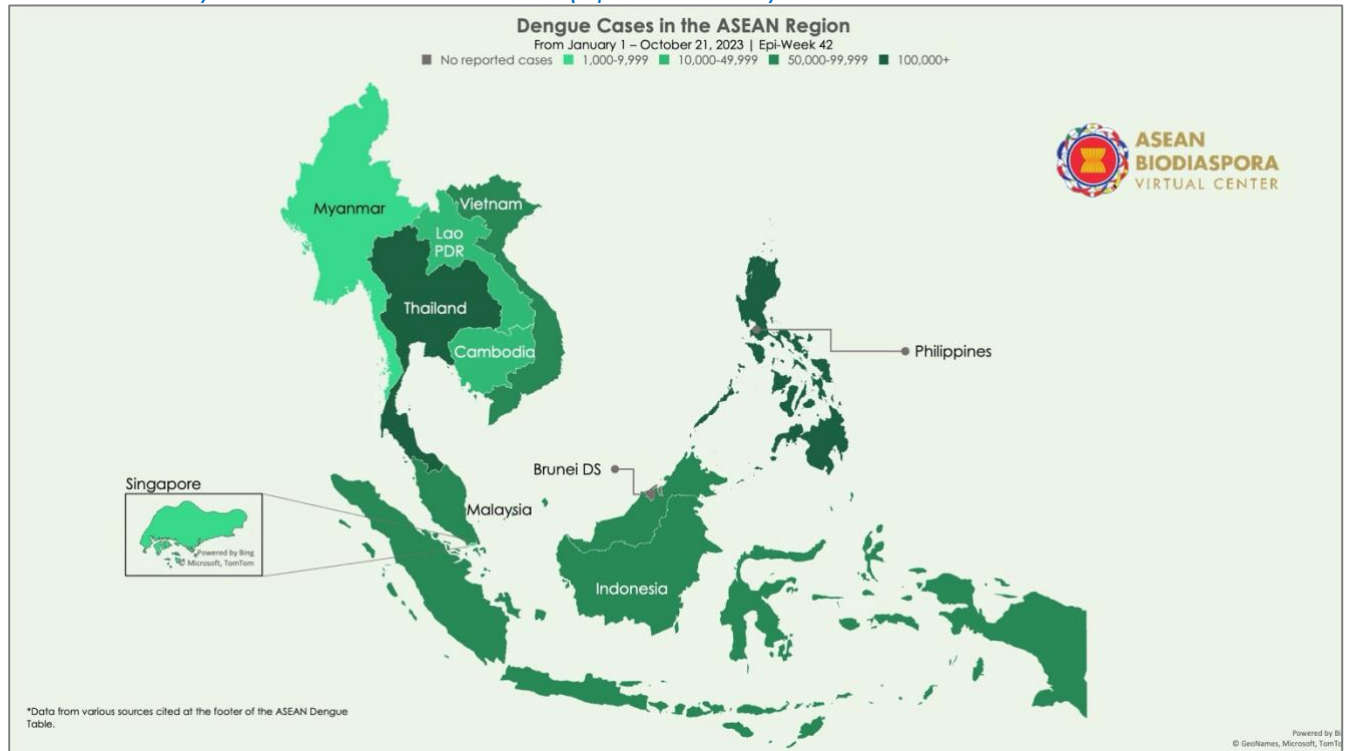
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## Dengue Cases in the ASEAN Region

From January 1 to October 21, 2023 (Epi-Week 42)



### 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)
<b>Brunei Darussalam</b>	-	-	-	-	-	-
<b>Cambodia<sup>4</sup></b>	Week 36	20,327	0	37	0	0.18%
<b>Indonesia<sup>5</sup></b>	Week 40	68,996	0	498	0	0.72%
<b>Lao PDR<sup>4</sup></b>	Week 37	24,556	0	12	0	0.05%
<b>Malaysia<sup>7</sup></b>	Week 42	96,698	2,256	73	6	0.07%
<b>Myanmar<sup>1</sup></b>	Week 28	6,685	0	30	0	0.45%
<b>Philippines<sup>2</sup></b>	Week 39	144,464	6,885	487	66	0.34%
<b>Singapore<sup>3</sup></b>	Week 42	7,884	164	0	0	0.00%
<b>Thailand<sup>6</sup></b>	Week 41	115,028	8,480	119	18	0.10%
<b>Vietnam<sup>4</sup></b>	Week 37	87,719	0	24	0	0.03%
<b>Total</b>		<b>572,357</b>	<b>17,785</b>	<b>1,280</b>	<b>90</b>	<b>0.22%</b>

1. BlueDot Developer Portal, accessed October 23, 2023, <https://developer-portal.bluedot.global/>.  
 2. Department of Health Website, accessed October 23, 2023 "Statistics," September 16, 2023, <https://doh.gov.ph/statistics>.  
 3. National Environment Agency (NEA), accessed October 23, 2023. Dengue cases, <https://www.nea.gov.sg/dengue-zika/dengue/dengue-cases>.  
 4. WHO WPRO, "Dengue," World Health Organization, accessed October 23, 2023, <https://www.who.int/westpacific/emergencies/surveillance/dengue>.  
 5. Ministry of Health Indonesia  
 6. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 23, 2023, <http://doe.moph.go.th/surdata/index.php>  
 7. Disease Control Division, Ministry of Health Malaysia, accessed October 23, 2023. iDengue, <https://idengue.mysa.gov.my/ciid/>  
 \*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 **17,785** new dengue cases in Malaysia, the Philippines, Singapore, and Thailand and **90** new dengue-related deaths in Malaysia, the Philippines, and Thailand since the previous report. The region reported **572,357** total cases and **1,280** total deaths in 2023 with **0.22%** CFR.



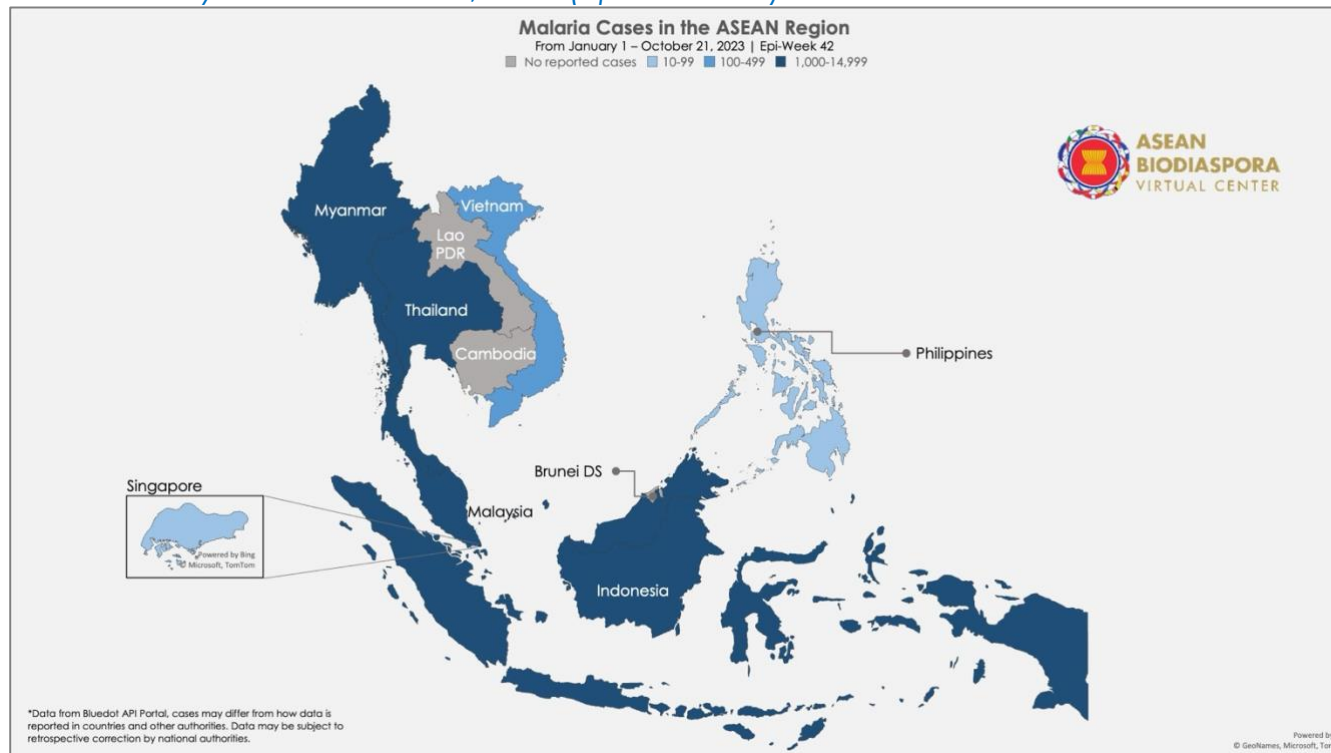
## Dengue

- Indonesia:** In October 2023, Indonesia experienced 68,996 cases of dengue hemorrhagic fever (DBD) and 498 deaths, with an incident rate of 25.10/100,000 population and a case fatality rate of 0.72% (Dinisari, 2023). The virus is transmitted through the *Aedes aegypti* mosquito vector, and early detection and control of mosquito reproduction are crucial for managing and preventing the disease. The government is waiting for recommendations from the Indonesia Technical Advisory Group of Immunization (ITAGI) to make dengue vaccination mandatory for the Indonesian population. [\[Full article\]](#)
- Lao PDR:** The Lao Ministry of Health reported one new dengue fatality in Laos, bringing the total to 18 (The Sun Daily, 2023). The latest fatality was a seven-year-old boy from Vientiane province. The country has recorded 30,853 cases this year, with the highest number in Oudomxay province. Health officials urge continued compliance with prevention measures and pledge to develop medical professionals' capacity to provide better healthcare services. [\[Full article\]](#)
- Malaysia:** Johor has seen a 221% increase in cumulative dengue cases in epidemiology week 41 (ME41), with 8,233 cases recorded compared to 2,648 in 2022 (Musa, 2023). The state health and unity committee chairman, Ling Tian Soon, reported that 4,882 cases were epidemic localities, while 3,351 were from the epidemic locality. The highest number of cases was recorded in Johor Baru district, with 179 cases. The number of deaths from ME01 to ME41 was 15 compared to 2022. [\[Full article\]](#)
- Philippines:** The Provincial Health Office (PHO) reported 689 dengue cases in Capiz province this year, a 15.77% decrease from the 818 reported in 2022 (Panay News, 2023). The disease, a mosquito-borne illness, is causing high fever, severe headache, joint and muscle pain, and rash. Ten barangays have reported clustering cases. The PHO is promoting preventive measures, including eliminating breeding grounds and using mosquito repellents. Maintaining cleanliness and seeking medical help are also crucial. [\[Full article\]](#)
- Singapore:** The National Environment Agency (NEA) has called for urgent action to control mosquito breeding to prevent a surge in dengue cases (Siang, 2023). The agency reported a weekly increase in dengue cases, reaching a high of over 300 in the last three weeks of September. There are currently 49 dengue clusters in Singapore, with nine being large clusters with 10 or more cases. NEA is working closely with grassroots advisers and community volunteers to advise residents on dengue prevention efforts. As the year-end holiday season approaches, NEA urges good housekeeping, mosquito-proofing, and vigilance against the continuing dengue threat. [\[Full article\]](#)
- Vietnam** has reported 99,639 dengue fever cases and 27 deaths since the start of the year, with a decrease in new cases over the past week (The Star, 2023). However, Hanoi's infection rate has increased sharply since September 2023, with 2,500-2,600 cases per week. This increase is attributed to complicated weather in the north, accelerating the mosquito cycle. [\[Full article\]](#)



## Malaria Cases in the ASEAN Region

From January 1 to October 21, 2023 (Epi-Week 42)



### 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 <sup>1</sup>	Week 42	1,373	26	0	0.00%
Lao PDR	-	-	-	-	-
Malaysia <sup>1</sup>	Week 39	1,081	0	0	0.00%
Myanmar <sup>1</sup>	Week 23	4,510	0	0	0.00%
Philippines <sup>1</sup>	Week 28	31	0	0	0.00%
Singapore <sup>3</sup>	Week 40	18	0	0	0.00%
Thailand <sup>2</sup>	Week 41	4,534	57	3	0.07%
Vietnam <sup>1</sup>	Week 42	349	17	0	0.00%
<b>Total</b>		<b>11,896</b>	<b>100</b>	<b>3</b>	<b>0.03%</b>

1. BlueDot Developer Portal, accessed October 23, 2023, <https://developer-portal.bluedot.global/>.
2. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 23, 2023, <http://doe.moph.go.th/surdata/index.php>
3. Ministry of Health Singapore, accessed October 23, 2023, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The ASEAN region reported **100** new malaria cases in Indonesia, Thailand, and Vietnam since the previous report. The region reported **11,896** total cases and **3** total deaths in 2023 with **0.03%** CFR.

# Vaccine- Preventable Diseases

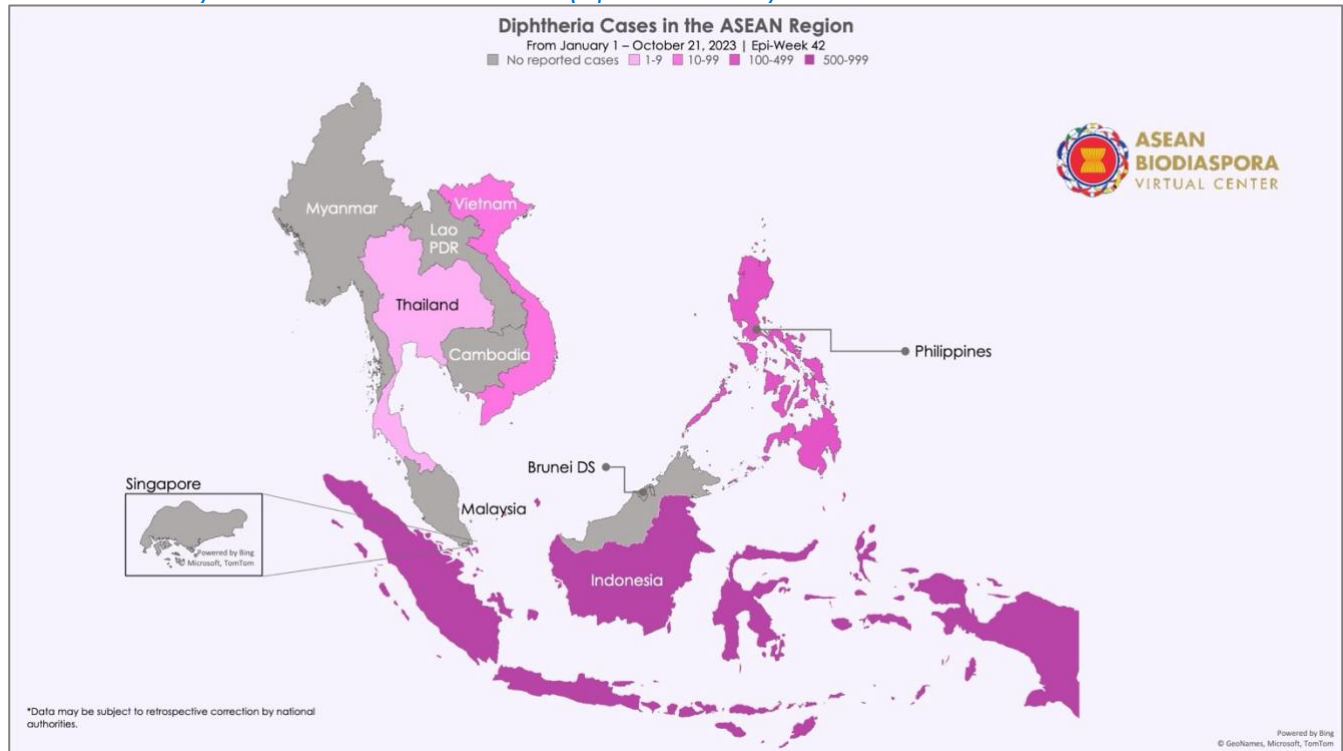


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## Diphtheria Cases in the ASEAN Region

From January 1 to October 21, 2023 (Epi-Week 42)



### 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 <sup>3</sup>	Week 40	632	108	29	4.59%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines <sup>2</sup>	Week 39	148	15	32	21.62%
Singapore <sup>4</sup>	Week 41	0	0	0	0.00%
Thailand <sup>5</sup>	Week 41	5	0	0	0.00%
Vietnam <sup>1</sup>	Week 38	41	0	3	7.32%
<b>Total</b>		<b>826</b>	<b>123</b>	<b>64</b>	<b>7.75%</b>

1. BlueDot Developer Portal, accessed October 23, 2023, <https://developer-portal.bluedot.global/>.
2. Department of Health Website, accessed October 23, 2023 "Statistics," September 16, 2023, <https://doh.gov.ph/statistics>.
3. Ministry of Health Indonesia
4. Ministry of Health Singapore, accessed October 23, 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 23, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **123** new diphtheria cases in Indonesia and the Philippines since the previous report. The region reported **826** total cases and **64** total deaths in 2023 with **7.75%** CFR.



## Measles Cases in the ASEAN Region

From January 1 to October 21, 2023 (Epi-Week 42)



### 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 <sup>2</sup>	Week 41	7,018	387	17	0.24%
Lao PDR	-	-	-	-	-
Malaysia	-	-	-	-	-
Myanmar	-	-	-	-	-
Philippines <sup>1</sup>	Week 39	1,627	207	5	0.28%
Singapore <sup>4</sup>	Week 39	6	0	0	0.00%
Thailand <sup>3</sup>	Week 41	269	16	0	0.00%
Vietnam	-	-	-	-	-
<b>Total</b>		<b>8,920</b>	<b>610</b>	<b>22</b>	<b>0.25%</b>

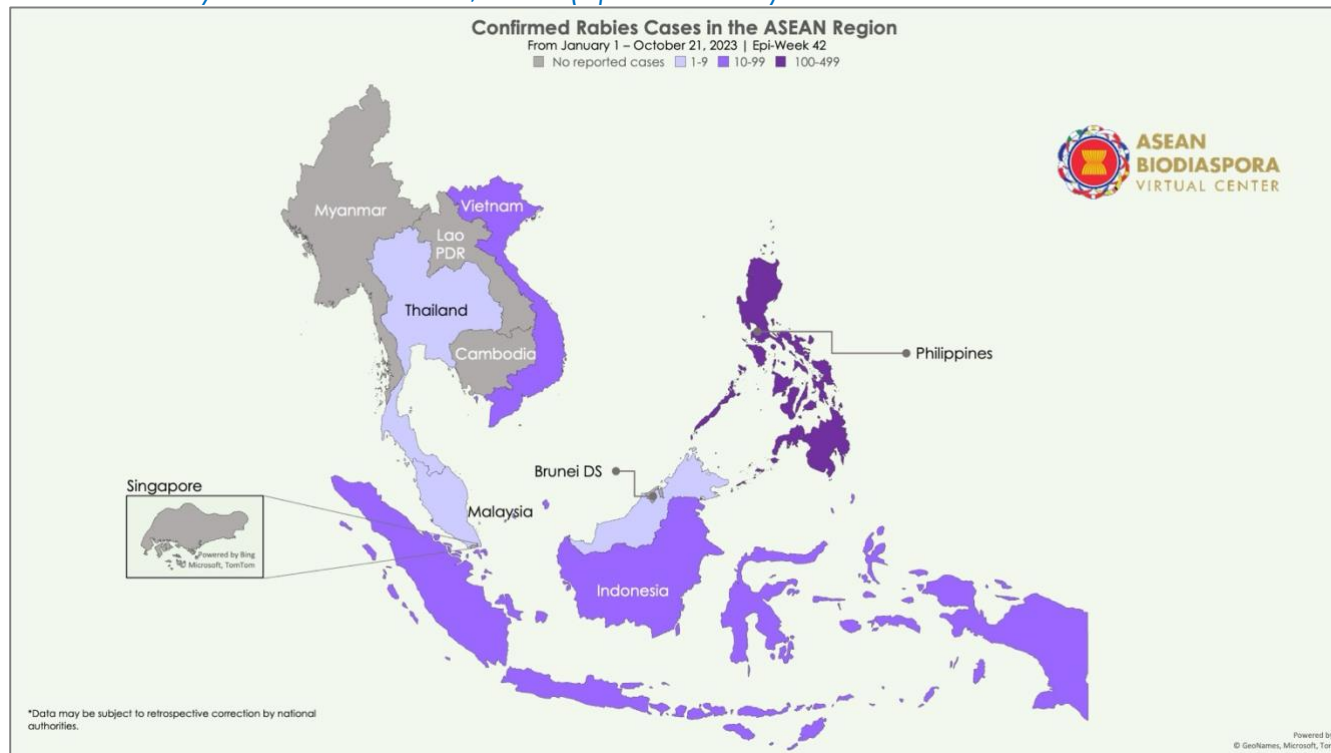
1. Department of Health Website, accessed October 23, 2023 "Statistics," <https://doh.gov.ph/statistics>.
2. Ministry of Health Indonesia
3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 23, 2023, <http://doe.moph.go.th/surdata/index.php>
4. Ministry of Health Singapore, accessed October 23, 2023, <https://www.moh.gov.sg/resources-statistics/infectious-disease-statistics/2023/weekly-infectious-diseases-bulletin>

- The ASEAN region reported **610** new measles cases in Indonesia, the Philippines, and Thailand since the previous report. The region reported **8,920** total cases and **22** total deaths in 2023 with **0.25%** CFR.



## Rabies Cases in the ASEAN Region

From January 1 to October 21, 2023 (Epi-Week 42)



### Rabies cases in the ASEAN region

Country	Epi-Week Reported	Cumulative Reported Rabies Cases	Laboratory-Confirmed Rabies Cases	Rabies-Related Deaths
<b>Brunei Darussalam</b>	-	-	-	-
<b>Cambodia</b>	-	-	-	-
<b>Indonesia<sup>1</sup></b>	Week 41	318	21	48
<b>Lao PDR</b>	-	-	-	-
<b>Malaysia<sup>1</sup></b>	Week 38	21	9	19
<b>Myanmar</b>	-	-	-	-
<b>Philippines<sup>2</sup></b>	Week 39	299	299	299
<b>Singapore</b>	-	-	-	-
<b>Thailand<sup>3</sup></b>	Week 41	4	4	4
<b>Vietnam<sup>1</sup></b>	Week 39	64	33	64
<b>Total</b>		<b>706</b>	<b>366</b>	<b>434</b>

1. BlueDot Developer Portal, accessed October 23, 2023, <https://developer-portal.bluedot.global/>.  
 2. Department of Health Website, accessed October 23, 2023 "Statistics," <https://doh.gov.ph/statistics>.  
 3. Bureau of Epidemiology, Department of Disease Control, Ministry of Public Health Thailand, accessed October 23, 2023, <http://doe.moph.go.th/surdata/index.php>

- The ASEAN region reported **706** rabies cases, **366** confirmed rabies cases, and **434** rabies-related deaths.



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